# NC DIVISION OF MARINE FISHERIES COMPUTERIZED BIOLOGICAL MONITORING DATABASE: SYSTEM DESCRIPTION AND USER'S MANUAL

CEIP REPORT NO. 22 1984

SH
222
.N8
E6
1984

CEIP REPORT NO. 22

SH222.N8 E6 1984

# THE NORTH CAROLINA DIVISION OF MARINE FISHERIES COMPUTERIZED BIOLOGICAL MONITORING DATABASE: SYSTEM DESCRIPTION AND USER'S MANUAL

BY

Sheryan P. Epperly
North Carolina Department of Natural Resources
and Community Development
Division of Marine Fisheries
Morehead City, N.C. 28557

The preparation of this report was financed through a Coastal Energy Impact Program grant provided by the North Carolina Coastal Management Program, through funds provided by the Coastal Zone Management Act of 1972, as amended, which is administered by the Office of Coastal Zone Management, National Oceanic and Atmospheric Administration. This CEIP grant was part of NOAA grant NA-79-AA-D-CZ097.

This manual is printed in loose-leaf format to accommodate updates. If you wish to receive these updates please complete the form below and mail to:

NC Division of Marine Fisheries
License and Data Management Section
P. O. Box 769
Morehead City, NC 28557

---

I would like to receive updates to the System Description and User's Manual of The North Carolina Division of Marine Fisheries Computerized Biological Monitoring Database.

NAME _____

ADDRESS _____

_____

CITY _____

STATE _____ ZIP CODE _____

PHONE _____

ACKNOWLEDGEMENTS

I would like to acknowledge the following people for their roles in creating a computerized Marine Fisheries database: Elaine Barber, Lisa Boddie, Nancy Brown, Dan Clark, Louise Davis, Bruce Garner, Larry Leis, Diane Nichols, Jim Smith, Michael Street and Katy West. Fisheries Management Section personnel were responsible for the collection of the data. Margaret Stafford and Sharon Sanchez typed the manuscript.

Trade names cited herein do not imply endorsement by the North Carolina Department of Natural Resources and Community Development, Division of Marine Fisheries.

TABLE OF CONTENTS


| | Page |
|---|---|
| ACKNOWLEDGEMENTS | i |
| INTRODUCTION | 1 |
| FILE STRUCTURE | 1 |
| DATA ENTRY | 3 |
| UPDATING THE MASTER FILE | 4 |
| Transaction Pre-edits | 5 |
| Transaction Edits | 6 |
| File Structure Edits | 7 |
| AUDIT TRAILS | 9 |
| DISASTER RECOVERY | 9 |
| REFERENCES | 10 |

APPENDICES

Appendix A "A Description of Instructions and Procedures for the Preparation of Forms for the Division of Marine Fisheries Data System"

Appendix B-1 COMM-STOR III configuration parameters used for data entry

B-2 Layout files and attribute information for BIOFORM 00-08

B-3 Directory for data entry diskette

B-4 Allowable entry and substitution files

Appendix C-1 Outputs from the update program

C-2 a. Layout of environmental pre-load table
b. JCL to compile a revised environmental pre-load

C-3 Allowable entries for gear in each program

C-4 COBOL update program and JCL to execute it

# THE DIVISION OF MARINE FISHERIES

# COMPUTERIZED BIOLOGICAL MONITORING

# DATABASE

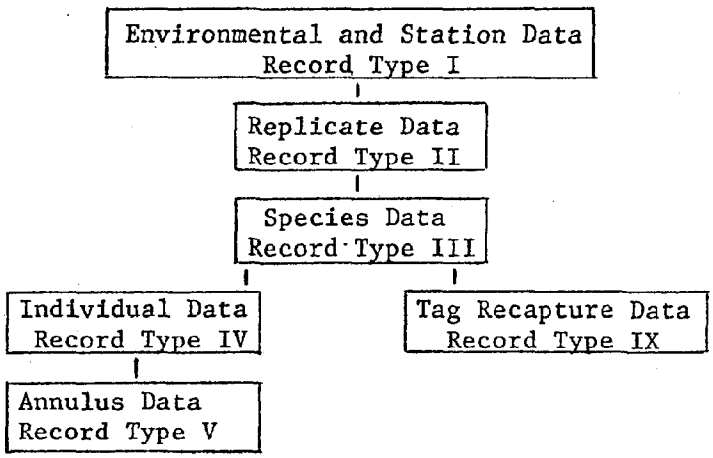
## INTRODUCTION

The North Carolina Division of Marine Fisheries (DMF) began computerizing its biological monitoring data in spring 1981. Through the Management Information Services Division (MISD) of the North Carolina Department of Administration, file structure and edit/update procedures were developed. Forms were created on which all DMF data could be coded/transcribed, and a manual was written to describe the proper procedures in coding these forms. The manual, entitled "A Description of Instructions and Procedures for the Preparation of Forms for the Division of Marine Fisheries Data System", should be used as a reference when reading this report; it is included as Appendix A. Revisions will be made as they are needed at all stages of the computerization process, from coding to updating and editing. This report details the biological monitoring computerized database for the DMF.

Prior to the initiation of the computerized fisheries database in 1981, isolated DMF data had been digitized. Data from the station logs of the vessel R/V DAN MOORE and biological samples taken from the commercial anadromous fisheries prior to 1979 had been computerized. In 1982 these files were duplicated and the tapes archived. Neither database is being maintained, but both databases will be reentered into the Division's overall biological monitoring database. Statistical data on the landings of North Carolina's commercial fisheries are being digitized through a cooperative state and federal agreement. These data constitute a separate database which is not addressed in this report.

## FILE STRUCTURE

The basic file structure is hierarchial and composed of six record types:



Control information is the combination of fields that is unique to a collection and the records contained in that collection. It is these fields that enables several records from a collection to be linked. Information contained on a given record type applies to all following records in the hierarchy (if the records have the same control information). Control fields for the database record take the form shown below. Data always begin in position 25.

Format and Position of Control Information Fields in the Database

| Control information field | Number of bytes | Position relative to the first |
|---|---|---|
| RECORD TYPE | 1 | 1 |
| SEQUENCE NUMBER | 7 | 2-8 |
| REPLICATE NUMBER | 2 | 9-10 |
| SPECIES CODE | 10 | 11-12 |
| SPECIES STATUS | 1 | 21 |
| LINE NUMBER | 21 | 22-24 |

The first record type, The Environmental and Station Record, contains the overall collection data such as location, environmental parameters and collection effort information. Each record type I is given a SEQUENCE NUMBER which is prefixed by the last two digits of the collection year (e.g. 8200001). This constitutes the second field of the control information and appears in the same position on each record type associated with that collection. The first field of the control information identifies the RECORD TYPE.

The second record type contains replicate information. This record identifies the size of the collection and sample. More than one replicate (record type II) may be associated with an Environmental and Station Record. Within a collection, Replicate Records are numbered from 01 and increased sequentially by one. Replicate 00 is reserved for special uses, such as observed occurrences of species not indicated in the sample. These REPLICATE NUMBERS are the third field of the control information. All record types II-V, and IX have a replicate identification.

Species Records, record type IIIs, contain information on a given species, or size class of a species collected in a replicate sample. The total number and weight collected, sampled and subsampled are indicated. A phylogenetic ten digit SPECIES code developed by the National Oceanographic Data Center (1981) and a one digit code indicating the SPECIES STATUS (size class) constitute the fourth and

fifth fields of the control information. All record types III-V, and IX give a SPECIES and SPECIES STATUS identification.

Individual and Annulus Records, record types IV and V, give information on an individual(s) of a species. Individual Records give information on size, age, reproductive stage, etc. of an individual member of a species. Each record type IV is given a number; these LINE NUMBERS are the last field of the control information. If an individual is aged and distance to annulus measurements are taken, Annulus Records, record type Vs, contain these measurements. The control field LINE NUMBER, which also appears on the record type V, is used to link the two records for the same individual, i.e. they have the same LINE NUMBER.

Tag Recapture Records, record type IXs, contain data for every tagged individual that has been recaptured. Such data are RECAPTURE DATE, LOCATION, GEAR, etc. Each Tag Recapture Record is stored with the collection in which the tagged individual was released. Each record type IX of a collection is numbered sequentially. Where applicable, the Tag Recapture Record can be merged programatically with a record type IV or V using TAG NUMBER which is a key field stored on both records.

Using the control information, all records for a collection can be linked from the hierarchical file. Flat records (a single record that contains data from various levels of the hierarchy) can be created easily with EASYTRIEVE (1980) or SAS (1982).[1] The control information forms the basic structural key for the entire master file. Actions on that master file use the control information for the identification of a record. The first field of each keyentered record, a transaction, is the ACTION FIELD. By inserting the proper code (A-add, C-change, D-delete), the master file can be manipulated. ACTION FIELD is not retained in the record once it is stored on the master file.

## DATA ENTRY

Keyentry of the Division of Marine Fisheries biological monitoring data utilizes a dual-drive Sykes Datatronics Comm-Stor III flexible diskette unit and an OMRON 8025A cathode ray tube (CRT). The diskette unit uses an eight inch single side, single density, soft sector diskette. Parameters within the Comm-Stor must be set to ensure compatibility of the two units and to define data entry specifications. These parameters are listed in Appendix B-1.

Form pages are created through the Comm-Stor's forms generation process. The layout file, a "picture" of the page as it is to appear on the CRT during data entry, is created and later incorporated into the form during the generation process; editing attributes are assigned to each field on a page during the generation process. The form created for entry of the biological monitoring data (BIOFORM) consists of eight pages. The vaiable fields on BIOFORM pages 01-05 and 08 correspond to

---

[1] EASYTRIEVE and SAS are user oriented computer software systems frequently used for data summary and analysis.

the fields on record types I-V and IX as described in the DMF forms preparation manual (Appendix A). BIOFORM pages 06 and 07 are abbreviated versions of record type IVs; these pages enable entry of multiple record type IVx on one form page.

Menus appear at the bottom of each page allowing the operator to select the next page. Linkage and dynamic storage information for the form pages are contained in the non-viewable page BIOFORM 00 which is created automatically in the form generation process. Layouts and attribute information for BIOFORM pages 00-08, the directory for the data entry diskette, and the allowable entry and substitution files are contained in Appendices B-2 through B-4.

Each biological collection is stored as a unique file on the diskette. Each record or transaction in this file is 128 characters in length. On each diskette the files are numbered from zero to eighteen and prefixed by the file name "NER.NM.NM100-". Every collection entered is logged into a data entry ledger. The file name, diskette number and comments are also recorded. The Sykes IBM 3740 Format Program is used to read the ASCII characters stored on the data entry diskette, translate them to EBCDIC characters and store the EBCDIC data on a second diskette.[2] The EBCDIC diskettes are sent to the State Computer Center in Raleigh to update the master file.

## UPDATING THE MASTER FILE

Five generations of the master file are stored in the tape library at the State Computer Center (SCC) in Raleigh. The most recent generation is catalogued under the name "NER.NM.NM100-1".

Transaction diskettes are submitted weekly to the SCC where they are read on an IBM 3740; the data are stored on a temporary tape. The job control language (JCL)[3] stored under the Time Sharing (TSO)[4] member "NM100UPD" accesses the most recent master file generation and the temporary transaction data tape and then executes the COBOL[5] update program.

---

[2] ASCII and EBCDIC are standardized binary codes for representing upper and lower case letters, numbers, symbols, punctuation marks, etc. Standardized by the industry, ASCII is the code used by many computers and terminals, including Comm-Stor III. The State Computer Center, however, has a mainframe IBM computer which uses the EBCDIC code.

[3] Job control language (JCL) is used by the computer controller to interpret instructions and generate commands to other parts of the computer.

[4] TSO is a time sharing system that lets you use the facilities of a computer at a terminal. In the context of this report a TSO member is a data file in a partitioned data set that is accessed through TSO.

[5] COBOL is a programming language designed specifically for business and data processing applications.

The COBOL update program reads each transaction, pre-edits the transaction file and then sorts it. The program performs the appropriate action (add, change or delete) on the master file and reformats the record to a length of 150 characters. The date of processing is added to each record and stored in position 143-150. It has the format of YY/MM/DD. Validity and structural checks are then made. The master file is sorted according to the control information. After the update program is executed the previous master file is uncatalogued and the recently created file is then catalogued.

Output from the update process has the following four parts (illustrated in Appendix C-1):

1. A list of the action taken on each transaction record read in the update process, giving the control information and the first 45 characters of the data.

2. A list of all edit error warnings.

3. A list of all structural errors in the master file.

4. A printout of every transaction record submitted.

Several edits occur during the update process. Following is a description of the edits.

Transaction Pre-edits

1. Record types VI and VII (entered on BIOFORM-06 and BIOFORM-07 data entry screens) allow for multiple entries of record type IVs on one data entry screen. A pre-edit routine creates separate record type IVs for each entry made on BIOFORM 06 and 07 screens.

2. Leading spaces in the following fields are zero filled: NUMBER OF RECORD TYPE III'S, COLLECTION NO., COLLECTION WT., SAMPLE NO., SAMPLE WT., SUBSAMPLE NO., SUBSAMPLE WT., FREQUENCY, LENGTH, AGE, NO. OF SPAWNING MARKS, DISTANCE TO EDGE, and DISTANCE TO ANNULUS MEASUREMENTS. If GEAR does not have an exact length of three digits, the field is replaced with three zeros.

3. A transaction record key consisting of PROGRAM TYPE, STARTING LOCATION and STATION NUMBER is checked against a pre-edit table. The table stored in a TSO member "NMENVTAB" is maintained in key sequence order and contains substitution information for DURATION OR AREA, GEAR, GEAR PARM #1, GEAR PARM #2, GEAR PARM #3, RIG, TYPE OF TOW, SEDIMENT SIZE, BOTTOM COMPOSITION, BOTTOM PROFILE, DEPTH, and ALTERATION STATE. During the pre-edit process, table values are inserted into blank fields of record type I. If a value exists in the field on the transaction record, that value takes precedence. Only data from collections made since 1982 are processed against this table. As the table is revised, the update program is compiled to incorporate the revised table. The layout of the table is given in Appendix B-2.

Transaction Edits (Validity Checks)

1. The first two digits of SEQUENCE NUMBER must be the same as YEAR.

2. The MONTH and DAY subfields of DATE are edited:

   $01 \leq MONTH \leq 12$ and $01 \leq DAY \leq 31$

3. For programs 700-799, GRID subfields should be digit-digit-alpha-alpha.

4. a) For Programs 700-799
   $2500000000 \leq$ STARTING LOCATION $\leq 4000000000$
   b) For Programs 000-699 and Programs 800-999
   $0000000000 <$ STARTING LOCATION $< 2300000000$
   or $5000000000 \leq$ STARTING LOCATION $\leq 7500000000$

5. STATION is checked to determine if it is an allowable entry for the value of STARTING LOCATION if PROGRAM is not 400-499, 700-799, 920 or 930. Appendix B of the DMF forms preparation manual and TSO member "MFSITES" contain allowable entries.

6. GEAR is checked to determine if it is an allowable entry for the value of PROGRAM. These allowable entries are given in Appendix C-3. GEAR is zero filled if it is blank or not numeric on the transaction record.

7. If GEAR = 000 then DURATION OR AREA must be blank.

8. If NUMBER OF REPLICATES = 00 then GEAR must = 000.

9. SAMPLE SIZE must not exceed COLLECTION SIZE. (999999 indicates a missing value).

10. SPECIES is checked to determine it it is an allowable entry. The abridged Appendix G of the DMF forms preparation manual and TSO member "MFSPP" contain allowable entries.

11. a) COLLECTION NO. $\geq$ SAMPLE NO. $\geq$ SUBSAMPLE NO. (99999 indicates a missing value.)
    b) COLLECTION WT. $\geq$ SAMPLE WT. $\geq$ SUBSAMPLE WT. (999999 indicates a missing value.)

12. If FORM OF RECORD TYPE IV equals:

    0 or 5 There should be no corresponding record type IVs.
    1 or 2 The only data fields completed on the corresponding record type IVs should be FREQUENCY and LENGTH.
    3 The value of LENGTH on the record type IV with LINE NUMBER = 001 should be less than the value of LENGTH on the record Type IV with LINE NUMBER = 002. The FREQUENCY of each LENGTH should equal one.

4 or 7 Data besides FREQUENCY and LENGTH should be recorded on at least one corresponding record type IV.
5 Replicate must be 00.

13. LENGTH will be checked against a table containing a range of allowable lengths for each SPECIES. This table will be given in Appendix C-5.

14. TAG TYPE (X) and TAG NUMBER (X) must either both be blank or both be coded. When both are coded TAG TYPE must be an alpha character and NUMBER TAGGED must be digits.

15. The sum of NUMBER TAGGED (1) and NUMBER TAGGED (2) should be less than or equal to SAMPLE NUMBER.

16. The combination of the first two positions of TAG NUMBER must be nonnumeric. The remaining four bytes must be digits. The field must have an exact length of 6 bytes if coded.

17. If TAG NUMBER is coded on a record type IV, $1 \leq \text{STATUS} \leq 3$.

18. If AGE STATUS equals zero or is blank, then AGED STRUCTURE, AGE and NUMBER OF SPAWNING MARKS must be blank.

19. If AGED STRUCTURE is blank, then AGE STATUS must equal zero or be blank and AGE and NUMBER OF SPAWNING MARKS must be blank.

20. If AGE or NUMBER OF SPAWNING MARKS is not blank, then AGE STATUS and AGED STRUCTURE must be greater than zero.

21. If AGE STATUS EQUALS:

1 Age must be recorded.
2 AGE must be recorded and a record type V must exist for that control datum.
3 AGE and NUMBER OF SPAWNING MARKS must be blank and AGED STRUCTURE must be coded.

22. AGE stored on record type V for an individual must be the same value as stored in AGE on the corresponding record type IV.

23. SPAWNING MARKS stored on record type V for an individual must be the same value as stored in SPAWNING MARKS on the corresponding record type IV.

24. If a record type V is present, AGE STATUS must equal two on the corresponding record type IV.

25. The number of DISTANCE TO ANNULUS measurements should not exceed the value of AGE.

26. If i is the number of distance to annulus measurements given, then

    a) DISTANCE TO EDGE should equal MARGINAL INCREMENT plus DISTANCE TO ith ANNULUS. If not coded, MARGINAL INCREMENT is calculated and written to the file.
    b) DISTANCE TO EDGE>DISTANCE TO ith ANNULUS>DISTANCE TO i-1 ANNULUS>DISTANCE TO i-2 ANNULUS. . .>DISTANCE TO FIRST ANNULUS.

27. RECAPTURE DATE if coded, must be later than DATE, have an exact length of 6 digits and be in the format of YYMMDD. The YEAR, MONTH and DAY subfields of RECAPTURE DATE, are edited:

$$70 \leq YEAR \leq 85,\ 01 \leq MONTH \leq 12 \text{ and } 01 \leq DAY \leq 31.$$

28. If coded, DAYS OUT must be the number of days elasped between DATE and RECAPTURE DATE. DAYS OUT must be blank if RECAPTURE DATE is not a valid entry in the format of YYMMDD.

29. Within a collection, TAG NUMBER may not be repeated across LINE NUMBERS.

File Structure Edits

1. The control information of a transaction record is checked against those records on the master file. If a record exists on the master file with the same control information and ACTION FIELD of the transaction is 'change', then the transaction record is substituted for the master file record. A transaction record is added to the master file only if another record with the same unique control information is not already stored. Similarly, a record is deleted from the master file only if the control information of an appropriately coded transaction record matches exactly the control information of a record on the master file.

2. The actual number of record type IIs for unique control information should be the same as the value for NO. OF REPLICATES.

3. The actual number of record type IIIs for unique control information should be the same as the value for NO. OF RECORD TYPE IIIs.

4. The actual number of record type IVs for unique control information is determined on the basis of FORM OF RECORD TYPE IV. If FORM OF RECORD TYPE IV equals:

    0 or 5 There should be no corresponding record type IV or V.

    1,2,3,4 or 7 The sum of values for FREQUENCY on the record type IVs should equal SUBSAMPLE NO. on the corresponding record type III. If FORM OF RECORD TYPE IV equals 3 then there must be only two record type IVs with the LINE NUMBERS OF 001 and 002, each with a FREQUENCY=1.

5. LINE NUMBER must be sequential for record types IV and IX with no missing intermediate numbers.

6. If the value of AGE STATUS is equal to two, a corresponding record type V should occur.

7. Within a collection, the number of record type IXs of a given TAG TYPE must be less than or equal to the NUMBER TAGGED indicated for that TAG TYPE on the record type III.

The COBOL update program and the JCL to run it are given in Appendix C-5.

## AUDIT TRAILS

Errors may occur in the control information fields, data fields or in the structure of the file. Errors in the control information fields can be corrected only by deleting each of the erroneous records and adding the correct records to the file. Errors in the data fields may be found through validity checks in the update process or through subsequent structural errors caused by the incorrect information. Entering the record correctly and indicating "change" in the action field corrects these errors.

Update reports are examined for errors. The reports are first checked to ensure that every collection logged into the data entry ledger was acted upon. The printouts are then examined for edit error warnings and indications of file structure errors. Each error is registered, the data sheets are examined and a list of corrections is made. The fourth report, a listing of every transaction submitted, is examined to ensure that the Latin names on the printout match the species names on the data sheets. The report is examined, also, by the individuals responsible for the data collection. Corrections are recorded on the printout and submitted for keyentry. Corrections are keyentered and submitted with other diskettes.

## DISASTER RECOVERY

The third generation of the master file is placed in the fireproof vault at the State Computer Center. Diskettes containing the data needed to update the third generation to the catalogued NER.NM.NM100-1 (the most recent generation) are held in the Morehead City office. Should generations one and two be damaged, the diskettes necessary for complete updating of the third generation are available. When normal updating of the master file occurs, those diskettes that are no longer needed as backups are recycled through the data entry process. Copies of the diskettes containing the data entry form information and Comm-Stor III configuration parameters are stored in a fire proof filing cabinet in the Division of Marine Fisheries warehouse building.

## REFERENCES

1980. EASYTRIEVE Reference Manual. Version 8.2. Pansophic Systems, Inc., Oak Brook, Illinois.

1982. SAS User's Guide: Basics, 1982 Edition. SAS Institute, Inc., Cary, N.C.

National Oceanographic Data Center. 1981. NODC Taxonomic Code. Third Edition. National Oceanic and Atmospheric Administration, Washington, D.C.

# A DESCRIPTION OF INSTRUCTIONS AND PROCEDURES FOR THE PREPARATION OF FORMS FOR THE DIVISION OF MARINE FISHERIES DATA SYSTEM

Sheryan Epperly

March 1984

TABLE OF CONTENTS


| | |
|---|---|
| Introduction | 1 |
| Environmental and Station Data | 2 |
| Replicate Data | 6 |
| Species Data | 8 |
| Individual Data | 11 |
| Annulus Data | 14 |
| Tag Recapture Data | 16 |

Appendices:

A. Program Codes

B. Location Codes

C. Gear Codes

D. Bottom Type Codes

E. Water Level or Sea State Codes

F. Alteration and Fishing Activity Codes

G. Species Codes

J. Tag Codes

# INTRODUCTION

The contents of this manual outline the procedures to code all Division data into a common format. We have attempted to make the format as general as possible and accommodate all projects. Each program should develop a documentation. Some fields are critical and their completion is mandatory; these are denoted by dark blocks. All fields should be right justified except where noted. Only those fields blocked off will be entered into the computer. The free form fields are provided to record information but this data will not be stored.

RECORD TYPE I: ENVIRONMENTAL AND STATION DATA

This form is used by all projects to record environmental data, station location and collection effort data. Code the form as follows:

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 3-9 | Sequence Number | This number will be coded by keyentry personnel. Each collection will be assigned a number to aid in file maintenance. THIS FIELD WILL ALWAYS BE CODED. |
| 26-28 | Program | Each type of study has a different program. See Appendix A. THIS FIELD MUST BE CODED. |
| 29-34 | Date (YYMMDD) | Record the two-digit numerical code for year, month and day. THIS FIELD MUST BE CODED. |
| 35-39 | Station Number | This field can be used by all programs which regularly survey the same location or sequentially order collections. For example, this could be a DAN MOORE station number, a shellfish plant number, a fish house number, a juvenile program station number, etc. The use or non-use of this field must be consistent with each program. |
| 40-49 | Starting Location | Programs not utilizing global coordinates will record locations according to a nested area-subareas design. See Appendix B. Primary codes are recorded in the first two spaces of the starting location field, secondary codes in the next two, tertiary codes in the next two, etc. Some programs will record latitude and longitude for their station positions. THIS FIELD MUST BE CODED. |
| 50-53 | Grid | Only those programs using their own grid, strata, or zone system need code this field. |
| 54 | Quadrant | This is a field to be used if the above grids are further divided. For the Dan Moore programs:<br>NW 1 2 NE<br>SW 4 3 SE |

RECORD TYPE I: ENVIRONMENTAL AND STATE DATA (continued)

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 55-58 | Time | Record the time of day (on a 24-hour clock) when the gear completed sampling. Follow standard (sun) time. |
| 59-62 | Duration or Area Sampled | Period of time, in minutes, over which the gear sampled. Lines are provided to calculate this amount from the beginning and ending time. This field may be used, instead, to record the area sampled when time is not applicable. However, the use of this field must be consistent within each program. |
| 63-65 | Gear | Each unique gear has a code. See Appendix C. THIS FIELD MUST BE CODED. Record unknown gear as 999. When no gear is used code it as "000". |
| 66-69 | Gear Parameter #1 | Gear parameters are used to describe the designated gear type. Examples are headrope length, body mesh size and tailbag mesh size. Appendix C lists the order in which these parameters are to be coded for each gear type. A decimal, if needed must be coded into one of the columns. Gears which cannot be described in three parameters must have a unique gear code. |
| 70-73 | Gear Parameter #2 | |
| 74-77 | Gear Parameter #3 | |
| 78 | Rig | Gear:<br>1. singlerigged<br>2. doublerigged, two barrel<br>3. doublerigged, four barrel<br>4.<br>5. pushed<br>6. detached fishing gear, set<br>7. detached fishing gear, drift<br>8. weighted<br>9. towed between two boats |
| 79 | Type of Tow | 1. surface<br>2. midwater<br>3. bottom<br>4. oblique |

RECORD TYPE I: ENVIRONMENTAL AND STATION DATA (continued)

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 80 | Size Composition of Sediment | Bottom types can be recorded according to Appendix D. |
| 81 | General Bottom Composition | |
| 82 | Bottom Profile | Few programs record information regarding bottom profile, but others are contemplating collection of such data. Codes are:<br>1. level regular<br>2. sloping regular<br>3. level moderately irregular<br>4. sloping moderately irregular<br>5. level highly irregular<br>6. sloping highly irregular<br><br>"Sloping" denotes 10% change in depth over station. |
| 83-85 | Depth | Record average depth of water in meters. If needed, a decimal is coded in one of the columns. |
| 86-88 | Air Temperature ($^{o}$C) | |
| 89-91 | Surface Temperature ($^{o}$C) | |
| 92-94 | Bottom Temperature ($^{o}$C) | |
| 95-97 | Surface Salinity ($^{o}$/oo) | |
| 98-100 | Bottom Salinity ($^{o}$/oo) | |
| 101-104 | Variable Field #1 | Conductivity, for example |
| 105-107 | Surface Dissolved Oxygen (ppm) | |
| 108-110 | Bottom Dissolved Oxygen (ppm) | |
| 111-112 | pH | |
| 113 | Weather Element | Record percent cloud cover to nearest 25% as follows or record weather condition if cover is 100%.<br><br>1. clear skies<br>2. one-quarter cover (25%)<br>3. one-half cover (50%) |

RECORD TYPE I: ENVIRONMENTAL AND STATION DATA (continued)

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| | | 4. three-quarter cover (75%)<br>5. one hundred percent cover<br>6. haze<br>7. fog<br>8. precipitation<br>9. snow |
| 114-117 | Variable Field #2 | Barometer, for example |
| 118 | Wind Direction | Record the direction FROM which the wind is blowing.<br>N=1<br>8=NW NE=2<br>7=W E=3<br>6=SW SE=4<br>S=5 |
| 119-120 | Wind Speed (knots) | |
| 121 | Current Direction | Record the direction TO which the current is flowing according to the codes given under WIND DIRECTION. |
| 122-123 | Current Speed (knots) | |
| 124 | Water Level | This is more applicable in areas of tidal influence but may be applicable to nearly all programs. This field can also be used to record sea state. See Appendix E. |
| 125 | State of Alteration | Record the alteration state of the sampling site. See Appendix F. |
| 126 | Allowed Fishing Activity | See Appendix F. |
| 127-128 | Number of Replicates | This should correspond to the number of TYPE II records to follow. THIS FIELD MUST BE CODED. |

RECORD TYPE II: REPLICATE DATA

Type II records are replicate data. Usually, each effort or unit sample will have one TYPE II record. Unless the sampling is species specific, the variables on this record are to include all species. Information taken on species outside the collection or sample unit are to be recorded under Replicate Number = 00; that replicate is to be included in the count of replicates which is recorded on Record Type I under NUMBER OF REPLICATES. ALL FIELDS ON THIS RECORD TYPE MUST BE COMPLETED. If any fields are unknown or not applicable, code the field with "9's" (a right adjusted "." can serve as a shorthand symbol indicating a field to be filled with "9's"). All weights are in metric units (kg). One pound = 0.454 kilogram.

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 10-11 | Replicate Number | A replicate is: 1) a collection effort or a group of collection efforts depending on whether the data for the individual efforts are pooled. If the data are not pooled, each effort is given a unique replicate number. For example, a trawl is a collection effort. or 2) a unit sample of a collection effort or a group of collection efforts. For example, a fish box or fish basket sample of a collection is a unit sample. Each unit sample is given a unique replicate number. |
| 26-30 | Collection Size | Record the size of the collection. This is the total amount for all in the collection effort. For example, the size of a catch would be recorded here. If there is no catch, record this field as zero. The sum of Collection Number or Collection Weight, whichever is applicable, across all Type III records associated with the replicate should equal the value coded in Collection Size. Program 610 can use this field to record the size of the piece of cultch. Program 615 can use this field to record the total number of kilos taken. |

RECORD TYPE II: REPLICATE DATA (continued)

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 31-35 | Sample Size | Record the size taken for sampling from this replicate. The units must be the same as for COLLECTION SIZE; often this will be the same as COLLECTION SIZE. For example, the size of a fish basket or box sample of catch would be recorded here. The sum of Sample Number or Sample Weight, whichever is applicable, across all Type III records associated with the replicate should equal the value coded in Sample Size. If there is no catch, record zero. Program 615 can use this field to record the number of kilos with live or recently dead spat. |
| 36-37 | Number of Type III Records | This is the total number of Type III records associated with the given replicate. |
| 38 | Quality | Quality is important when analyzing data. Occasionally, problems may be incurred at a station limiting the use of the data taken. Record this field as follows:<br><br>0 good sample<br>1 problems incurred but can be used quantitatively<br>2 problems incurred but can be used qualitatively<br>3 species list incomplete but existing data can be used quantitatively<br>4 species list incomplete but existing data can be used qualitatively<br>6 species have been processed<br><br>This field left blank will be interpreted to mean a good sample ('0'). |
| 39-128 | Fill | |

RECORD TYPE III: SPECIES DATA

All fields except tagging related fields MUST BE RECORDED; otherwise fill field with "9's" (or "."). For qualitative estimates of abundances use:

| | |
|---|---|
| 99995 | for tens of individuals |
| 99996 | for hundreds of individuals |
| 99997 | for thousands of individuals |
| 99999 | for an unknown number of individuals |

These numbers should be entered in the fields Collection Number, Sample Number and Subsample Number when applicable. Record all weights in metric units (kg). One pound = 0.454 kilogram.

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 10-11 | Replicate | This corresponds to the repliate number of columns 10-11 for the record type II. For species observed but not sampled record replicate as zero. |
| 12-21 | Species | This is a hierarchal code for the species. The general basis for this code is:<br>/ / / / / /<br><br>Class<br>Order<br>Family<br>Genus<br>Species<br><br>For example, flounders of the genus Paralichthys would be recorded as 8857030300. However, if a species is positively indentified as P. albigutta it would be recorded as 8857030302. If only the family could be determined, it would be recorded as 8857030000. |
| 22 | Species Status | Occassionally a species must be entered on a Record Type III more than once for a given replicate. If all data for a species is pooled, use Status = 0 (0 will be substituted for a blank in this position). If data are separated by size classes, assign each size class ascending values of status beginning with 1 for the smallest size class. For a given Sequence Number, the assignment of |

RECORD TYPE III: SPECIES DATA (continued)

| | | |
|---|---|---|
| | | species stutus, by size, must be consistent. For example, fish graded as jumbo must have the same Species Status regardless of which replicate (fish box) it may have occurred. Program 615 will record live spat as 1 and recently dead spat as 2, whenever dead spat are noted. |
| 26-30 | Collection Number | Record total number of individuals of the species in the replicate collection. The value must be a whole number. |
| 31-36 | Collection Weight | Record the total weight (kg) of the species in the replicate collection. |
| 37-41 | Sample Number | This is the total number of the given species in the replicate sample (not replicate collection unless they are the same). If the entire collection is sampled, this is the same as Collection Number. For spatfull evaluations, this is the sum of live and recently dead spat. The value must be a whole number. |
| 42-47 | Sample Weight | This is the total weight (kg) of the given species in the replicate sample (not replicate collection unless they are the same). |
| 48-52 | Subsample Number | This is the total number of the given species in a subsample of the species if one is taken. If no subsample is taken this is the same as Sample Number. If a range of lengths is to be given, this value is 2. For spatfull evaluations, this is the number of live spat. The value must be a whole number. |
| 53-58 | Subsample Weight | If no subsample is taken, this is the same as Sample Weight. |
| 59 | Form of Record Type IV | This field is to indicate the format of the following data. This field would be recorded as follows:<br><br>0 No data taken on individuals |

RECORD TYPE III: SPECIES DATA (continued)

| | | |
|---|---|---|
| | | 1 Modal length frequencies are recorded. Each length is preceeded by the frequency of that length. No other individual data are recorded.<br>2 Length frequencies are recorded. Each length is preceded by the frequency of that length. No other individual data are recorded.<br>3 Only minimum and maximum lengths are recorded.<br>4 Biological data besides actual the lengths are recorded. Frequency should equal one.<br>5 No data taken on individuals, but species observed spawning.<br>7 Biological data, besides modal lengths, are recorded. |
| NOTE: When a number does not precede a length, frequency will be inferred as 1. | | |
| 60 | Tag Type (1) | Record the code for a specific type of tag used on the number of individuals recorded in the next field. |
| 61-65 | Number Tagged (1) | Record the total number of individuals tagged with the type of tag as recorded in the previous field. |
| 66 | Tag Type (2) | Record the code for a specific type of tag used on the number of individuals recorded in the next field. |
| 67-71 | Number Tagged (2) | Record the total number of individuals tagged with the type of tag as recorded in the previous field. |
| 72-128 | Fill | |

RECORD TYPE IV: INDIVIDUAL DATA

Two separate forms though in part identical, are given for individual data. Their use depends on the data to be collected. One form is for length, sex and maturity data only. The other form is to be used when data besides those above variables are to be recorded for individuals. ALWAYS RECORD DATA AS FREQUENCIES OF UNIQUE DATA. For those species with only a range of lengths to be recorded, the minimum is recorded first, followed by the maximum length.

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 23-25 | Line Number | Record each Type IV record of the species sequentially, beginning with 001. |
| 26-28 | Frequency | Record the number of individuals for which the following data applies. |
| 29-32 | Length | Record the length (or egg diameter) of the individual. |
| 33 | Fill | |
| 34-38 | Weight | (kilograms) |
| 39 | Sex | (1) = male<br>(2) = female<br>(3) = undetermined<br><br>NOTE: Undetermined denotes that the individual was examined for that character but could not be classified; a blank field is interpreted as not examined. |
| 40 | Maturity | 1 immature<br>2 maturing<br>3 mature (ripe)<br>4 running ripe<br>5 spent<br>6 resting or inactive<br>7 sponge crab<br>8<br>9 undetermined |
| 41-44 | Parameter A | Gonad weight, for example. |
| 45-48 | Parameter B | Adductor muscle or gonad subsample weight, for example. |

RECORD TYPE IV: INDIVIDUAL DATA (continued)

| | | |
|---|---|---|
| 49-52 | Parameter C | Viscera weight or median ova diameter, for example. |
| 53-56 | Parameter D | Number of eggs, for example. |
| 57 | Egg or Larval Stage | Defined by the following:<br>1 unfertilized egg or egg prior to first mitotic division<br>2 fertilized egg-thru the 8 cell stage<br>3 8 cell stage through blastodisc<br>4 gastrula<br>5 blastopore closure<br>6 tail bud free of yolk<br>7 late embryo-just before shedding egg sac<br>8 yolk sac larvae<br>9 post yolk sac larvae<br>A shed egg sac<br>B undetermined egg<br>C undetermined larvae |
| 58 | Status | 1 tagged<br>2 tag recapture; returned to water<br>3 tag recapture; not returned to water<br>4 deformity<br>5 red line peeler crab<br>6 pink line peeler crab<br>7 white line peeler crab<br>8 soft shell crab<br>9 paper shell crab |
| 59-64 | Tag Number | |
| 65 | Age Status | 1 only number of marks recorded<br>2 length to annulus data recorded<br>3 ageing structure taken; not yet analyzed |
| 66 | Aged Structure | 1 scale<br>2 pectoral spine<br>3 otolith<br>4 shell<br>This field must be coded if Age Status 0. |
| 67-68 | Age | This field must be coded if Age Status = 1 or = 2. |

RECORD TYPE IV: INDIVIDUAL DATA (continued)

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 69-70 | Number of Spawning Marks | |
| 71-128 | Fill | |

RECORD TYPE V: ANNULUS DATA

This is to be used when distance to annuli measurements are taken.

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 23-25 | Line Number | This should correspond to the same line number as on Record Type IV for the same individual. |
| 26-27 | Age | |
| 28-30 | Distance to Edge | |
| 31-33 | Marginal Increment | |
| 34-36 | Distance to 1st Annulus | NOTE: Each scale shape or skeletal piece has a standard axis for measurement. These must remain consistent within each species. |
| 37-39 | Distance to 2nd Annulus | |
| 40-42 | Distance to 3rd Annulus | |
| 43-45 | Distance to 4th Annulus | |
| 46-48 | Distance to 5th Annulus | |
| 49-51 | Distance to 6th Annulus | |
| 52-54 | Distance to 7th Annulus | |
| 55-57 | Distance to 8th Annulus | |
| 58-60 | Distance to 9th Annulus | |
| 61-63 | Distance to 10th Annulus | |
| 64-66 | Distance to 11th Annulus | |
| 67-69 | Distance to 12th Annulus | |
| 70-72 | Distance to 13th Annulus | |
| 73-75 | Distance to 14th Annulus | |
| 76-78 | Distance to 15th Annulus | |
| 79-81 | Distance to 16th Annulus | |
| 82-84 | Distance to 17th Annulus | |
| 85-87 | Distance to 18th Annulus | |
| 88-90 | Distance to 19th Annulus | |

RECORD TYPE V: ANNULUS DATA (continued)

| | |
|---|---|
| 91-93 | Distance to 20th Annulus |
| 94-96 | Distance to 21st Annulus |
| 97-99 | Distance to 22nd Annulus |
| 100-102 | Distance to 23rd Annulus |
| 103-105 | Distance to 24th Annulus |
| 106-108 | Distance to 25th Annulus |
| 109-111 | Distance to 26th Annulus |
| 112-114 | Distance to 27th Annulus |
| 115-117 | Distance to 28th Annulus |
| 118-120 | Distance to 29th Annulus |
| 121-123 | Distance to 30th Annulus |
| 124-125 | Number of Spawning Marks |
| 126-128 | Fill |

RECORD TYPE IX: TAG RECAPTURE DATA

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| THE FOLLOWING FIELDS MUST BE RECORDED. | | |
| 3-9 | Sequence Number | This number corresponds to the Sequence Number of the collection in which the individual was tagged. |
| 10-11 | Replicate Number | This number corresponds to the Replicate Number of the collection in which the individual was tagged. |
| 12-21 | Species | Record the code for the species tagged and recaptured. |
| 22 | Species Status | Record the code for the Species Status as recorded when tagged. |
| 23-25 | Line Number | Record each Type IX record with the same unique control information, sequentially, beginning with 001. |
| 26-31 | Tag Number | Record the Tag Number of the tagged individuals. |
| 32 | Tag Type | See Appendix J. |
| The following fields are not mandatory, unless noted. | | |
| 33-38 | Recapture Date YYMMDD | If the recapture date is unknown, leave this field blank. If the year is known and the month and/or day is unknown, code the unknown subfields with zeros. |
| 39-48 | Recapture Location | Record the location of recapture either by the waterbody codes in Appendix B or by global coordinates, consistent with the program documentation. |
| 49-51 | Recapture Gear | See Appendix C. Record unknown recapture gears as '999'; and use '000' when no gear was used to record a tag. THIS FIELD MUST BE CODED. |
| 52-55 | Days Out | Record the number of days elapsed from the date of recapture. |

RECORD TYPE IX: TAG RECAPTURE DATA (continued)

| COLUMNS | FIELD TITLE | DESCRIPTION |
|---|---|---|
| 56-59 | Distance Travelled | The measure of the distance a tagged individual travelled before recapture will be program specific. For example, the measure may be a straight line distance or the most direct water route. The units within a program (miles, nautical miles, etc.) must be consistent. |
| 60-63 | Recapture Length | Record the length of the recaptured individual. |
| 64-68 | Recapture Weight | Record the weight of the recaptured individual. |
| 69 | Maturity | Record the maturity of the recaptured individual. |
| 70-128 | Fill | |

Space is provided to record the name and address of the returnee. This information will not be digitized as part of the record but may be digitized as part of a separate "in house" file.

# APPENDIX A: PROGRAM CODES

100's FISH SURVEYS

100 Juvenile anadromous study

105 Striped bass nursery area ecology study

110 Albemarle non-anadromous juvenile study

115 Non-anadromous spawning area survey

120 Nursery area - CZM - juvenile stock assessment

125 Vandemere Creek study

126 Orchard Creek study

130 Freshwater intrusion study

150 Anadromous adult spawning area sampling

160 Anadromous egg and larvae sampling

170 Division adult finfish sampling-collection and sample size measured by weight

175 Division eel pot sampling

180 Division adult finfish sampling-collection and sample size measured by number

300's FISH TAGGING STUDIES

300 Inshore anadromous tagging

320 Scrapfish tagging

330 Inshore flounder tagging

340 Albemarle Sound non-anadromous tagging (white and channel cat and white perch)

350 Croaker tagging

400's COMMERCIAL SAMPLES

400 Anadromous commercial harvest-culled samples

410 Anadromous commercial harvest-unculled samples

APPENDIX A (continued)

420 Striped bass (AFCS-14) commercial harvest-culled samples

421 Striped bass flight survey

422 Striped bass log books

430 Non-anadromous commercial harvest-culled samples

431 Sciaenid pound net fishery-culled samples

432 Flounder pound net fishery-culled samples

433 Winter trawl fishery-culled samples

434 Sink net fishery-culled samples

435 Beach seine fishery-culled samples

436 Crab trawl fishery-culled samples

437 Long haul fishery-culled samples

438 Offshore live bottom fishery-culled samples

440 Non-anadromous commercial harvest-unculled samples

441 Sciaenid pound net fishery-unculled samples

442 Flounder pound net fishery-unculled samples

443 Winter trawl fishery-unculled samples

444 Sink net fishery-unculled samples

445 Beach seine fishery-unculled samples

446 Crab trawl fishery-unculled samples

447 Long haul fishery-unculled samples

450 Scrapfish study

460 Shrimp

470 Commercial crab harvest samples

500's CRUSTACEAN STUDIES

510 Shrimp size frequency and CPUE samping

520 Shrimp tagging

APPENDIX A (continued)

530 Crab pot sampling

540 Crab trawl sampling

550 Crab tagging

600's MOLLUSC STUDIES

600 Culch planings (site selection)

610 Plant samples (spatfall evaluation) - Morehead City

615 Plant samples (spatfall evaluation) - Wrightsville Beach

618 Relay Evaluations

620 Seed clam study

630 Shellfish "CZM" survey

640 Clam kicking area studies

650 Clam escalator dredge area studies

660 Shellfish lease investigations

670 Special surveys (oysters)

680 Special surveys (clams)

690 Scallop surveys

700's DAN MOORE STUDIES

700 Anadromous fish survey

705 Flounder survey

710 Scallop survey

715 Rock shrimp survey

720 Exploratory fishing/general survey

725 Gear testing

730 Lobster survey

735 Squid project

APPENDIX A (continued)

740 Diving

745 B.C.F. Schoolfish survey

750 Clam survey

755 Demersal survey

760 Demonstration cruise

765 Industrial fish survey

770 Aqua 10 Sargassum survey

775 Net selectivity testing

900's MISCELLANEOUS

910 Fish kill samples

920 Gear testing

930 Miscellaneous ageing samples

000's NON-DMF PROGRAMS

050 Inland Fisheries stream surveys

051 Inland Fisheries Lake Phelps surveys

055 Peat Methanol Associates Pungo River biological data

060 U.S. Fish and Wildlife Service data

| WATER | CODE | STATIONS |
|---|---|---|
| 2500000000 - 4900000000 ARE RESERVED FOR GLOBAL COORDINATES | | |
| ATLANTIC OCEAN | 0000000000 | |
| CAPE CANAVERAL TO CAPE ROMAIN | 0002000000 | |
| NORTH OF BRUNSWICK, GA | 0002010000 | |
| SOUTH OF BRUNSWICK, GA | 0002020000 | |
| CAPE ROMAIN TO CAPE FEAR (LONG BAY) | 0003000000 | |
| FRYING PAN SHOALS | 0003010000 | |
| CAPE FEAR TO CAPE LOOKOUT (ONSLOW BAY) | 0004000000 | |
| NEARSHORE BOGUE BANKS | 0004010000 | |
| NEARSHORE SHACKLEFORD BANKS | 0004020000 | |
| BEAUFORT BAR | 0004030000 | |
| CAPE LOOKOUT SLOUGH | 0004040000 | |
| CAPE LOOKOUT JETTY VICINITY | 0004050000 | |
| CAPE LOOKOUT BIGHT | 0004060000 | CB29 CB30 |
| NEARSHORE | 0004070000 | |
| ATL. BEACH ARTIFICIAL REEF | 0004080000 | |
| CAPE LOOKOUT TO CAPE HATTERAS (RALEIGH BAY) | 0005000000 | |
| NEARSHORE CORE BANKS | 0005010000 | |
| OFF OCRACOKE BEACHES | 0005020000 | |
| OFF HATTERAS INLET CAPE HATTERAS BEACHES | 0005030000 | |
| DIAMOND SHOALS | 0005040000 | |
| CAPE HATTERAS TO CAPE HENRY/CAPE CHARLES | 0006000000 | |
| WIMBLE SHOALS | 0006010000 | |
| OREGON INLET | 0006020000 | |
| 'THE CIGAR' | 0006030000 | |
| RUSSIAN TRAWLER | 0006040000 | |
| CURRITUCK BEACH LIGHT (COROLLA - DUCK BCH) | 0006050000 | |
| KITTY HAWK TO OREGON INLET BEACHES & NSHR | 0006060000 | |
| OREGON INLET TO CAPE HATTERAS BCHS & NSHR | 0006070000 | |
| NEARSHORE PEA ISLAND | 0006080000 | |
| C. HENRY/C. CHARLES TO C. HENLOPEN/C. MAY | 0007000000 | |
| NORFOLK CANYON | 0007010000 | |
| WASHINGTON CANYON | 0007020000 | |
| BALTIMORE CANYON | 0007030000 | |
| C. HENLOPEN/C. MAY TO CAPE COD | 0008000000 | |
| CURRITUCK SOUND | 0100000000 | |
| AREAS WITHIN CURRITUCK SOUND PROPER | 0100000000 | |
| C.SO.BR.TO JEWISH QUARTER IS. | 0100010000 | 124 301-303 304S 305 311 312 1E 1MS 1W |
| C.SO.BR.TO JEWISH QUARTER IS. | 0100010000 | CS1 CS3-CS9 CS11 CS12 CS15 CS16S |
| JEWISH QUARTER IS. TO POPLAR BRANCH | 0100020000 | 306 308 2E 2ME 2MW 2W CS24-CS26 CS28 CS29 |
| POPLAR BR. TO PARKER CR. TO C.BEACH LT. | 0100030000 | 310S 311 312 CS18 CS35 CS38 CS39 |
| PARKER CR. TO BELL PT. TO SWAN IS. | 0100040000 | CS32 |
| BELL PT. TO SWAN IS. TO VA. LINE | 0100050000 | 316 CS41 CS47 |
| CURR.SND BR.-S. TO POWELLS PT./LONG PT. | 0100060000 | 111S 112S 123 AS4 CS60S |
| JENKINS COVE | 0100070000 | |
| JARVIS CHANNEL | 0100080000 | 307 |

| WATER | CODE | STATIONS |
|---|---|---|
| LONE OAK CHANNEL | 0100090000 | CS20 CS21 |
| JEAN GUITE CREEK | 0101000000 | 200 CS17 |
| HOG QUARTER CREEK | 0102000000 | |
| DOWDY BAY | 0103000000 | |
| BEASLEY BAY | 0104000000 | CS22 |
| WELLS CREEK | 0105000000 | |
| NELLS CREEK | 0106000000 | |
| SANDERS BAY | 0107000000 | |
| WHALE HEAD BAY | 0108000000 | 213 |
| SHIPS BAY | 0109000000 | |
| RACCOON BAY | 0110000000 | |
| KNOTTS ISLAND BAY | 0111000000 | 214 3E 3ME CS48 |
| BELLOWS BAY | 0112000000 | |
| COINJOCK BAY | 0113000000 | 3 315 CS30 |
| CEDAR ISLAND BAY | 0113010000 | |
| CEDAR BAY | 0113020000 | |
| NORTH LANDING RIVER | 0114000000 | 317S 318 319S 321-322 4E 4M 4W 3M 3W |
| NORTH LANDING RIVER | 0114000000 | CS43-CS46 CS53 CS54 CS56 CS58 |
| GIBBS CREEK | 0114010000 | |
| TULLS BAY | 0114020000 | 320 CS51 |
| TULLS CREEK | 0114020100 | 1 4 5 6 7 8 CS49 |
| NORTHWEST RIVER | 0114020200 | |
| SHINGLE LNDG CK. | 0114020201 | 2 |
| BACK BAY | 0115000000 | |
| WEBSTER CREEK | 0117000000 | |
| ALBEMARLE SOUND | 0200000000 | |
| AREAS WITHIN ALBEMARLE SOUND PROPER | 0200000000 | |
| EDENTON BAY TO US17 BR. | 0200010000 | 49 CR2 CR3 T3 |
| ROANOKE R. TO US17 BR. | 0200020000 | 1 2 3 139 S1 S2 S3 S6 S1P-S4P T1 T2 |
| EDENTON BAY TO RAILROAD BR. | 0200030000 | 153 S7 S8 T4 T8 |
| ROANOKE R. TO RAILROAD BR. | 0200040000 | 8 129 129S 140 152 AS19 AS20 AS24 |
| ROANOKE R. TO RAILROAD BR. | 0200040000 | S4 S5 S5P S6P S7P S8P T5 T6 T7 |
| RAILROAD BR. TO HWY. 32 NORTHSIDE | 0200050000 | 138 141 149 (OW)15 A2 AS11 U2 U4 |
| RAILROAD BR. TO HWY. 32 SOUTHSIDE | 0200060000 | 9 9 151 AS25 W1 W3 |
| HWY.32 TO DRUMMOND PT. | 0200070000 | 5 6 127S 136 137 143 AS12 E1 E3 A1 A3 A4 |
| HWY.32 TO LAUREL PT. | 0200080000 | 130S 142 150 AS27 AS29 E2 E4 |
| DRUMMOND PT. TO HARVEY PT. | 0200090000 | 126S E11 E12 AS14 |
| LAUREL PT. TO BULL BAY (EASTSIDE) | 0200100000 | (OW)3 AS28 |
| HARVEY PT. TO LITTLE R. | 0200110000 | 27S 135 A10 A11 AS16 |
| BULL BAY TO SHIP PT. (EASTSIDE) | 0200120000 | 144 144S AS33 |
| LITTLE R. TO WADE PT. | 0200130000 | 134 AS7 |
| SHIP PT. TO LONG SHOAL PT. | 0200140000 | 145 145S (OW)5 AS34 AS35 AS37 |
| WADE PT. TO CAMDEN PT. | 0200150000 | |
| LONG SHOAL PT. TO NED BEES PT. | 0200160000 | 131S (OW)4 (OW)25 AR6 AR7 |
| CAMDEN PT. TO PT. HARBER TO POWELLS PT. | 0200170000 | 125 125S 132 133 AS2 AS3 AS5 |
| NED BEES PT. TO CAROON PT. | 0200180000 | 146 147S (OW)26 AS8A 147 |
| CAROON PT. TO RHODOMS PT. EAST TO BEACH | 0200190000 | |
| POWELLS PT.-CAROON PT.-RHODOMS PT. | 0200200000 | |
| NORTH RIVER | 0201000000 | 1S 2S 4 7 21 25 26 D2 D4 D9 D13 D15 |
| NORTH RIVER | 0201000000 | NR2 NR3 NR5 NR7 NR8 (OW)23 (OW)24 |
| DUCK CREEK | 0201010000 | |
| BARNETT CREEK | 0201020000 | 6 16 NR1 |
| LUTZ CREEK | 0201030000 | 18 D16 |
| GOOSE POND | 0201040000 | 15 D12 |
| DEEP CREEK | 0201050000 | 8 9 |
| NARROW RIDGE CREEK | 0201060000 | 12 |

| WATER | CODE | STATIONS |
|---|---|---|
| BUMPLANDING CREEK | 0201270000 | |
| TAYLOR BAY | 0201000000 | 6 19 |
| IWW FROM TAYLOR BAY TO COINJOCK BAY | 0201090000 | 9 10 24 |
| INDIANTOWN CREEK | 0201100000 | 7 11 12 20 22 23 |
| WADING GUT | 0201110000 | |
| BROAD CREEK | 0201120000 | 3 NR9 NR10 |
| NORTH BRANCH | 0201120100 | 2 |
| LITTLE BROAD CREEK | 0201120200 | 17 |
| HUNTING CREEK | 0201130000 | 5 |
| NORTH BRANCH | 0201130100 | 4 |
| ABEL CREEK | 0201140000 | 3 |
| BACKLANDING CREEK | 0201150000 | 1 |
| PUBLIC CREEK | 0201160000 | 6 |
| COW CREEK (CROOKED CREEK) | 0201170000 | 11 |
| GREAT CREEK | 0201180000 | 5 10 |
| BULL FROG CREEK | 0201190000 | 14 D6 |
| EAST CANAL | 0201200000 | 13 D5 |
| GREEN ISLAND CREEK | 0201210000 | |
| PASQUOTANK RIVER | 0202000000 | 3 7 10 11 13 13S 14S-16S 15 17 18 22 23 24 |
| PASQUOTANK RIVER | 0202000000 | (OW)20-(OW)22 26 27 A6-A14 A16-A20 A22-A24 B1A |
| PASQUOTANK RIVER | 0202000000 | B1A B3A B2-B5 B8 B10 B11 B13 B14 B17 C2-C5 |
| PASQUOTANK RIVER | 0202000000 | C9-C11 EP11-EP14 S2 |
| RAYMOND CREEK | 0202010000 | 13 B12 B15 |
| PORTOHONK CREEK | 0202020000 | 16 |
| ARENEUSE CREEK | 0202030000 | 17 21 B6 |
| SAWYERS CREEK | 0202040000 | 5 C1 |
| LITTLE FLATTY CREEK | 0202050000 | 12 LF1 LF2 |
| NEW BEGUN CREEK | 0202060000 | 1 16 19 20 A1 A3 A5 |
| PALING CREEK | 0202060100 | |
| JAMES CREEK | 0202060200 | |
| CHARLES CREEK | 0202070000 | 21 |
| KNOBBS CREEK | 0202080000 | 2 4 29 |
| UNNAMED TRIB WHICH JOINS ARENEUSE CR. | 0202090000 | 30 |
| UNNAMED TRIB BELOW SAWYERS CREEK | 0202100000 | 10 |
| UNNAMED CREEK ABOVE COOPER CREEK | 0202110000 | 8 |
| UNNAMED CREEK BELOW GOAT ISLAND | 0202120000 | 9 |
| COOPER CREEK | 0202130000 | |
| DISMAL SWAMP CANAL (LAKE DRUMMOND CANAL) | 0202140000 | 6 24 25 C6 C7 |
| JOYCE CREEK | 0202150000 | 19 20 |
| BIG FLATTY CREEK | 0203000000 | 25 26 28 BF2 |
| CHAPEL CREEK | 0203010000 | 14 |
| MILL DAM CREEK | 0203020000 | 15 |
| LITTLE RIVER | 0204000000 | 1 3 6 7 9 9 27S 28 29 32 32S (OW)19 B5 |
| LITTLE RIVER | 0204000000 | A2 A3 B1 B3 B3A B4 B5 B5S B6 B6S B7S |
| SYMONDS CREEK | 0204010000 | 2 30 31 (OW)18 |
| HALLS CREEK | 0204020000 | 5 A1 |
| DEEP CREEK | 0204030000 | 4 A4 A6 |
| PERQUIMANS RIVER | 0205000000 | 1 3 5 8 14 19 20 24-27 33S 34S 35 36 38 38S |
| PERQUIMANS RIVER | 0205000000 | (OW)16 (OW)17 A1 A3 A5-A7 A9 A12-A16 |
| MUDDY CREEK | 0205010000 | 12 |
| CANAAN CREEK (COVE CREEK) | 0205020000 | |
| SUTTONS CREEK | 0205030000 | 2 16 18 37 A18 |
| MILL POND CREEK (MILL CREEK) | 0205040000 | 4 7 9 13 15 |
| GOODWIN CREEK | 0205050000 | 1 6 23 |
| WALTERS CREEK (RACCOON CREEK) | 0205060000 | 10 11 17 28 |
| MATHEWS CREEK | 0205070000 | 21 |

| WATER | CODE | STATIONS |
|---|---|---|
| UNNAMED CREEK (1200,1001,1208) | 0205080000 | 22 |
| YEOPIM RIVER | 0206000000 | 10 39S 40 41 E4 |
| YEOPIM CREEK | 0206010000 | 4 9 44 45 E8 |
| BETHEL CREEK | 0206020000 | 2 6 8 43 |
| BURNT MILL CREEK | 0206030000 | 3 5 7 E3 |
| MIDDLETOWN CREEK | 0206040000 | 1 11 42 |
| EDENTON BAY | 0207000000 | 12 49 50 (OW)29 EB2 EB3 EB5 PJ1 PJ2 |
| QUEEN ANNE CREEK | 0207010000 | 1 2 4 5 10 |
| POLLOCK CREEK (PEMBROKE CREEK) | 0207020000 | 2 3 6 8 9 11 13-16 51 EB6 |
| DRAINAGE DITCH | 0207030000 | 7 |
| CHOWAN RIVER | 0208000000 | |
| AREAS WITHIN CHOWAN R. PROPER | 0208000000 | |
| HWY 17 BR-MT GLD LNDG/HARR.LNDG | 0208000100 | 26 46S 54 (OW)12 CR1 CR5 CR8 CR13 CR14 |
| HWY 17 BR-MT GLD LNDG/HARR.LNDG | 0208000100 | EP01 EP02 EP05-EP08 NA01-NA03 NA10 NA25 NA26 |
| MT GLD L./HARR.L.-COLER./CHOW.B. | 0208000200 | 25 47S 07031 CR10 CR11 NA04-NA06 (OW)11 |
| COLER./CHOW.B./N.HOLIDAY IS. | 0208000300 | 19 56 57 58 07041 CR12 CR15 CR17 EP03 EP04 |
| COLER./CHOW.B./N.HOLIDAY IS. | 0208000300 | 35 39-41 NA07 (OW)9 (OW)10 |
| COLER./CHOW.B./N.HOLIDAY IS. | 0208000300 | NA13 NA14 NA22 NA23 NA28 |
| N.HOLIDAY IS-MOUTH BARNES CK. | 0208000400 | 34 42 CR18-CR20 M2 NA11 NA12 NA15 NA16 NA30 |
| MOUTH BARNES CK-HWY 158/13 BR. | 0208000500 | 29 36 38 48S 66 CR22-CR24 |
| MOUTH BARNES CK-HWY 158/13 BR. | 0208000500 | NA20 NA21 NA31 NA32 NA36 |
| HWY 158/13 BR TO VA. ST.LINE | 0208000600 | 14 30 32 70 CR25-CR29 NA18 NA19 NA24 |
| ROCKYHOCK CREEK | 0208010000 | 1 16 55 R1 R2 |
| DILLARD CREEK | 0208020000 | 2 |
| STUMPY CREEK | 0208030000 | |
| CATHERINE (WARWICK) CREEK | 0208040000 | 3 13 W1-W3 |
| TROTMAN CREEK | 0208040100 | 8 T1 |
| BENNETTS CREEK | 0208050000 | 4 5 9 37 59 60 B2 B4-B10 NA08 NA09 |
| SAREM CREEK | 0208060000 | 22 53 61 M3 |
| TAYLORS MILL POND | 0208060100 | 7 |
| COLE CREEK | 0208060200 | 11 |
| BARNES CREEK | 0208070000 | 23 M1 |
| SPIKES CREEK | 0208080000 | |
| BUCKHORN CREEK | 0208100000 | 24 |
| RUN SWAMP | 0208100100 | 12 |
| MUD CREEK | 0208110000 | |
| SOMERTON CREEK | 0208120000 | 31 N1-N4 |
| HARES MILL CREEK | 0208130000 | |
| WICCACON RIVER | 0208140000 | 9 20 27 28 33 62 63 65 K1 K3 K4 L1-L4 NA29 NA33 |
| WICCACON RIVER | 0208140000 | L1-L4 NA29 NA33 |
| CHINKAPIN CREEK | 0208140100 | 5 17 64 L5 L6 |
| AHOSKIE CREEK | 0208140200 | 18 |
| DEEP SWAMP | 0208150000 | |
| CURRITUCK CREEK (KEEL CREEK) | 0208160000 | |
| WILLOW BRANCH | 0208170000 | |
| MEHERRIN RIVER | 0208170000 | 3-5 16-27 67 68 68S 69 07252 |
| MEHERRIN RIVER | 0208190000 | M1 M3 M5-M7 M9-M14 NA17 NA27 NA34 |
| POTECASI CREEK | 0208190100 | 1 11 13 P1-P7 |
| INDIAN CREEK | 0208190101 | 12 |
| OLD TREE SWAMP | 0208190102 | 14 |
| PANTHER SWAMP | 0208190103 | 15 |
| KIRBY CREEK | 0208190200 | 6-9 |
| TURKEY CREEK | 0208190201 | 10 |
| LIVERMAN CREEK | 0208190300 | 2 |
| SALMON CREEK | 0208200000 | 1 2 3 5 52 53 S2 |
| EASTMOST SWAMP | 0208200100 | 14 |

| WATER | CODE | STATIONS |
|---|---|---|
| CRICKET SWAMP | 0208200200 | 15 |
| CRICKET SWAMP | 0218200200 | 15 |
| UNNAMED CREEK AT CANNONS FERRY | 0208210000 | 10 |
| UNNAMED CREEK AT CANNONS FERRY | 0208210000 | 10 |
| UNNAMED CREEK ACROSS FROM WICCACON CK. | 0208220000 | 21 |
| UNNAMED CREEK ACROSS FROM WICCACON CK. | 0208220000 | 21 |
| NOTTAWAY RIVER | 0208230000 | 1-11 01-05 NA35 |
| NOTTAWAY RIVER | 0208230000 | 1-11 01-05 NA35 |
| BLACKWATER RIVER | 0208240000 | 12 13 P1-P5 |
| BLACKWATER RIVER | 0218240000 | 12 13 P1-P5 |
| CATHERINE CREEK (AT TUNIS) | 0208250000 | 19 |
| BATCHELOR BAY | 0209000000 | 7 128S AC21 AS22 AS23 AS23A BB1 BB2 EP09 |
| CASHIE RIVER | 0209010000 | 2 4 713 72-75 CR2-CR4 CR6 CR7 CR9-CR13 |
| CASHIE RIVER | 0209010000 | 10-12 14-16 18 CR15 CR16 |
| CASHOKE CREEK | 0209010100 | CC1 |
| BROAD CREEK | 0209010200 | 17 BC1-BC3 |
| GRENNEL CREEK | 0209010300 | 9 G1 G2 |
| WADING PLACE CREEK | 0209010400 | 1 1A |
| HOGGARD MILL CREEK | 0209010500 | 3 3A |
| ROQUIST CREEK | 0209010600 | 5 13 |
| CHISKA CREEK | 0209010700 | 6 |
| CONNARISTA CREEK | 0209010800 | 8 |
| WHITE OAK SWAMP | 0209010900 | 7 |
| MIDDLE RIVER | 0209020000 | 77 MR2 |
| EASTMOST RIVER | 0209030000 | E1 |
| ROANOKE RIVER | 0210000000 | |
| AREAS WITHIN ROANOKE RIVER PROPER | 0210000000 | |
| MARKER#8-MOUTH OF WELCH CK. | 0210000100 | 43 76 79 RR1 RR2 (OW)14 |
| WELCH CK-HWY 17 L.AT WILMSTON | 0210000200 | 4 5 37 38 79 81 82 RR3 RR4 RR8-RR10 RR15-RR17 |
| HWY 17 BR AT WILMSTON HWY 11 BR. | 0210000300 | 33 40 RR23-RR26 |
| HWY 11 BR.-HWY 258 BR. | 0210000400 | 24 42 RR27 RR28 RR29-RR31 RR21 |
| HWY 258 BR.-ROANOKE RAPIDS DAM | 0210000500 | 5 20 23 25 RR20 RR18-RR19 RR32-RR34 |
| CANADY CREEK | 0210010000 | 35 36 41 76 CC1 CC2 |
| WELCH CREEK | 0210020000 | 1 31 33 |
| INDIAN CREEK (NO. 1) | 0210030000 | 2 6 34 |
| CONINE CREEK | 0210040000 | 27 |
| BROAD CREEK | 0210050000 | RR5-RR7 |
| LEFT FORK | 0210050100 | 28 80 |
| THROUGHFARE | 0210060000 | |
| CONOHO CREEK | 0210070000 | 1-7 26 |
| DEVILS GUT | 0210080000 | 39 RR11-RR13 |
| GARDNERS CREEK | 0210080100 | 7 |
| ROSES CREEK | 0210090000 | |
| COW CREEK | 0210100000 | 3 80 |
| CONIOTT CREEK | 0210110000 | |
| ROANOKE CREEK | 0210110100 | 1 32 |
| UNNAMED TRIB | 0210110200 | 22 |
| SWEETWATER CREEK | 0210120000 | 21 44 45 |
| KENUKEE SWAMP (CK. NO. 4) | 0210150000 | 11 29 |
| QUANKEY CREEK | 0210160000 | 30 |
| CK. NO. 2-1ST CK SE OF HWY 11 | 0210170000 | 9 |
| CK. NO. 3--2ND CK SE OF HWY 11 | 0210180000 | 10 |
| CK NO 5-SPLITS TO S CONNIS.& NORFLEET | 0210190000 | 12 |
| CK NO 6-S. OF RAILROAD X IN NW BERTIE CO. | 0210200000 | 14 |
| CK. NO. 7--CK. JUST SOUTH OF BRIDGES CK. | 0210210000 | 15 |
| BRIDGES CREEK (CK. NO. 8) | 0210220000 | 16 |

| WATER | CODE | STATIONS |
|---|---|---|
| CONOCONNARA SWAMP (CK. NO. 9) | 0210230000 | 17 |
| TRIB TO BARROWS MILL POND (CK. NO. 10) | 0210240000 | 18 |
| OCCONEECHEE CREEK | 0210250000 | 19 |
| SWAMP AT END OF SSR 1107 | 0210260000 | 8 |
| CANAL AT ROANOKE TAR HUNTING CLUB | 0210270000 | 13 |
| SWAN BAY | 0211000000 | |
| MACKEYS CREEK (KENDRICK CREEK) | 0212000000 | M4 M5 M7 5D2 5D3 |
| OLD MILL CREEK | 0212010000 | M1 |
| MILL CREEK | 0212020000 | M3 |
| MAIN CANAL | 0212030000 | 25 M2 5D1 |
| BULL BAY | 0213000000 | (OW)6 10 11 85S J4 |
| SCUPPERNONG RIVER | 0213010000 | 4 9 10 25 35 38 39 84 84S 85-87 (OW)7 |
| SCUPPERNONG RIVER | 0213010300 | J1 J6 US1 US6 4D3 4D4 4D8 4D9 |
| RIDERS CREEK | 0213010300 | 2 4D6 |
| MOCCASIN (WESTERN) CANAL | 0213010400 | 11 23 40 4D2 |
| CREEK TO BATAVA & BEE TREE | 0213010500 | 7 17 |
| BATAVA(BONARVA)CANAL | 0213010501 | |
| BEE TREE CANAL | 0213010502 | 6 31 34 4D1 |
| WINSLOW'S FEEDER | 0213010503 | 37 |
| LAKE PHELPS | 0213010504 | 4501 6502 7601 7612 76NE 76S0 7801-7820 |
| 30 FOOT CANAL | 0213010600 | 33 |
| WHITE CANAL(2ND CK AT COLUMBIA) | 0213010700 | 4D7 |
| FIRST COLONY PUMP. STA. CANAL | 0213010800 | 32 |
| SOMERSET (TRANSPORTATION) CANAL | 0213010900 | 8 36 |
| CHERRY CANAL | 0213011000 | 22 |
| ENOCH CANAL (1126 C/NAL) | 0213011100 | 12 |
| SECOND CREEK (ABOVE RIDERS CK.) | 0213011200 | 3 4D5 |
| BULL CREEK | 0213020000 | |
| DEEP CREEK | 0213030000 | 29 J5 |
| CANAL SSR 1308 | 0213030100 | 28 |
| ALLIGATOR RIVER | 0214000000 | |
| AREAS WITHIN ALLIGATOR RIVER PROPER | 0214000000 | |
| LONG SHOAL PT-SOUND PT-ALL.R.BR. | 0214000100 | (OW)3 19 GR5 AR8 2D9 |
| ALL.R.BR.-GOOSE CR-MILLTAIL CR | 0214000200 | 92 (OW)2 AR14 2D3 |
| GOOSE-MILLTAIL CR-CATF-STUMPY PT | 0214000300 | 94 AR17 H7 (OW)1 |
| CATF-STMP PT-GRPV B-PPLR RDG PT | 0214000400 | 95 AR19 |
| GRPVB-PPLR RDG-NWPTNWS PT-MKR10 | 0214000500 | 97 AR13 3E5 |
| NWPTNWS PT-MKR10-PT LKOUT-GA BAY | 0214000600 | AR11 AR12 |
| PT LKOUT-GA BAY-THE FORKS | 0214000700 | 21 99 100 3E6 |
| THE FORKS-KILKENNY LANDING | 0214000800 | 13 I1-I3 3E2 |
| KILKENNY LNDG-NEW L.FK/ALLIG. R. | 0214000900 | I4-I6 |
| UPRIVER OF NEW LAKE FK/ALLIG. R. | 0214001000 | 4E1 |
| LITTLE ALLIGATOR CREEK (RIVER) | 0214010000 | 1 17 18 89 90 LA2-LA4 LA6 LA7 3D4 3D5 |
| SECOND CREEK | 0214020000 | 5 91 AR1 AR2 3D3 |
| THE STRAITS | 0214030000 | H6 |
| THE FRYING PAN | 0214030100 | 6 23 H1-H5 3D1 |
| MILLTAIL CREEK & LAKE | 0214040000 | 4 93 AR15 AR16 2D1 2D2 |
| SOUTH LAKE | 0214050000 | 3 101 E1 E7 2D7 |
| BROAD CREEK | 0214050100 | E2 |
| DEEP BAY | 0214050200 | E4 |
| NORTHEAST PRONG | 0214050300 | 16 103 2D6 |
| HOOKER CUT | 0214050400 | 2D5 |
| ROBERTSON'S LANDING CANAL | 0214050500 | 22 |
| SOUTHEAST PRONG | 0214050600 | 102 |
| EAST LAKE | 0214060000 | 2 2A 68S 104-106 G2 G4-G6 GB 2D8 2D10 |
| LONG POINT CANAL | 0214060100 | |

| WATER | | CODE | STATIONS |
|---|---|---|---|
| | WHIPPING CREEKS & LAKE | 0211070000 | 7 98 2E1 2E2 |
| | SWAN CREEK & LAKE | 0211080000 | [illegible] 3E3 3E4 |
| | NO. 1 CANAL NC 94 (OFF ALLIGATOR RIVER) | 0211090000 | 11 |
| | INW-ALLIGATOR | 0211100000 | |
| | NEWLAKE FORK | 0211110000 | 4E2 |
| | NEW LAKE | 0211110100 | 4E3 |
| | GRAPEVINE BAY | 0211120000 | 20 96 |
| | NORTHWEST FORK | 0211130000 | NA1 NA4 NA5 3E7 |
| | CANAL NO. 1 NC 94 (WAYNE'S) | 0211140100 | 9 |
| | SOUTHWEST FORK | 0211140200 | 12 NA2 NA3 3E8 |
| | GUM NECK PUMPING STATION | 0211150000 | 10 |
| | CHERRY RIDGE CANAL | 0211160000 | 14 |
| | NO. 2 CANAL OFF ALLIGATOR R. TO NC 94 | 0211170000 | 15 302 |
| | EAST LAKE CANAL | 0211180000 | 204 |
| KITTY HAWK BAY | | 0215000000 | KHB1 KHB2 |
| | COLINGTON CREEK | 0215010000 | |
| BUZZARD BAY | | 0216000000 | B1 B2 B5 BB3 BB4 |
| BLACK WALNUT SWAMP | | 0217000000 | |
| TOM MANN CREEK | | 0218000000 | |
| | | 0218140000 | L1-L4 NA29 NA33 |
| CROATAN SOUND | | 0300000000 | 108S 113 114 148 (OW)27 CR1 CR3 |
| CROATAN SOUND | | 0300000000 | CR4 CR6 CR7 CR9 CR13 CR20 CR21 |
| PETER MASHOES CREEK | | 0301000000 | CR22 |
| SPENCER CREEK | | 0302000000 | CR10 CR11 CR23 |
| CALLAGHAN CREEK | | 0303000000 | |
| BAUM CREEK | | 0304000000 | |
| OYSTER CREEK | | 0305000000 | |
| CEDAR BUSH BAY | | 0306000000 | 114 |
| CUTTHROUGH | | 0307000000 | RI6 |
| SMITH CREEK | | 0308000000 | |
| MANNS HARBOR | | 0309000000 | 107S |
| ROANOKE SOUND | | 0400000000 | (OW)28 109S 110S 115 118 119 120 E3 R9 R10 |
| AREAS WITHIN ROANOKE SOUND PROPER | | 0400000000 | R12-R14 R16-R21 RI3 RS1 RS2 RS3 |
| | BAUM SLOUGH | 0400010000 | |
| | WALTER SLOUGH | 0400020000 | RI2 |
| | STETSON CHANNEL | 0400030000 | |
| | BLOSSIE CREEK | 0400040000 | RI1 |
| | CHANNEL BETWEEN HERRING SH. & BODIE IS. | 0400050000 | RI3 |
| SHALLOWBAG BAY | | 0401000000 | 121 122 R1-R3 RI2 |
| | SCARBORO CREEK | 0401010000 | RI10 |
| | DOUGH CREEK | 0401020000 | RI1 |
| JOHNS CREEK | | 0402000000 | |
| SAND BEACH CREEK | | 0403000000 | RI4 RI9 |
| BROAD CREEK | | 0404000000 | 116 117 R7 R8 RI11 RI5 |
| MILL CREEK | | 0405000000 | |
| OYSTER CREEKS CUTHROUGH | | 0406000000 | |
| PAMLICO SOUND | | 0500000000 | P1 P6 P8 |
| AREAS WITHIN PAMLICO SOUND PROPER | | 0500000000 | P1 P6 P8 |
| | ROYAL SHOAL | 0500010000 | |
| | POINT OF MARSH | 0500020000 | |
| | BLUFF SHOAL | 0500030000 | |
| | SWANQUARTER NARROWS | 0500040000 | 2QB15 P4 |
| | NEUSE RIVER LIGHT | 0500050000 | |
| | CEDAR ISLAND BEACH | 0500060000 | |
| | | 0500070000 | |
| | | 0500080000 | |

| WATER | CODE | STATIONS |
|---|---|---|
| BRANT ISLAND SHOAL | 0500020000 | |
| BRANT SLOUGH | 0500030000 | |
| BRANT ISLAND (HORSESHOE) | 0500040000 | |
| WEST OF BLUFF | 0500050000 | |
| LOWER MIDDLE GROUND | 0500060000 | |
| INNER MIDDLE GROUND | 0500070000 | |
| UPPER MIDDLE GROUND | 0500080000 | |
| PAMLICO RIVER LIGHT | 0500090000 | M2 |
| EAST BLUFF | 0500100000 | |
| GULL ROCK | 0500110000 | NB13 |
| LONG SHOAL | 0500120000 | P11 |
| GIBBS SHOAL | 0500200000 | |
| SEVEN FOOT PATCH | 0500210000 | |
| RACCOON ISLAND | 0500220000 | |
| OFFSHORE OLIVER REEF | 0500230000 | |
| GULL ISLAND | 0500240000 | |
| | 0500250000 | |
| SOUTH WEST POINT (ROYAL SHOAL) | 0500260000 | |
| NORTH WEST POINT (ROYAL SHOAL) | 0500270000 | |
| JACK SHOAL | 0500280000 | |
| OUTER BANKS | 0500290000 | |
| HATTERAS ISLAND | 0500300100 | HI1S HI4 HI7S-HI9S HI12S HI14-HI19 |
| HATTERAS ISLAND | 0500300100 | HI21-HI32 HI30S HAT1-HAT6 |
| SANDY BAY | 0500300101 | HI10S |
| CAPE CHANNEL | 0500300102 | |
| CRAB SLOUGH | 0500300103 | HI13 |
| OLD HOUSE SLOUGH | 0500300104 | ORI1 |
| DAVIS CHANNEL | 0500300105 | HI2 ORI3 |
| CLAM SHOAL | 0500300106 | |
| OLD NEW INLET CHANNEL | 0500300107 | HI4S |
| TERRAPIN CR. BAY | 0500300108 | |
| UNCLE JIMMY'S LANDING | 0500300109 | HI20 |
| CLARKS BAY | 0500300110 | HI6S |
| BROOKS CREEK | 0500300111 | |
| AUSTIN CR. | 0500300112 | |
| OLIVERS REEF | 0500300113 | |
| SHACK SHOAL | 0500300114 | |
| JACK SHOAL | 0500300115 | HI3 |
| BLACKMAR CUT | 0500300116 | HI5S |
| GOUGE CREEK | 0500300117 | HI11 |
| EAGLE NEST BAY | 0500300118 | |
| ASKINS CREEK | 0500300119 | |
| OCRACOKE ISLAND | 0500300200 | OI1S OI5-OI9 |
| HOWARD REEF | 0500300201 | OI2 OI3 |
| LEGGED LUMP | 0500300202 | |
| BIG FOOT SLOUGH | 0500300203 | |
| TEACHES HOLE | 0500300204 | OI4S |
| PORTSMOUTH ISLAND | 0500300300 | PI1 PI2 PI7 PI9 |
| HODGES REEF | 0500300301 | |
| MULLET SHOAL | 0500300302 | |
| EVERGREEN SLOUGH | 0500300303 | PI4 PI5 |
| THE HAULOVER | 0500300304 | PI6 |
| SWAN ISLAND | 0500310000 | |
| GREAT ISLAND | 0500320000 | P5 |
| HOG ISLAND | 0500330000 | P7 |
| SOW ISLAND | 0500340000 | |

| WATER | CODE | STATIONS |
|---|---|---|
| OFF PORTSMOUTH ISLAND | 0500350000 | |
| CRAB HOLE | 0501110000 | |
| OFF STUMPY POINT | 0501370000 | |
| STUMPY POINT BAY | 0501000000 | SPB1-SPB8 P12 |
| PARCHED CORN BAY | 0502000000 | PCB1 PCB1A |
| LONG SHOAL RIVER | 0503000000 | LSR2 LSR6 LSR10 LSR13 LSR14 P10 |
| PAINS BAY | 0503010000 | LSR4 LSR5 |
| DEEP CREEK | 0503020000 | LSR1 |
| BROAD CREEK | 0503030000 | LSR3 LSR7 LSR9 |
| CUMBERLAND CREEK | 0503040000 | |
| MUDDY CREEK | 0503050000 | LSR8 |
| OTTER CREEK | 0504000000 | LSR11 LSR12 |
| BERRYS BAY | 0505000000 | |
| FAR CREEK | 0506000000 | FC1 FC2 FC8 FC9 P9 |
| WAUPOPIN CREEK | 0506010000 | FC5 |
| KITTY CREEK | 0506020000 | FC7 |
| OYSTER CREEK | 0506030000 | FC6 |
| LONE TREE CREEK | 0507000000 | |
| BURRUS CREEK | 0508000000 | |
| MIDDELTON ANCHORAGE | 0509000000 | FC4 FC10 |
| MIDDLETOWN CREEK | 0509010000 | FC3 3F5 |
| CEDAR CREEK | 0509010100 | |
| BACK CREEK | 0510000000 | |
| JEANETTE CREEK | 0511000000 | |
| FEDS CREEK | 0512000000 | |
| BROOKS CREEK | 0513000000 | FC5A |
| WYSOCKING BAY | 0514000000 | WB1 WB2 WB5 WB7 WB12 3F3 |
| LONE TREE CREEK | 0514010000 | WB4 |
| LAKE LANDING CANAL | 0514020000 | 3F4 |
| DOUGLAS BAY | 0514030000 | WB3 WB6 WB3A |
| OLD HILL BAY | 0514040000 | WB10 |
| MT. PLEASANT BAY (HICKORY CREEK BAY) | 0514050000 | WB11 WB4A |
| HICKORY CREEK | 0514050100 | WB9 |
| BROWNS ISLAND BAY | 0514060000 | WB8 |
| MIDDLE CREEK | 0515000000 | |
| OUTFALL CANAL | 0516000000 | OC2 3F1 3F2 |
| LAKE MATTAMUSKEET | 0516010000 | |
| BOUNDARY CANAL | 0516010100 | |
| FAIRFIELD CANAL | 0516010200 | 3E1 |
| CARTERS CANAL | 0516010300 | 3E1 |
| WEST MAIN CANAL | 0516010400 | |
| MANAGEMENT IMPOUNDMENTS | 0516010500 | MI8 MI10 |
| JUNIPER CREEK | 0517000000 | |
| EAST BLUFF BAY | 0518000000 | OC4 |
| HARBOR CREEK | 0518010000 | OC1 |
| WEST BLUFF BAY | 0519000000 | OC3 |
| CUNNING HARBOR | 0520000000 | JB4 |
| JUNIPER BAY | 0521000000 | JB2 JB5 JB7 JB9 |
| LAUREL CREEK | 0521010000 | JB8 |
| BUCK CREEK | 0521020000 | JB6 |
| DOE CREEK | 0521030000 | |
| NORTHWEST CREEK | 0521040000 | JB1 |
| RATTLESNAKE CREEK | 0521050000 | |
| JUNIPER BAY CREEK | 0521060000 | JB3 |
| (JUDGES) QUARTER CANAL | 0521060100 | 4F10 |
| SWANQUARTER BAY | 0522000000 | SQB2 SQB6 SQB8-SQB10 P3 4F9 |

| WATER | CODE | STATIONS |
|---|---|---|
| CAFFEE BAY | 0522010000 | SQB11-SQB13 SQB1L SQB1R |
| UNNAMED NORTHERN TRIBUTARY | 0522010100 | SQB12 |
| OYSTER CREEK | 0522020000 | SQB5 SQB7 SQB14 |
| JARVIS CREEK | 0522030000 | |
| SHINGLE CREEK | 0522040000 | SQB1 SQB5 |
| COWPEN CREEK | 0522050000 | SQB18 |
| UNNAMED WEST TRIBUTARY | 0522060000 | SQB4 |
| HAULOVER | 0522070000 | |
| HAULOVER CREEK | 0522070100 | SQB17 |
| EASTERN BAY | 0522080000 | SQB16 |
| THE NARROWS | 0522090000 | |
| DEEP COVE | 0522 [illegible]0000 | RB21 RB22 |
| THE BLOWOUT | 0522 [illegible]0000 | RB20 |
| WHITE PERCH BAY | 0524000000 | RB19 |
| TOLERS BAY | 0525000000 | |
| ROSE BAY | 0526000000 | 4F6 RB2 RB8 RB10 RB13-RB15 RB23-RB29 P2 |
| DEEP BAY | 0526010000 | RB16 RB18 |
| DRUM COVE | 0526010100 | |
| MIDDLE CREEK | 0526010200 | |
| BERNICE CREEK | 0526010300 | RB17 |
| SWAN POINT CREEK | 0526020000 | RB11 |
| ROSE BAY CREEK | 0526030000 | RB4-RB6 RB1M RB1L 4F7 |
| ROSE BAY CANAL | 0526030100 | 4F8 |
| CEDAR CREEK | 0526040000 | |
| TOOLEY CREEK | 0526050000 | RB3 RB9 RB2U RB2L |
| SOUTHWEST UNNAMED TRIBUTARY | 0526050100 | RB2U RB2M RB2L |
| LIGHTWOOD SNAG BAY | 0526060000 | RB12 |
| UNNAMED WESTERN TRIBUTARY | 0526070000 | RB1 |
| UNNAMED NORTHERN TRIBUTARY | 0526080000 | RB7 |
| UNNAMED WESTERN TRIB.(ISLAND CREEK) | 0526090000 | RB30 |
| SPENCER BAY | 0527 [illegible]0000 | SB9 SB11-SB13 |
| STRIKING BAY | 0527010000 | SB3 |
| GERMANTOWN BAY | 0527 [illegible]0000 | SB1 SB2 SB6 SB7 |
| SWAN CREEK | 0527020100 | SB14 GB1L |
| JEANNETTE CREEK | 0527020200 | SB8 |
| LONG CREEK | 0527020300 | SB4 4F3 |
| UNNAMED NORTH TRIBUTARY | 0527020400 | SB5 |
| CHELLYBELLY CREEK | 0527030000 | SB10 |
| UNNAMED WESTERN TRIBUTARY SO. | 0527040000 | SB15 |
| UNNAMED WESTERN TRIBUTARY NO. | 0527050000 | SB16 |
| DITCH CREEK | 0527060000 | SB17 |
| PAMLICO RIVER | 0528000000 | |
| AREAS WITHIN PAMLICO RIVER PROPER | 0528000000 | |
| GUM PT./GARRISON PT. TO MOUTH | 0528000100 | 138 143-145 153S 155 159-161 PAR33 |
| GUM PT./GARRISON PT. TO MOUTH | 0528000100 | 152S 4F4 M1 PAR15 PAR17 |
| MAULS PT/RGGD PT-GUM PT/GRRSN PT | 0528000200 | 126 127S 129 130 131S 132 134 141 PAR5S |
| UPSTREAM OF MAULS PT/RAGGED PT | 0528000300 | 110-112 115 116 PAR1S |
| LONG CREEK | 0528010000 | |
| WILLOW CREEK | 0528020000 | AB8 |
| ABEL BAY | 0528020000 | AB2 AB6 5F21 |
| BERRY CREEK | 0528030100 | AB5 |
| BELL BAY | 0528030200 | |
| BELL CREEK | 0528030201 | AB4 AB7 |
| BOX CREEK | 0528030300 | AB1 AB3 |
| MARIE CREEK | 0528030400 | |
| HOBB CREEK | 0528040000 | |

1984

| WATER | | AREA CODE | STATIONS. |
|---|---|---|---|
| CROOKED CREEK | | 0520000000 | PUR20 |
| PUNGO RIVER | | 0520060000 | |
| | AREAS WITHIN PUNGO RIVER PROPER | 0520060000 | |
| | SNDY PT/O.FLD.PT-MOUTH | 0520060001 | 231S 234 5F20 PUR1S PUR25-PUR27 |
| | BRNT/PNGO PT-SNDY/OFLD | 0520060002 | 221S 222 5E14 |
| | UPSTREAM BRNT/PUNGO PT | 0520060003 | 200 201 202 203S 204 208 4E1 4E2 5E8 |
| | UPSTREAM BRNT/PUNGO PT | 0520060003 | BP1 BP2 BP3 BP7 P3 P4 P7 PUR10(S) PPR1 |
| | PUNGO RIVER CANAL | 0520060004 | 5E5 BP6 P2 PPR2 |
| | FORTESCUE CREEK | 0520060100 | 228 230 5F22 PUR4 PUR22 PUR23 PUR24 |
| | DIXON CREEK | 0520060101 | PUR17 |
| | SALT PIT CREEK | 0520060102 | |
| | OLD FIELD CREEK | 0520060103 | |
| | LOG CREEK | 0520060104 | |
| | ISLAND CREEK | 0520060105 | PUR19 |
| | PASTURE CREEK | 0520060106 | |
| | WARNER CREEK | 0520060107 | 229 PUR5 |
| | COX CREEK | 0520060108 | |
| | SNELL CREEK | 0520060109 | PUR18 |
| | SEER CREEK | 0520060110 | |
| | FORTESCUE TRIB. A | 0520060111 | |
| | RUNWAY CREEK | 0520060112 | |
| | SLADE CREEK | 0520060200 | 225 227 5F23 PUR6 |
| | ALLISON CREEK | 0520060201 | PUR20 |
| | FOREMAN CK | 0520060202 | |
| | CHURCH CREEK | 0520060203 | |
| | SPEER CUT | 0520060204 | |
| | SPEER CREEK | 0520060205 | |
| | RAFFING CREEK | 0520060206 | |
| | JONES CREEK | 0520060207 | |
| | SPELLMAN CREEK | 0520060208 | PUR21 |
| | WOOD CREEK | 0520060209 | 226 PUR7 |
| | NEAL CREEK | 0520060210 | |
| | BECKY CREEK | 0520060211 | |
| | JARVIS CREEK | 0520060212 | |
| | FISHING CREEK | 0520060300 | 220 |
| | SMITH CREEK | 0520060400 | 4F2 |
| | CORKENSON CREEK | 0520060500 | |
| | SCRANTON CREEK | 0520060600 | 205 4F1 PPR4 PUR12 |
| | TARKILN CREEK | 0520060700 | |
| | GALLOWAY CREEK | 0520060800 | |
| | HORSE ISLAND CREEK | 0520060900 | |
| | POSTER CREEK | 0520061000 | |
| | DIP CREEK | 0520061100 | |
| | WILKERSON CREEK | 0520061200 | 4E3 |
| | IWW | 0520061201 | |
| | RUTMAN CREEK | 0520061202 | 4E4 |
| | BACK LANDING BAY | 0520061300 | |
| | QUEEN CREEK | 0520061400 | |
| | CRABTREE BAY | 0520061500 | |
| | RUSSEL CREEK | 0520061501 | |
| | MT. OLIVE CREEK | 0520061502 | |
| | CLARK MILL CREEK | 0520061600 | CMC2 |
| | CANAL D | 0520061601 | C4 |
| | KNIGHTS CREEK | 0520061700 | |
| | HERRING RUN | 0520061800 | |
| | LOWES DITCH CREEK | 0520061900 | |

| WATER | CODE | STATIONS |
|---|---|---|
| COW GUT | 0520062000 | |
| SHALLOP CREEK | 0520062100 | |
| PINEY GROVE RUN | 0520062200 | |
| STYRON CREEK | 0520062300 | |
| SOPHIE ISLAND CREEK | 0520062400 | |
| BATEMAN CREEK | 0520062500 | |
| CROOKED CREEK | 0520062600 | |
| UPPER DOWRY CREEK | 0520062700 | 206 5E13 PUR11 |
| FLAX POND | 0520062800 | |
| LOWER DOWRY CREEK | 0520062900 | 5E12 |
| BALLALINA CREEK | 0520063000 | |
| TOOLEYS CREEK | 0520063100 | |
| PANTEGO CREEK | 0520063200 | 209 211 5E3 5E10 |
| CUCKOLDS CREEK | 0520063201 | 5E9 |
| SHOEMAKER CREEK | 0520063202 | |
| INGLES CREEK | 0520063203 | |
| BROAD CREEK | 0520063204 | 210 212 5E2 PPR3 |
| FLARE CREEK | 0520063205 | |
| DEEP RUN | 0520063206 | |
| DIVIDE POINT CREEK | 0520063207 | |
| EAST DISMAL SWP CANAL | 0520063208 | 5E4 |
| PUNGO CREEK | 0520063300 | 213 214 216 218S 219 5E1 5E11 6E3 PUR0S |
| VALE CREEK | 0520063301 | |
| SCOTT CREEK | 0520063302 | |
| SMITH CREEK | 0520063303 | |
| FORE SWAMP | 0520063304 | |
| JACK CREEK | 0520063305 | 215 5F14 PUR9 |
| LITTLE CREEK | 0520063306 | 217 |
| SPARROWS GUT | 0520063400 | |
| JORDAN CREEK | 0520063500 | 223 5F17 |
| SPRING CREEK | 0520063501 | |
| SNEDEKER GUT | 0520063502 | |
| ALLIGATOR GUT | 0520063503 | 224 |
| | 0520063600 | |
| SATTERTHWAITE CREEK | 0520063700 | 5F18 PUR16 232 |
| UNNAMED NORTH TRIB | 0520063701 | PUR14 |
| UNNAMED SOUTH TRIB | 0520063702 | PUR15 |
| WRIGHTS CREEK | 0520063800 | 5F19 PUR2 PUR31 |
| NORTH PRONG | 0520063801 | |
| SOUTH PRONG | 0520063802 | PUR13 |
| BRADLEY GUT | 0520063803 | 235 PUR3 |
| GREAT CUT | 0520063900 | |
| | 0520064000 | |
| PUNGO LAKE CANAL | 0520064100 | 5 6 7 17 5E6 5E7 |
| PUNGO LAKE | 0520064101 | 9 10 11 13 |
| DIKE CANAL | 0520064102 | |
| DUCK PEN RD. DITCH | 0520064103 | |
| PROPERTY LINE CANAL | 0520064104 | 14 |
| VAN STAALDUINEN CANAL | 0520064105 | 2 3 15 |
| SOUTH PUNGO CANAL | 0520064106 | 1 4 |
| NORTH PUNGO CANAL | 0520064107 | 16 |
| ALLEN CANAL | 0520064108 | 8 |
| DUCK PEN RD. CANAL | 0520064109 | 12 |
| CANAL B (TO PHELPS) | 0520064200 | BP4 BP5 CB5 |
| NORTH CREEK | 0520070000 | 157 PAR18 PAR20 |
| FRYINGPAN CREEK | 0520070100 | PAR21 |

| WATER | CODE | STATIONS |
|---|---|---|
| EAST FORK | 0528[illegible] | 150 PAR10 PAR20 |
| BAILEY CREEK | 0528[illegible] | PBC1 |
| MOSS CREEK | 0528[illegible] | PAR20 |
| ASHON GUT | 0528[illegible] | |
| CARFFIT GUT | 0528[illegible] | PAR12 |
| LITTLE BASE CREEK | 0528[illegible] | PAR22 |
| ST. CLAIR CREEK | 0528[illegible] | 153 EST1 |
| GAYLORD BAY | 0528[illegible] | PAR35 |
| MIXON CREEK | 0528[illegible] | PAR9 |
| GAR GUT | 0528[illegible] | |
| BATH CREEK | 0528[illegible] | 133 134 135 163 PAR8 |
| PLUM POINT CUT | 0528[illegible] | |
| BACK CREEK | 0528[illegible] | |
| ROWLAND CREEK | 0528[illegible] | PBC4 |
| TANKARD CREEK | 0528[illegible] | PBC3 |
| HARVEY CREEK | 0528[illegible] | PBC2 |
| BOYD CREEK | 0528[illegible] | PBC1 |
| ADAMS CREEK | 0528[illegible] | |
| GLEBE GUT | 0528[illegible] | |
| CRADLE GUT | 0528[illegible] | |
| DUCK CREEK | 0528[illegible] | PDC1 |
| GREAT GUT | 0528[illegible] | |
| MALLARD CREEK | 0528[illegible] | PMC1 |
| LITTLE GOOSE CREEK | 0528[illegible] | 125 124 125 PAR3 PGC1 |
| FLATLEY CREEK | 0528160100 | |
| BROAD CREEK | 0528170000 | 117 118 PAR2 PBR1 |
| RUNYON CREEK | 0528[illegible] | PRC1 |
| SNODE CREEK | 0528[illegible] | |
| HERRING RUN | 0528[illegible] | |
| JACKS CREEK | 0528[illegible] | |
| TAR RIVER | 0528200000 | 100 101 102 103 105 106 109 TR1-TR9 |
| KENNEDY CREEK | 0528[illegible] | |
| TRANTERS CREEK | 0528200200 | 107 108 TTC1-TTC5 |
| CHERRY RUN | 0528[illegible] | TTC6 |
| MITCHELL BRANCH | 0528[illegible] | |
| MAPLE BRANCH | 0528[illegible] | |
| AGGIE BRANCH | 0528[illegible] | TTC7 TTC8 |
| SHOP COVE | 0528200205 | |
| COLLIE SWAMP | 0528[illegible] | |
| HORSEPEN SWAMP | 0528[illegible] | TTC9 |
| GRINDLE CREEK | 0528[illegible] | TGC1-TGC4 |
| PARKER CREEK | 0528[illegible] | |
| JOHNSON MILL RUN | 0528[illegible] | |
| CONETOE CREEK | 0528[illegible] | TCC1 TCC2 |
| SUGGS CREEK | 0528200700 | |
| FISHING CREEK | 0528[illegible] | TFC1-TFC5 |
| DEEP CREEK | 0528[illegible] | TTC6 |
| BEACH SWAMP | 0528[illegible] | |
| LITTLE FISHING CREEK | 0528[illegible] | |
| MAPLE BRANCH | 0528[illegible] | |
| SHOCCO CREEK | 0528[illegible] | |
| CROOKED SWAMP | 0528[illegible] | |
| BEAVERDAM SWAMP | 0528[illegible] | |
| MAPLE SWAMP | 0528[illegible] | |
| BUCK SWAMP | 0528[illegible] | TBS1 |
| TOWN CREEK | 0528[illegible] | TTN1-TTN5 |

| WATER | CODE | STATIONS |
|---|---|---|
| DYNUMS MILL CREEK | 0520201001 | TTN6 |
| OTTER CREEK | 0520201100 | TOC1 |
| KITTIM CREEK | 0520201101 | TOC2 |
| TYSON CREEK | 0520201200 | TTY1 TTY2 |
| SAMS BRANCH | 0520201300 | |
| HARRIS MILL RUN | 0520201400 | |
| GREENS CREEK | 0520201500 | |
| HARDEE CREEK | 0520201600 | THC1 |
| CHICOD CREEK | 0520201700 | 104 TCC1-TCC3 |
| BEAR CREEK | 0520201800 | TBC1 |
| CANNON SWAMP | 0520201900 | TCS1 |
| SWIFT CREEK | 0520202000 | TSC1-TSC4 |
| BEECH BRANCH | 0520202100 | TBB1 TBB2 |
| COMPASS CREEK | 0520202200 | TCM1 |
| STONY CREEK | 0520202300 | |
| SAPPONY CREEK | 0520202400 | |
| HARTS MILL RUN | 0520202500 | THM1 |
| COWLICK BRANCH | 0520202600 | TCL1 |
| RODMAN CREEK | 0520220000 | PRO1 |
| CHOCOWINITY BAY | 0520230000 | 113 114 |
| CEDAR CREEK | 0520230100 | |
| TAYLOR CREEK | 0520230200 | |
| CRAWFOR CREEK | 0520230300 | |
| CHOCOWINITY CREEK | 0520230400 | PCC1 |
| SIDNEY CREEK | 0520230500 | |
| SILAS CREEK | 0520240000 | |
| RICE CREEK | 0520250000 | |
| CALS CREEK | 0520260000 | |
| HILLS CREEK | 0520270000 | PHC1 |
| TAYLOR GUT | 0520280000 | |
| BLOUNTS BAY | 0520290000 | 119 120 123 |
| BLOUNTS CREEK | 0520290100 | 121 122 PAR4 PBB1 |
| YEATS CREEK | 0520290101 | |
| DUPREE CREEK | 0520290102 | |
| LITTLE CREEK | 0520290103 | |
| SHEPPARD RUN | 0520290104 | PBB2 |
| NANCY RUN | 0520290105 | PBB3 |
| HERRING RUN | 0520290106 | PBB4 |
| YELLOWBANK CUT | 0520290107 | |
| ALLIGATOR CUT | 0520290108 | |
| NEVIL CREEK | 0520300000 | 120 PNV1 |
| JACK CREEK | 0520300100 | PNV2 |
| LEWIS GUT | 0520300200 | |
| CUPLER SLOUGHS | 0520310000 | |
| TAYLOR BRANCH | 0520320000 | |
| BARRIS CREEK | 0520330000 | |
| MILL GUT | 0520340000 | |
| DURHAM CREEK | 0520350000 | 137 140 PAR6 PAR34 PDM1 |
| BROWN RUN | 0520350100 | |
| CRAWFORD MILL RUN | 0520350200 | |
| TAN SWAMP | 0520350300 | PDM2 |
| PORTER CREEK | 0520350400 | 139 PAR7 |
| HUDDLES GUT | 0520360000 | |
| SOUTH CREEK | 0520370000 | 146 149S 150 151 152 PAR11 PAR12(S) PSC1 PAR36 |
| TOOLEY CREEK | 0520370100 | PAR27 |
| JACOBS CREEK | 0520370200 | PAR31 |

| WATER | | CODE | STATIONS |
|---|---|---|---|
| | DRINKWATER CREEK | 0528270201 | PAR32 |
| | JACKS CREEK | 0528270300 | PAR30 |
| | WHITEHURST CREEK | 0528270400 | |
| | BAILEY CREEK | 0528270500 | |
| | BROADFIELD SWAMP CREEK | 0528270600 | |
| | CYPRESS RUN | 0528270700 | |
| | GUM SWAMP RUN | 0528270800 | |
| | LITTLE CREEK | 0528270900 | |
| | SHORT CREEK | 0528271000 | |
| | LONG CREEK | 0528271100 | PAR26 |
| | BOND CREEK | 0528271200 | 147 PAR14 |
| | FLANNIGAN GUT | 0528271201 | PAR24 |
| | ALLIGATOR GUT | 0528271202 | PAR23 |
| | MUDDY CREEK | 0528271203 | 148 PAR13 |
| | WILSON GUT | 0528271204 | |
| | SHEEPSKIN CREEK | 0528271205 | |
| | ROBBIN GUT | 0528271206 | |
| DAVIS CREEK | | 0528280000 | |
| STRAWHORN CREEK | | 0528290000 | |
| | CYPRESS CREEK | 0528290100 | PAR25 |
| | EAST PRONG | 0528290101 | PAR16 |
| GOOSE CREEK | | 0528400000 | A9 A13 A15 S88 S89 |
| | HATLER CREEK | 0528400100 | |
| | LOWER SPRING CREEK | 0528400200 | A1 |
| | BETTY CREEK(DOG CREEK) | 0528400201 | A2 S86 |
| | PETERSON CREEK | 0528400300 | A3 |
| | SNODE CREEK | 0528400400 | A4 A5 |
| | CAMPBELL CREEK | 0528400500 | A6 A8 |
| | PASTURE GUT | 0528400501 | |
| | SMITH CREEK | 0528400502 | A7 |
| | CUFF PARKLIN GUT | 0528400503 | |
| | UPPER SPRING CREEK | 0528400600 | A16 |
| | COW GALLUS CREEK | 0528400601 | |
| | HUNTING CREEK | 0528400602 | |
| | EASTHAM CREEK | 0528400700 | A10 A11 S87 |
| | SLADE LANDING CREEK | 0528400701 | |
| | MALLARD CREEK | 0528400702 | A12 |
| | MUD GUT | 0528400703 | |
| | WILKERSON CREEK | 0528400704 | |
| | DIXON CREEK | 0528400800 | A14 |
| OYSTER CREEK-MIDDLE PRONG | | 0528410000 | A52 |
| | OYSTER CREEK | 0528410100 | A50 A51 S90 |
| | DUCK CREEK | 0528410101 | A53 |
| | JAMES CREEK | 0528410200 | A54 A55 S91 |
| | CLARK CREEK | 0528410300 | A58 A59 S93 |
| | MIDDLE PRONG | 0528410400 | A56 A57 S92 |
| MOUSE HARBOR | | 0529000000 | B13 S97 |
| LONG CREEK | | 0529010000 | B10 |
| LIGHT HOUSE CREEK | | 0529020000 | |
| MOUSE HARBOR DITCH | | 0529030000 | |
| CEDAR CREEK | | 0529040000 | B11 B12 S96 |
| ISLAND CREEKS | | 0529050000 | |
| SOUTHWARD BAY | | 0529060000 | B19 S99 |
| LITTLE PORPOISE BAY | | 0530000000 | |
| BIG PORPOISE BAY | | 0531000000 | B22 S98 |
| PORPOISE CREEK | | 0531010000 | B20 B21 S95 |

| WATER | CODE | STATIONS |
|---|---|---|
| MIDDLE BAY | 0533000000 | B33 S85 S94 |
| LITTLE OYSTER CREEK (BLACK DUCK CREEK) | 0533010000 | B30 S84 |
| CAPPS CREEK | 0533020000 | B31 |
| MIDDLE BAY CREEK | 0533030000 | B32 |
| FISHING BAY | 0533040000 | B29 |
| JONES BAY | 0533000000 | B41 B42 B46 S83 JB11 JB14 JB12 JB15 |
| LITTLE DRUM CREEK | 0533010000 | B49 |
| LITTLE EVE CREEK | 0533020000 | JB2 |
| DRUM CREEK | 0533030000 | B45 |
| DITCH CREEK | 0533040000 | B43 B44 S81 JB13 |
| DOWDY CREEK | 0533040100 | |
| SHEEPNECK CREEK | 0533040200 | |
| UPPER JONES BAY CREEK | 0533050000 | B40 S82 |
| BAY RIVER | 0534000000 | M3 M5 M20 CN13 S70 S78 |
| ROCK HOLE BAY | 0534010000 | CN7 |
| DUMP CREEK | 0534020000 | CN6 |
| IWW-GALE CREEK | 0534030000 | CN8 S79 |
| DUTCH CREEK | 0534030100 | |
| RACCOON CREEK | 0534030200 | |
| JUMP OVER CREEK | 0534030300 | |
| GALE CREEK | 0534030400 | CN5 S80 |
| WHEALTON CREEK | 0534030500 | |
| TAR CREEK | 0534030600 | |
| CHADWICK CREEK | 0534040000 | |
| BEAR CREEK | 0534050000 | CN4 CN2 |
| RIGGS CREEK | 0534050100 | CN3 |
| LITTLE BEAR CREEK | 0534060000 | |
| BLOSSOM POND CREEK | 0534060100 | CN10 |
| OYSTER CREEK | 0534070000 | |
| HARRIS CREEK | 0534080000 | |
| MESIC CREEK | 0534090000 | |
| VANDEMERE CREEK | 0534100000 | CN11 CN12 A01-A07 B01-B09 C01-C09 D01-D09 |
| VANDEMERE CREEK | 0534100000 | A01C-A04C B01C-B03C C01C-C08C D09C A01S-A19S |
| VANDEMERE CREEK | 0534100000 | B01S-B18S C01S-C18S D01S-D21S NBR1 |
| LONG CREEK | 0534100100 | D01C-D08C |
| CEDAR CREEK | 0534100200 | D10C-D13C |
| LOG POND CREEK | 0534100300 | |
| SMITH CREEK | 0534110000 | CN1 |
| UNNAMED TRIBUTARY | 0534110100 | S72 |
| HARPER CREEK | 0534120000 | |
| CHAPEL CREEK | 0534130000 | CN14 |
| BEE TREE CREEK | 0534130100 | S71 |
| RACCOON CREEK | 0534140000 | |
| TRENT CREEK | 0534150000 | CS12 CS14 NBR2 |
| ALLIGATOR CREEK | 0534150100 | CS11 |
| THOMAS CREEK | 0534150200 | |
| MASON CREEK | 0534160000 | CS10 |
| MOORE CREEK | 0534170000 | CS13 |
| LITTLE PASTURE CREEK | 0534180000 | |
| RICE CREEK | 0534190000 | CS1 |
| BALL CREEK | 0534200000 | CS2 CS5 |
| PASTURE CREEK | 0534200100 | |
| SIMPSON CREEK | 0534200200 | CS2 |
| CABIN CREEK | 0534200300 | CS4 S73 S74 |
| BONNER BAY | 0534210000 | D1 D9 |
| RIGGS CREEK | 0534210100 | |

| WATER | CODE | STATIONS |
|---|---|---|
| SAVANNAH CREEK | 0534210101 | |
| MORRIS CREEK | 0534210102 | D2 |
| SPRING CREEK | 0534210200 | D3 D4 D10 |
| HORTON CREEK | 0534210201 | |
| RICHARDSON CREEK | 0534210202 | |
| IVES CREEK | 0534210203 | |
| BRYAN CREEK | 0534210204 | D5 S75 |
| LONG CREEK | 0534210300 | D6 D7 S76 |
| COW GALLUS CREEK | 0534210301 | |
| DIPPING VAT CREEK | 0534210302 | D8 S77 |
| SHEEPHEAD CREEK | 0534210400 | |
| BARNES CREEK | 0534220000 | |
| POTTER CREEK | 0534220000 | |
| SWINDELL BAY | 0534240000 | |
| NORTH PRONG | 0534250000 | NDR4 |
| SOUTH PRONG | 0534260000 | NDR3 |
| NEUSE RIVER | 0535000000 | |
| AREAS WITHIN NEUSE RIVER PROPER | 0535000000 | |
| MOUTH TO CHERRY PT/WILKINSON PT. | 0535000100 | E23 M6-M11 |
| CHERRY PT/WILK. PT TO NEW BERN | 0535000200 | 417S 418S 420 421 422S 434 437S NR1S |
| CHERRY PT/WILK. PT TO NEW BERN | 0535000200 | NR3S NR4 NR12S NR13S M12-M16 |
| ABOVE NEW BERN | 0535000300 | 400 401 402S 403 404 406-409 410S 411 |
| ABOVE NEW BERN | 0535000300 | 413-416 N1 N2 NNR01-NNR26 |
| MAW BAY-MAW POINT | 0535010000 | |
| SWAN CREEK | 0535020000 | E1-E3 S68 S69 |
| BROAD CREEK | 0535030000 | BC5 BC13 BC15 BC16 E12 E14 NBC1 BC11 S61-S63 S66 |
| CEDAR CREEK | 0535030100 | S65 |
| MILL CREEK | 0535030200 | |
| PARRIS CREEK | 0535030300 | E13 S64 |
| TAR CREEK | 0535030400 | |
| GIDEAN CREEK | 0535030500 | |
| UPPER BROAD CREEK | 0535030600 | E10 BC11 |
| SHIP CREEK | 0535030601 | BC1 |
| BROWN CREEK | 0535030700 | E11 NBC2 |
| SPICE CREEK | 0535030701 | |
| PASTURE CREEK | 0535030800 | |
| BERTON CREEK | 0535030900 | |
| PITTMAN CREEK | 0535031000 | E16 |
| GREEN CREEK | 0535031100 | BC3 BC14 E15 S67 |
| COFFEE CREEK | 0535031200 | |
| GUM THICKET CREEK | 0535040000 | |
| ORCHARD CREEK | 0535050000 | F2 F5 A1-A8 B1-B8 C1-C8 |
| PASTURE CREEK | 0535050100 | S60 |
| BRIGHT CREEK | 0535050200 | F1 D1-D8 |
| OLD HOUSE CREEK | 0535050300 | |
| PIERCE CREEK | 0535060000 | F3 F3D F3N S59 |
| WHITTAKER CREEK | 0535070000 | F4 S58 |
| GREENS CREEK | 0535080000 | F13 F14 NGC1 S53 S54 S57 S56 S55 |
| CAMP CREEK | 0535080100 | |
| SMITH CREEK | 0535080200 | F10 F11 NGC2 |
| MORRIS CREEK | 0535080201 | |
| KERSHAW CREEK | 0535080300 | F12 NGC3 |
| UNNAMED CREEK (F-14A) | 0535080400 | |
| SHOP GUT | 0535080500 | F15 |
| DRAWHORN CREEK | 0535080600 | |
| DAWSON CREEK | 0535090000 | F21 F22 NDC1 |

| WATER | CODE | STATIONS |
|---|---|---|
| TARKILN CREEK | 0535 05100 | F20 |
| DEEP RUN | 0535 70200 | NDC2 |
| BEARD CREEK | 0535 00000 | 428 429S 430 NR7 NR8S L1 L2 NRD1 |
| GOOSE CREEK | 0535 10000 | 426 427 NR5 NR6 L3 NGS1-NGS3 |
| UPPER BROAD CREEK | 0535 20000 | 424 425 L4 NUB1-NUB3 |
| NORTHWEST CREEK | 0535 30000 | 423 L5 NNC1 |
| DUCK CREEK | 0535 40000 | 419 NR2 NDK1 |
| SLOCUM CREEK | 0535 50000 | 431 433 NR9S K3 K4 |
| ANDERSON CREEK | 0535 50100 | NR10 |
| TUCKER CREEK | 0535 50200 | 432 NSC1 |
| SOUTHWEST PRONG | 0535 50300 | NSC2 |
| EAST PRONG | 0535 50400 | NSC3 |
| HANCOCK CREEK | 0535 60000 | 435 436 NR11 K1 K2 NHC1 |
| REEDS GUT | 0535 60100 | |
| STILL GUT | 0535 60200 | |
| CANOOGUE CREEK | 0535 60300 | NHC2 |
| CLUBFOOT CREEK | 0535 70000 | H2 H3 H5 |
| MITCHELL CREEK | 0535 70100 | H1 |
| MORTONS MILL POND | 0535 70200 | S3 |
| GULDEN CREEK | 0535 70300 | H4 |
| HARLOWE CANAL | 0535 70400 | NCC1 |
| LONG CREEK | 0535 80000 | |
| COURTS CREEK | 0535 90000 | |
| ADAMS CREEK | 0535 00000 | G21 G22 122 S23 S25 |
| GODFREY CREEK | 0535 00100 | S24 |
| DELAMAR CREEK | 0535 00200 | |
| KELLUN CREEK | 0535 00300 | |
| KEARNEY CREEK | 0535 00400 | |
| ISAAC CREEK | 0535 00500 | S22 |
| BACK CREEK (BLACK CREEK) | 0535 00600 | G20 121 |
| CEDAR CREEK | 0535 00700 | |
| JONAQUIN CREEK | 0535 00701 | G19 S26 |
| DUMPLING CREEK | 0535 00800 | |
| SANDY HUSS CREEK | 0535 00900 | |
| GARBACON CREEK | 0535 10000 | |
| SOUTH RIVER | 0535 20000 | G13 NSR1 |
| HARDY CREEK | 0535 20100 | G15 |
| BIG CREEK | 0535 20200 | 111 G16 |
| SOUTHWEST CREEK | 0535 20300 | G11 |
| EASTMAN CREEK | 0535 20400 | G12 |
| HEADWATERS | 0535 20500 | 113 G10 |
| HORTON BAY | 0535 20600 | G14 S27 |
| BROWN CREEK | 0535 30000 | |
| TURNAGAIN BAY | 0535 40000 | S4 G1 S39 S40 |
| ABRAHAM BAY | 0535 40100 | |
| BROAD CREEK | 0535 40200 | |
| BIG GUT | 0535 40300 | |
| DEEP GUT | 0535 40400 | G2 |
| OLD CANAL | 0535 40500 | S38 |
| PARSON'S CREEK | 0535 40600 | G3 S28 |
| HEADWATERS | 0535 40700 | |
| TUMP GUT | 0535 40800 | |
| MULBERRY PT CREEK | 0535 40900 | |
| SWIFT CREEK | 0535 50000 | 412 NSW1-NSW5 |
| | 0535 50100 | NSW6 NSW7 NSW8 |
| PITCHKETTLE CREEK | 0535 60000 | 405S NPK1 NPK2 |

| WATER | CODE | STATIONS |
|---|---|---|
| TURKEY QUARTER CREEK | 0535[illegible]0000 | NTQ1-NTQ3 |
| TAYLOR'S CREEK | 0535[illegible]0000 | NTA1 |
| BACHELOR CREEK | 0535[illegible]0000 | NBA1-NBA4 |
| TRENT RIVER | 0535[illegible]0000 | 500 508 512 N3 N4 TTR1-TTR8 |
| BRICES CREEK | 0535[illegible]0100 | 513 514 TBR1 TBR4 |
| MUSIC CREEK | 0535[illegible]0200 | |
| REEDY BRANCH | 0535[illegible]0300 | TRE1 |
| WILSON CREEK | 0535[illegible]0400 | |
| HAYWARD CREEK | 0535[illegible]0500 | |
| ROCKY RUN | 0535[illegible]0600 | |
| MIRY HOLE BRANCH | 0535[illegible]0700 | |
| ISLAND CREEK | 0535[illegible]0800 | TIS1 TIS2 |
| LONG BRANCH | 0535[illegible]0801 | |
| MUDDY COVE | 0535[illegible]0802 | |
| DEEP GULLY | 0535[illegible]0900 | |
| SCOTT CREEK | 0535301000 | |
| RACCOON CREEK | 0535[illegible]1100 | |
| BEAVER BRANCH | 0535[illegible]1101 | |
| WEST PRONG | 0535[illegible]1102 | |
| CLAYHILL BRANCH | 0535[illegible]1200 | |
| WEST BRANCH | 0535[illegible]1300 | |
| MILL CREEK | 0535[illegible]1400 | TMI1 TMI2 |
| GOSHEN BRANCH | 0535[illegible]1500 | |
| LITTLE HELL CREEK | 0535[illegible]1600 | TLH1 |
| MILL RUN | 0535301700 | TMR1 |
| LONG BRANCH | 0535[illegible]1800 | |
| BEAVERDAM CREEK | 0535[illegible]1900 | TBD1 |
| JUMPING CREEK | 0535[illegible]2000 | TJU1 |
| FRENCH BRANCH | 0535[illegible]2100 | |
| CROOKED RUN | 0535[illegible]2200 | TCR1 |
| MUSSELSHELL CREEK | 0535[illegible]2300 | TMU1 |
| RESOLUTION BRANCH | 0535[illegible]2400 | |
| BEAVER CREEK | 0535[illegible]2500 | TBE1 |
| DEEP BOTTOM BRANCH | 0535[illegible]2501 | |
| HEATH MILL RUN | 0535[illegible]2502 | |
| TRACE BRANCH | 0535[illegible]2503 | |
| RATTLESNAKE BRANCH | 0535[illegible]2504 | |
| BIG CHINQUAPIN BRANCH | 0535[illegible]2600 | |
| POPULAR BRANCH | 0535[illegible]2700 | |
| POCOSON BRANCH | 0535[illegible]2800 | |
| LITTLE CHINQUAPIN BRANCH | 0535[illegible]2900 | |
| JACK CABIN BRANCH | 0535[illegible]3000 | |
| MILL BRANCH | 0535[illegible]3400 | |
| CYPRESS CREEK | 0535[illegible]3200 | TCY1 |
| TUCKAHOE CREEK | 0535[illegible]3300 | TTU1 TTU2 |
| CEDAR BAY | 0535[illegible]0000 | |
| RATTAN BAY | 0535[illegible]0000 | |
| WADING CREEK | 0535[illegible]0000 | |
| PINETREE CREEK | 0535[illegible]0000 | NPT1 |
| CORE CREEK (COVE CREEK) | 0535[illegible]0000 | NCO1-NCO3 |
| KITTEN CREEK | 0535[illegible]0000 | NKI1 |
| VILLAGE CREEK | 0535[illegible]0000 | NVI1 |
| HALFMOON CREEK | 0535[illegible]0000 | NHA1 |
| GRINNEL SLOUGH | 0535[illegible]0000 | NGR1 NGR2 |
| CONTENTNEA CREEK | 0535[illegible]0000 | NCN01-NCN07 |
| LITTLE CONTENTNEA CREEK | 0535400100 | NCN08-NCN10 |

| WATER | | CODE | STATIONS |
|---|---|---|---|
| | MIDDLE SWAMP | 0535400001 | NS11 |
| | MOSLEY CREEK | 0535410000 | |
| | STONYTON CREEK | 0535[illegible]0000 | NST1 NST2 |
| | SOUTHWEST CREEK | 0535[illegible]0000 | NS21 |
| | FALLING CREEK | 0535[illegible]0000 | NFA1 NFA2 |
| | WHITLEYS CREEK | 0535[illegible]0000 | |
| | SQUIRREL CREEK | 0535[illegible]0000 | |
| | BEAR CREEK | 0535[illegible]0000 | NBE1 |
| | WALNUT CREEK | 0535[illegible]0000 | NWA1 |
| | SLEEPY CREEK | 0535[illegible]0000 | |
| | CABIN BRANCH | 0535[illegible]0000 | |
| | FELLOWS BRANCH | 0535[illegible]0000 | |
| | CARROWAY CREEK | 0535520000 | |
| | POPLAR BRANCH | 0535[illegible]0000 | |
| | LITTLE RIVER | 0535540000 | NLI1-NLI4 |
| | BEAVERDAM CREEK | 0535[illegible]0000 | NBD1 |
| | HALFMILE BRANCH | 0535[illegible]0000 | |
| | BAWDY CREEK | 0535[illegible]0000 | |
| | FALLING CREEK (GRANTHAM QUAD.) | 0535[illegible]0000 | NFC1 |
| | MOCCASIN CREEK | 0535[illegible]0000 | |
| | MILL CREEK | 0535[illegible]0000 | NMI1-NMI4 |
| | HANNAH CREEK | 0535600100 | NMI5 |
| | RACCOON SWAMP | 0535[illegible]0000 | |
| | GAR GUT | 0535620000 | |
| | POLECAT BRANCH | 0535630000 | |
| | BLACK CREEK | 0535640000 | NBL1 |
| | ARTERS BRANCH | 0535[illegible]0000 | |
| | MIDDLE CREEK | 0535[illegible]0000 | NMD1 |
| | SWIFT CREEK | 0535[illegible]0100 | NMD2 |
| THE NARROWS | | 0536000000 | |
| WEST BAY | | 0537000000 | J30 J31 M17-M19 S41 |
| | NEWSTUMP BAY POINT | 0537010000 | |
| | TUMP ISLAND | 0537020000 | |
| | LONG BAY | 0537030000 | J1 J3 S29 S31 S32 S35 S37 |
| | FOR CREEK | 0537030100 | J2 |
| | GOLDEN CREEK | 0537030200 | CC9 S30 |
| | STUMP BAY | 0537030300 | |
| | WEST THOROFARE BAY | 0537[illegible]0000 | J11 J12 S36 S34 |
| | CODDUGGEN CREEK | 0537040100 | J10 S33 |
| | THOROFARE CANAL | 0537[illegible]0200 | |
| | MERKLE BAY | 0537050000 | J13 |
| | NORTH BAY | 0537[illegible]0000 | J20 J21 |
| | MEREDITH BAY | 0537[illegible]0000 | |
| SOUND BAY | | 0538[illegible]0000 | |
| CORE SOUND | | 0600000000 | S2 |
| AREAS WITHIN CORE SOUND PROPER | | 0600000000 | S2 |
| | WAINWRIGHT ISLAND | 0600010000 | |
| | WAINWRIGHT'S SLOUGH | 0600020000 | |
| | SHELL COVE | 0600030000 | |
| | HALL POINT | 0600040000 | |
| | YELLOW SHOAL | 0600[illegible]0000 | |
| | DAVIS ISLAND | 0600[illegible]0000 | |
| | MULLET SHOAL | 0600070000 | |
| | DAVIS SHORE CHANNEL | 0600[illegible]0000 | 71 |
| | CORE SOUND CHANNEL | 0600[illegible]0000 | 82 |
| MAINLAND AREAS OF CORE SOUND | | 0601000000 | S50 S48 |

| WATER | CODE | STATIONS |
|---|---|---|
| CEDAR ISLAND BAY | 0601[illegible]0000 | 91 94 CC3 S52 S51 |
| BACK BAY | 0601[illegible]0100 | |
| GREAT DITCH | 0601[illegible]0101 | 92 |
| LEWIS CREEK | 0601[illegible]0000 | S49 |
| SOUTHWEST PRONG | 0601[illegible]0100 | CC11 |
| RUMLEY BAY | 0601[illegible]0000 | |
| EAST THOROFARE BAY | 0601[illegible]0000 | S45 S46 S47 |
| BARRY BAY | 0601[illegible]0100 | S42 S43 |
| E. THOROFARE CK(MERKLE HAMMOCK) | 0601[illegible]0200 | CC10 S44 |
| CEDAR CREEK | 0601050000 | |
| STYRON BAY | 0601[illegible]0000 | |
| GLOVER CREEK | 0601[illegible]0000 | |
| NELSON BAY | 0601[illegible]0000 | 91 S12 |
| FULCHERS CREEK | 0601[illegible]0100 | |
| LEWIS CREEK | 0601[illegible]0200 | |
| WILLIS CREEK | 0601[illegible]0300 | S17 |
| SALTERS CREEK | 0601[illegible]0400 | CC8 |
| LONG BAY - NELSON BAY CHANNEL | 0601[illegible]0500 | |
| BROAD CREEK | 0601070000 | |
| BRETT BAY | 0601[illegible]0000 | |
| OYSTER CREEK | 0601110000 | CC7 S15 |
| SPIT BAY | 0601120000 | |
| JARRETTS BAY | 0601[illegible]0000 | CC14 CC19 72 S12 S13 |
| SMYRNA CREEK | 0601130100 | CC6 |
| GREAT CREEK | 0601[illegible]0200 | |
| DUTCH COVE | 0601[illegible]0300 | |
| SALTER CREEK | 0601[illegible]0400 | |
| HOLLAND CREEK | 0601[illegible]0500 | |
| WILLISTON CREEK | 0601[illegible]0600 | |
| WADE CREEK | 0601[illegible]0700 | |
| MIDDINS CREEK | 0601140000 | 73 |
| JUMP RUN | 0601[illegible]0100 | |
| TUSK CREEK | 0601[illegible]0200 | |
| GREAT MARSH CREEK | 0601150000 | |
| STRAITS | 0601[illegible]0000 | 53 S1 |
| WEST MOUTH BAY | 0601160100 | 52 |
| EAST MOUTH BAY | 0601160200 | |
| SLEEPY CREEK | 0601[illegible]0300 | 51 |
| WHITEHURST CREEK | 0601[illegible]0400 | |
| STRAITS CHANNEL | 0601[illegible]0500 | |
| HARKER'S POINT CHANNEL | 0601[illegible]0600 | 51 |
| CORE BANKS AREAS OF CORE SOUND | 0602[illegible]0000 | CB1-CB6 CB8 CB14-CB16 CB19 CB21 CB23 CB27 CB28 |
| CORE BANKS AREAS OF CORE SOUND | 0602[illegible]0000 | CB28S S11 S14 S16 S18 16 17 20 |
| DRUM INLET | 0602[illegible]0000 | CB7 |
| GUN CLUB | 0602[illegible]0000 | CB9 CB10 19 |
| SWASH INLET | 0602[illegible]0000 | |
| GREAT ISLAND CREEK | 0602[illegible]0000 | |
| GREAT ISLAND BAY | 0602[illegible]0000 | 18 CB12 CB13 |
| JOHNSON CREEK (HAMMOCK) | 0602[illegible]0000 | |
| LEWIS CREEK | 0602[illegible]0000 | CB20 |
| CODDS CREEK | 0602[illegible]0000 | |
| HOG PEN BAY | 0602[illegible]0000 | CB26 |
| BARDEN INLET | 0602[illegible]0000 | 66 |
| WHITEHURST ISLAND | 0602[illegible]0000 | 62 15 |
| CORE BANKS FLATS | 0602[illegible]0000 | 91 |
| HORSEPEN PT.(BAY) | 0602[illegible]0000 | CB17 |

| WATER | CODE | STATIONS |
|---|---|---|
| HORSEPEN CREEK | 0402140100 | CB18 |
| HORSE ISLAND CREEK | 0402[illegible]0000 | CB11 |
| MULLET COVE | 0402[illegible]0000 | CB22 |
| SHEEP PEN CREEK | [illegible]0000 | CB24 CB25 |
| BACK SOUND | 0700000000 | 13 14 63 |
| AREAS WITHIN BACK SOUND PROPER | 0700000000 | 13 14 63 |
| MIDDLE MARSHES | 0700[illegible]0000 | |
| SHELL POINT | 0700[illegible]0000 | 21 |
| BANKS BAY | 0701[illegible]0000 | |
| NORTH RIVER | 0702000000 | C10 |
| AREAS WITHIN NORTH RIVER PROPER | 0702[illegible]0000 | C10 |
| NORTH RIVER MARSHES | 0702[illegible]100 | |
| NORTH RIVER NARROWS | 0702[illegible]200 | CC5 |
| NORTH RIVER BELOW BRIDGE | 0702[illegible]300 | 46 59 |
| STEEP POINT CHANNEL | 0702[illegible]400 | 48 |
| SHEEPHEAD MARSH | 0702[illegible]500 | 12 |
| TURNER CREEK | 0702[illegible]0000 | |
| GOOSE BAY | 0702[illegible]0000 | |
| WARD CREEK | 0702[illegible]0000 | 47 |
| NORTH LEOPARD CREEK | 0702[illegible]100 | |
| SOUTH LEOPARD CREEK | 0702[illegible]200 | |
| UPPER WARD CREEK NARROWS | 0702[illegible]300 | |
| BEAUFORT INLET | 0800[illegible]0000 | |
| NEWPORT RIVER | 0801[illegible]0000 | 24 |
| AREAS WITHIN NEWPORT RIVER PROPER | 0801[illegible]0000 | 24 |
| NEWPORT MARSHES | 0801[illegible]100 | |
| PHILLIPS ISLAND | 0801[illegible]200 | 43 |
| CROSS ROCK | 0801[illegible]300 | CC3 55 |
| ANNIEBELLE ROCK | 0801[illegible]400 | |
| LIMEKILN ROCK | 0801[illegible]500 | |
| BULLS EYE | 0801[illegible]600 | |
| FLAT ROCK | 0801[illegible]700 | |
| UPPER HAMMOCK | 0801[illegible]800 | |
| LOWER HAMMOCK | 0801[illegible]900 | |
| WHITE ROCK | 0801[illegible]1000 | |
| TURTLE ROCK | 0801[illegible]1100 | |
| CRAB POINT THOROFARE | 0801[illegible]1200 | 41 |
| MID NEWPORT RIVER | 0801[illegible]1300 | CC4 44 |
| TAYLOR'S CREEK | 0801[illegible]0000 | |
| CALICO BAY | 0801[illegible]0000 | CC13 |
| CALICO CREEK | 0801030100 | CC12 |
| CRAB POINT BAY | 0801030200 | 41A CC15 |
| HELL GATE CREEK | 0801040000 | |
| WADING CREEK | 0801050000 | |
| RUSSELL CREEK | 0801060000 | |
| CORE CREEK | 0801070000 | |
| WARE CREEK | 0801[illegible]0100 | |
| BELL CREEK | 0801[illegible]0200 | |
| EASTMAN CREEK | 0801[illegible]0300 | |
| OYSTER CREEK | 0801[illegible]0000 | |
| HARLOWE CREEK | 0801[illegible]0000 | 42 |
| BOGUE SOUND | 0900000000 | 8 |
| AREAS WITHIN BOGUE SOUND PROPER | 0900000000 | 8 |
| BURDEN CHANNEL | 0900010000 | 4 22 |
| EMERALD ISLE FERRY CHANNEL | 0900020000 | 5 24 |
| CAT ISLAND | 0900030000 | 9 25 |

| WATER | CODE | STATIONS |
|---|---|---|
| IWW | 0900[illegible] | 27 10 6 |
| DRUM SLOUGH | 0900[illegible] | 11 33 |
| TAR LANDING BAY | 0901[illegible] | 34 |
| HOOP POLE CREEK | 0902[illegible] | 32 |
| PELTIER CREEK | 0903[illegible] | |
| SPOONERS CREEK | 0904[illegible] | 31 |
| GALES CREEK | 0905[illegible] | |
| BROAD CREEK | 0906[illegible] | 26 |
| SANDERS CREEK | 0907[illegible] | |
| GOOSE CREEK | 0908[illegible] | 17 7 |
| ARCHER CREEK | 0909[illegible] | 20 |
| DEER CREEK | 0910[illegible] | 23 |
| BOGUE INLET | 1000[illegible] | 3 21 |
| WHITE OAK RIVER | 1001[illegible] | |
| AREAS WITHIN WHITE OAK RIVER PROPER | 1001[illegible] | |
| WHITE OAK NARROWS | 1001[illegible] | 11 12 CC1 |
| TURNSTAKE | 1001000200 | CC2 |
| OLD SWANSBORO CHANNEL | 1001000300 | 14 |
| DUBLING CREEK | 1001[illegible] | |
| BOAT HOUSE CREEK | 1001[illegible] | |
| PETTIFORD CREEK BAY | 1001[illegible] | |
| PETTIFORD CREEK | 1001[illegible] | 13 |
| STARKEY CREEK | 1001[illegible] | W02 |
| WELLS CREEK | 1001[illegible] | |
| HUNTERS CREEK | 1001[illegible] | |
| SPRING BRANCH | 1001[illegible] | |
| HOLSTON CREEK | 1001[illegible] | |
| HOLLAND MILL CREEK | 1001[illegible] | W01 |
| CARTWHEEL BRANCH | 1001[illegible] | |
| HARGETTS CREEK | 1001[illegible] | |
| BOGUE SOUND TO NEW RIVER INLET | 1100[illegible] | |
| MAINLAND AREAS | 1101[illegible] | BI1-BI3 |
| FOSTER'S BAY | 1101[illegible] | FB1 FB2 |
| QUEEN'S CREEK | 1101[illegible] | QC1-QC10 |
| BEAR CREEK | 1101[illegible] | BC1-BC6 |
| SEASIDE AREAS | 1102[illegible] | B01-B07 |
| HAMMOCK'S BEACH | 1102[illegible] | 2 HB1-HB6 |
| IWW | 1102[illegible] | IWW1-IWW3 |
| NEW RIVER INLET | 1200[illegible] | |
| NEW RIVER | 1201[illegible] | |
| NEW RIVER BELOW 172 BRIDGE | 1201[illegible] | 1 NR9 NR11 NR14 NR38-NR47 |
| SNEADS CREEK | 1201[illegible] | NR10 |
| FANNIE CREEK | 1201[illegible] | NR48 |
| WHEELER CREEK | 1201[illegible] | NR49 |
| ELLIS COVE | 1201[illegible] | |
| JERRET'S POINT | 1201[illegible] | |
| MIDDLE NEW RIVER | 1201[illegible] | |
| STONES BAY | 1201[illegible] | NR8 NR12 NR32-NR34 NR60 NR76 |
| EVERETT CREEK | 1201[illegible] | NR35 |
| STONES CREEK | 1201[illegible] | NR36 |
| MUDDY CREEK | 1201[illegible] | NR37 |
| MILL CREEK | 1201[illegible] | NR13 |
| EASTERN SHORE | 1201[illegible] | |
| WESTERN SHORE | 1201[illegible] | |
| CATFISH POINT | 1201[illegible] | |
| | 1201[illegible] | |

| WATER | CODE | STATIONS |
|---|---|---|
| RIFLE RANGE | 1201120107 | |
| FARNELL BAY | 1201120200 | NR7 NR24 NR27 NR61-NR64 |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | NR6 NR29 |
| [illegible] | [illegible] | NR30 |
| WHITEHURST CREEK | 1201120204 | NR31 |
| MORGAN BAY | 1201120300 | NR22 NR23 NR65-NR68 |
| WALLACE CREEK | 1201120301 | NR20 NR21 |
| LEWIS CREEK | 1201120302 | NR19 |
| CHADWICK BAY | 1201120400 | NR50-NR53 |
| FULLARD CREEK | 1201120401 | NR54 NR55 |
| BIGLINS CREEK | 1201120402 | NR56 NR57 |
| CHARLES CREEK | 1201120403 | NR58 NR59 |
| UPPER NEW RIVER | 1201130000 | |
| NEW RIVER | 1201130100 | NR1-NR3 NR69-NR72 |
| SOUTHWEST CREEK | 1201130200 | NR5 NR18 |
| NORTHEAST CREEK | 1201130300 | NR4 NR16 NR17 NR73-NR75 |
| SCALES CREEK | 1201130301 | NR15 |
| STUMP SOUND (NEW RIVER INLET TO SURF CITY) | 1300000000 | |
| MAINLAND AREAS | 1301000000 | |
| ALLIGATOR BAY | 1301010000 | SSI1 SSI4 SSI5 |
| TURKEY CREEK | 1301020000 | SSI6 SSI7 |
| GOOSE BAY | 1301030000 | SSI8 |
| KING'S CREEK | 1301040000 | SSI12 SSI13 |
| BARLOW CREEK | 1301050000 | SSI9 SSI14 SSI15 |
| WATERS BAY | 1301060000 | SSI10-SSI13 |
| SEASIDE AREAS | 1302000000 | |
| ALLIGATOR BAY | 1302010000 | SS07 SS08 |
| SPICER'S BAY (EVERETT BAY) | 1302020000 | SS01 SS06 SS012 |
| BERMUDA ISLAND BAY | 1302030000 | SS02-SS05 SS09-SS011 |
| IWW | 1303000000 | IWW4-IWW13 |
| TOPSAIL SOUND (SURF CITY TO TOPSAIL INLET) | 1400000000 | |
| MAINLAND AREAS | 1401000000 | TI1-TI10 |
| BISHOP CREEK | 1401010000 | BM1-BM3 |
| VIRGINIA CREEK | 1401020000 | VC1-VC8 |
| MALLARD BAY | 1401030000 | MB1-MB4 |
| OLD TOPSAIL CREEK | 1401040000 | OTC1-OTC6 |
| SEASIDE AREAS | 1402000000 | |
| OLD CHANNEL | 1402010000 | OC1-OC7 |
| TOPSAIL MARSHES | 1402020000 | TS1-TS10 |
| BANK'S CHANNEL | 1402030000 | IC1-IC3 |
| IWW | 1403000000 | IWW14-IWW20 |
| MIDDLE SOUND (TOPSAIL INLET TO MASON'S INLET) | 1500000000 | |
| MAINLAND AREAS | 1501000000 | MS1-MS6 |
| MILL CREEK | 1501010000 | MC1-MC4 |
| FUTCH'S CREEK | 1501020000 | FC1-FC4 |
| PAGE'S CREEK | 1501030000 | PC1-PC10 |
| SEASIDE AREAS | 1502000000 | |
| LEA ISLAND MARSHES | 1502010000 | RI1-RI8 |
| FIGURE EIGHT ISLAND MARSHES | 1502020000 | FE1-FE5 |
| MASON'S CHANNEL | 1502030000 | MA1-MA4 |
| IWW | 1503000000 | IWW21-IWW28 |
| WRIGHTSVILLE SOUND (MASON'S INLET TO MASONBORO INLET) | 1600000000 | |
| MAINLAND AREAS | 1601000000 | WI1-WI6 |
| HOWE CREEK | 1601010000 | HC1-HC3 |
| BRADLEY CREEK | 1601020000 | BR1-BR5 |

| WATER | CODE | STATIONS |
|---|---|---|
| SEASIDE AREAS | 1602000000 | |
| WRIGHTSVILLE MARSHES | 1602010000 | WM1-WM8 |
| WRIGHTSVILLE CHANNELS | 1602020000 | WB1-WB10 |
| IWW | 1603000000 | IWW29-IWW35 |
| MASONBORO SOUND (MASONBORO INLET TO CABBAGE INLET,MARKER#129) | 1700000000 | |
| MAINLAND AREAS | 1701000000 | MC1-MC5 |
| HEWLETT'S CREEK | 1701010000 | HE1-HE5 |
| WHISKEY CREEK | 1701020000 | WC1-WC5 |
| SEASIDE AREAS | 1702000000 | |
| MASONBORO MARSHES | 1702010000 | MM1-MM9 |
| IWW | 1703000000 | IWW36-IWW39 |
| MYRTLE GROVE SOUND | 1800000000 | |
| MAINLAND AREAS | 1801000000 | |
| MAINLAND MARSHES | 1801010000 | MI1-MI9 |
| SEASIDE AREAS | 1802000000 | |
| SEASIDE MARSHES | 1802010000 | MO1-MO9 |
| IWW | 1803000000 | IWW40-IWW46 |
| CAROLINA BEACH YACHT BASIN | 1804000000 | CBY1-CBY4 |
| CAPE FEAR RIVER | 1900000000 | |
| CAPE FEAR RIVER BELOW WILMINGTON | 1901000000 | |
| BALD HEAD AREAS | 1901010000 | |
| BASIN | 1901010100 | CFR38-CFR40 |
| NORTHEAST ARM | 1901010101 | CFR41 CFR42 |
| SECOND BAY | 1901010200 | CFR29 CFR30 CFR43-CFR45 |
| BUZZARD'S BAY | 1901010300 | CFR46 CFR47 |
| BALD HEAD CREEK | 1901010400 | CFR31-CFR33 |
| FISHING CREEK | 1901010500 | CFR28 |
| EAST BEACH CREEK | 1901010600 | CFR25 CFR27 |
| CAPE CREEK | 1901010700 | CFR22-CFR24 |
| BAY CREEK | 1901010800 | CFR18-CFR21 |
| DEEP CREEK | 1901010900 | CFR15-CFR17 |
| CEDAR CREEK | 1901011000 | CFR14 CFR19 |
| MUDDY SLOUGH | 1901011100 | CFR34-CFR37 |
| SOUTHPORT AREAS | 1901020000 | |
| WALDEN CREEK | 1901020100 | CFR12 CFR49 |
| NANCY'S CREEK | 1901020101 | CFR48 |
| ELIZABETH RIVER | 1901020200 | CFR50-CFR52 |
| DUTCHMAN CREEK | 1901020300 | CFR53-CFR55 |
| CP&L DISCHARGE CANAL | 1901020400 | CFR56-CFR58 |
| CP&L INTAKE CANAL | 1901020500 | CFR59-CFR62 |
| BEAVERDAM CREEK | 1901020600 | BD1 |
| CAPE FEAR RIVER BAYS | 1901030000 | |
| SOUTH OF SNOW'S CUT | 1901030100 | CFR8 CFR10-CFR12 CFR63-CFR70 |
| NORTH OF SNOW'S CUT | 1901030200 | CFR4 CFR5 CFR71-CFR80 |
| DREDGED AREAS | 1901040000 | CFR3 CFR6 CFR7 CFR9 CFR81-CFR87 |
| CREEKS | 1901050000 | |
| LILLIPUT CREEK | 1901050100 | CFR88 |
| TOWN CREEK | 1901050200 | CFR89 CFR90 |
| MALLORY CREEK | 1901050300 | CFR91 CFR92 |
| BERNARD CREEK | 1901050400 | CFR93 |
| MOTT CREEK | 1901050500 | CFR94 |
| CAPE FEAR RIVER, WILMINGTON AND ABOVE | 1902000000 | CFR1 |
| POOLS | 1902010000 | |
| POOL 1 | 1902010100 | |
| INDIAN CREEK | 1902010101 | |
| LIVINGSTON CREEK | 1902010102 | |

| WATER | CODE | STATIONS |
|---|---|---|
| POOL 2 | 1902110200 | |
| TURNPOLL CREEK | 1902110201 | |
| POOL 3 | 1902110300 | |
| UPPER POOL | 1902110400 | |
| BRUNSWICK RIVER | 1902120000 | CFR95-CFR99 |
| NORTHEAST CAPE FEAR RIVER | 1902130000 | |
| SMITH CREEK TO LANE FERRY | 1902130100 | CFR2 NE1 NE3 NE5 NE7-NE10 NE20 |
| LANE FERRY TO GROOM'S BRIDGE | 1902130200 | NE21 NE30 |
| GROOM'S BRIDGE TO ABOVE GOSHEN S | 1902130300 | NE31 NE32 NE34-NE39 |
| BLACK RIVER | 1902140000 | |
| BELOW HWY 210 | 1902140100 | |
| LYON CREEK | 1902140101 | |
| MOORES CREEK | 1902140102 | |
| COLLY CREEK | 1902140103 | |
| HWY 210 TO HWY 53 | 1902140200 | |
| SOUTH RIVER | 1902140300 | |
| BELOW HWY 701 | 1902140301 | |
| ABOVE DUNN | 1902140302 | |
| HWY 701 TO DUNN | 1902140303 | |
| HWY 53 TO IVANHOE | 1902140400 | |
| ABOVE IVANHOE | 1902140500 | |
| SIX RUNS CREEK | 1902140501 | |
| YELLOW BANKS TO LOCKWOOD'S FOLLY INLET | 2000000000 | |
| LOCKWOOD'S FOLLY RIVER | 2001000000 | LFR1-LFR20 |
| CROSS ROCK | 2001010000 | |
| SANDSHOAL | 2001020000 | |
| GALLOWAY FLATS | 2001030000 | |
| DRUM SLOUGH | 2001040000 | |
| SPRING BRANCH | 2001050000 | |
| DAVIS CREEK AREA | 2002000000 | DC1-DC6 |
| IWW | 2003000000 | IWW47-IWW52 |
| LOCKWOOD'S FOLLY RIVER TO SHALLOTTE INLET | 2100000000 | |
| SHALLOTTE RIVER | 2101000000 | SR1-SR5 |
| GIBBS CREEK | 2101010000 | GC1-GC4 |
| BOONS ISLAND | 2102000000 | BI1-BI3 |
| SAUCEPAN CREEK | 2103000000 | SC1-SC5 |
| IWW | 2104000000 | IWW53-IWW61 |
| SHALLOTTE INLET TO LITTLE RIVER INLET | 2200000000 | |
| TUBB'S INLET | 2201000000 | TU1-TU6 |
| EASTERN CHANNEL | 2201010000 | EC1-EC5 |
| SOLS CREEK | 2201010100 | SC1 SC2 |
| SUNSET BEACH | 2202000000 | |
| CAUSEWAY DITCH | 2202010000 | SB1 SB7 |
| FOX CREEK | 2202020000 | SB4 SB12 |
| BLANE CREEK | 2202030000 | SB5 SB13 SB14 |
| SALTBOILER CREEK | 2202040000 | SB2 SB8 SB9 |
| BONAPARTE CREEK | 2202050000 | SB3 SB10 SB11 |
| DEAD RIVER | 2202060000 | SB6 SB15-SB17 |
| LITTLE RIVER | 2203000000 | LR1-LR3 |
| CALABASH CREEK | 2203010000 | CR1-CR5 |
| OLD CHANNEL | 2204000000 | OL1-OL3 |
| IWW | 2205000000 | IWW62-IWW71 |
| BRICKS LANDING | 2206000000 | |
| CHESAPEAKE BAY | 5000000000 | |
| AREAS WITHIN CHESAPEAKE BAY PROPER | 5000000000 | |
| BELOW THE BAY BRIDGE TUNNEL | 5000010000 | |

| WATER | CODE | STATIONS |
|---|---|---|
| BAY BRIDGE TUNNEL TO VA/MD LINE | 5000020000 | |
| VA/MD LINE TO BAY BRIDGE | 5000030000 | |
| ABOVE BAY BRIDGE | 5000040000 | |
| LYNNHAVEN BAY | 5001000000 | |
| BROAD BAY | 5001010000 | |
| LITTLE CREEK | 5002000000 | |
| JAMES RIVER | 5003000000 | |
| BACK RIVER | 5004000000 | |
| YORK RIVER | 5007000000 | |
| MOBJACK BAY | 5008000000 | |
| HORN HARBOR | 5009000000 | |
| PIANKATANK RIVER | 5015000000 | |
| RAPPAHANNOCK RIVER | 5016000000 | |
| FLEETS BAY | 5017000000 | |
| DIVIDING CREEK | 5018000000 | |
| INGRAM BAY | 5019000000 | |
| LITTLE WICOMICO RIVER | 5020000000 | |
| POTOMAC RIVER | 5025000000 | |
| PATUXENT RIVER | 5026000000 | |
| HERRING BAY | 5027000000 | |
| SOUTH RIVER | 5028000000 | |
| SEVERN RIVER | 5029000000 | |
| MAGOTHY RIVER | 5030000000 | |
| PATAPSCO RIVER | 5032000000 | |
| BACK RIVER | 5034000000 | |
| MIDDLE RIVER | 5037000000 | |
| SENECA CREEK | 5038000000 | |
| SALTPETER CREEK | 5039000000 | |
| GUNPOWDER RIVER | 5040000000 | |
| BUSH RIVER | 5041000000 | |
| ROMNEY CREEK | 5042000000 | |
| ? | 5043000000 | |
| SUSQUEHANA RIVER | 5042010000 | |
| NORTHEAST RIVER | 5043020000 | |
| ELK RIVER | 5050000000 | |
| CHESAPEAKE AND DELAWARE CANAL | 5050010000 | |
| BOHEMIA RIVER | 5050020000 | |
| SASSAFRAS RIVER | 5051000000 | |
| STILL POND | 5052000000 | |
| WORTON CREEK | 5053000000 | |
| FAIRLEE CREEK | 5054000000 | |
| SWAN CREEK | 5055000000 | |
| CHESTER RIVER | 5056000000 | |
| EASTERN BAY | 5057000000 | |
| CHOPTANK RIVER | 5058000000 | |
| TRIPPE BAY | 5059000000 | |
| LITTLE CHOPTANK RIVER | 5061000000 | |
| TAR BAY | 5062000000 | |
| TANGIER SOUND | 5063000000 | |
| FISHING BAY | 5063010000 | |
| NANTICOKE RIVER | 5066020000 | |
| MONIE BAY | 5066030000 | |
| WICOMICO RIVER | 5066030100 | |
| MANOKIN RIVER | 5066040000 | |
| BIG ANNEMESSEX RIVER | 5066050000 | |
| LITTLE ANNEMESSEX RIVER | 5066060000 | |

| WATER | CODE | STATIONS |
|---|---|---|
| POCOMOKE SOUND | 5067[illegible]000 | |
| CHESCONNESEX CREEK | 5068[illegible]0000 | |
| ONANCOCK CREEK | 5081[illegible]0000 | |
| MATCHOTANK CREEK | 5082[illegible]0000 | |
| PUNGOTE CREEK | 5087[illegible]0000 | |
| NANDUA CREEK | 5087[illegible]00000 | |
| CRADDOCK CREEK | 5088[illegible]0000 | |
| OCCOHANNOCK CREEK | 5089[illegible]0000 | |
| NASSAWADOX CREEK | 5087000000 | |
| HUNGAR CREEK | 5086[illegible]0000 | |
| MATTODWOMAN CREEK | 5086[illegible]0000 | |
| THE GULF | 5092[illegible]0000 | |
| CHERRYSTONE INLET | 5091[illegible]0000 | |
| OLD PLANTATION CREEK | 5090[illegible]0000 | |
| DELAWARE BAY | 6000000000 | |

# APPENDIX C: GEAR CODES

Due to common usage, English units should be used for descriptive parameters unless metric units are specified for the gear (e.g. plankton nets). Mesh size must be in bar units not stretch units and reflect the opening in the mesh.

The presence or absence of such things as cull rings will be denoted as a zero if not present and the number one if present.

Bait can be classified as follows; specific codes can be added later.

A. natural, unclassified
B. unnatural, unclassified

| CODE | GEAR | DESCRIPTIVE PARAMETERS |
|---|---|---|
| 100 | fixed gear, unclassified | |
| 110 | traps and pots, unclassified | |
| 111 | crab pot, unclassified | number of culling rings, size of culling rings |
| 112 | crab pot, with outside cage | number of culling rings size of culling rings |
| 114 | eel pot, unclassified | size, mesh, bait |
| 115 | eel pot, cylindrical | size, mesh, bait |
| 116 | eel pot, rectangular | size, mesh, bait |
| 117 | catfish pot | size, mesh, bait |
| 118 | fish trap | size, funnel size, number of pots |
| 119 | lobster trap | size, , bait |
| 120 | shrimp traps | size, mesh, bait |
| 130 | pound net | length of lead, pound mesh size, number of pounds |
| 135 | fyke net | length of lead, mesh size, funnel size |
| 140 | hoop net | hoop size, mesh size, funnel size |

APPENDIX C (continued)

| CODE | GEAR | DESCRIPTIVE PARAMETERS |
|---|---|---|
| 150 | channel net | headrope length, body mesh size, bag mesh size |
| 200 | gill net, unclassified | length, mesh size, depth |
| 210 | 150 ft. floating, drifting, monofilament gill net, with 3 panels of varying mesh size | mesh size of: panel 1, panel 2, panel 3 |
| 211 | 150 ft. floating, anchored, monofilament gill net with 3 panels of varying mesh size | mesh size of panel 1, panel 2, panel 3 |
| 212 | monofilament gill net floating anchored with variable length panels of variable mesh size | length, number of panels, depth |
| 213 | experimental gill net | length, min. mesh size, max. mesh size |
| 220 | monofilament gill net sink, anchored | length, mesh size, depth |
| 222 | multifilament gill net, sink, anchored | length, mesh size, depth |
| 230 | monofilament gill net, floating, drifting | length, mesh size, depth |
| 232 | multifilament gill net, floating, drifing | length, mesh size, depth |
| 240 | monofilament gill net sink, drifing | length, mesh size, depth |
| 242 | multifilament gill net, sink, drifting | length, mesh size, depth |
| 245 | monofilament gill net, floating, anchored | length, mesh size, depth |
| 247 | multifilament gill net, floating, anchored | length, mesh size, depth |
| 250 | drop net | length, mesh size, depth |

APPENDIX C (continued)

| CODE | GEAR | DESCRIPTIVE PARAMETERS |
|---|---|---|
| 260 | trammel net | length, mesh size of outer panels, mesh size of inner panels |
| 300 | seines, unclassified | Those seines with bags of different mesh sizes than the bodies must be given separate gear codes based on bag mesh size |
| 310 | bag seines | length, mesh, depth |
| 311 | knitted bag seine, bag mesh size = 1/8 inch | length, mesh, depth |
| 320 | haul seine | length, mesh, depth |
| 330 | flat seine | length, mesh, depth |
| 340 | beach seine | length, mesh, depth |
| 351 | Division's long haul | length, wing net mesh size, back net mesh size |
| 352 | commercial long haul | length, wing net mesh size, back net mesh size |
| 353 | swipe net | length, wing net mesh size, back net mesh size |
| 360 | purse seine | length, depth mesh |
| 371 | cast nets | size (spread diameter) mesh, amount of weight |
| 380 | herring basket (dipnet) | size, mesh |
| 382 | bow net | size, mesh |
| 384 | fight net | size, mesh |
| 386 | lift net | size, mesh |
| 400 | lines, unclassified | length, no. of hooks, bait |
| 410 | long line, unclassified | length, no. of hooks, bait |
| 411 | long line, surface | length, no. of hooks, bait |
| 412 | deep line (bottom) | length, no. of hooks, bait |

APPENDIX C (continued)

| | | |
|---|---|---|
| 413 | vertical drift line | length, no. of hooks, bait |
| 415 | trotline | length, no. of hooks, bait |
| 420 | hook and line, unclassified | depth of hook, number of lines fished, bait |
| 421 | float fishing | depth of hook, number of lines fished, bait |
| 422 | trolling | depth of hook, number of lines fished, bait |
| 423 | midwater fishing | depth of hook, number of lines fished, bait |
| 424 | bottom fishing | number of hooks, number of lines fished, bait |
| 440 | handline | depth of hook, number of lines fished, bait |
| 500 | trawl, unclassified | headrope length, body mesh size tailbag mesh size |
| 510 | balloon trawl, unclassified | headrope length, body mesh size tailbag mesh size |
| 515 | DAN MOORE midwater trawl | headrope length, body mesh size tailbag mesh size |
| 530 | semi-balloon trawl unclassified | headrope length, body mesh size tailbag mesh size |
| 531 | Carolina wing trawl | headrope length, body mesh size tailbag mesh size |
| 532 | commercial flynet | headrope length, body mesh size tailbag mesh size |
| 534 | Irish 3-bridle trawl | headrope length, body mesh size tailbag mesh size |
| 535 | NCSU semi-balloon trawl | headrope length, body mesh size tailbag mesh size |
| 536 | Division's semi-balloon trawl | headrope length, body mesh size tailbag mesh size |

APPENDIX C (continued)

| CODE | GEAR | DESCRIPTIVE PARAMETERS |
|---|---|---|
| 538 | Cobb trawl | headrope length, body mesh size tailbag mesh size |
| 550 | flat trawl, unclassified | headrope length, body mesh size tailbag mesh size |
| 552 | Yankee trawl | headrope length, body mesh size tailbag mesh size |
| 553 | offshore flounder trawl | headrope length, body mesh size tailbag mesh size |
| 554 | trynet | headrope length, body mesh size tailbag mesh size |
| 556 | Division's stock assessment trawl, knotted throughout | headrope length, body mesh size tailbag mesh size |
| 558 | heavily chained Division stock assessment trawl | headrope length, body mesh size tailbag mesh size |
| 560 | Division's shrimp trawl (DAN MOORE) | headrope length, body mesh size tailbag mesh size |
| 570 | commercial shrimp trawl | headrope length, body mesh size tailbag mesh size |
| 572 | commercial scallop trawl | headrope length, body mesh size tailbag mesh size |
| 574 | commercial crab trawl | headrope length, body mesh size tailbag mesh size |
| 575 | commercial peeler crab trawl | headrope length, body mesh size tailbag mesh size |

Gear codes in the 600 series will use metric units to describe gear parameters.

| | | |
|---|---|---|
| 600 | plankton net, unclassified | opening diameter, mesh size depth fished |
| 605 | standard conical plankton net | opening diameter, mesh size depth fished |
| 610 | Wisconsin plankton net | opening diameter, mesh size, depth fished |

APPENDIX C (continued)

| CODE | GEAR | DESCRIPTIVE PARAMETERS |
|---|---|---|
| 620 | Juday plankton trap | opening diameter, mesh size, depth fished |
| 630 | bongo net | opening diameter, mesh size, depth fished |
| 640 | Clarke Bumpus | opening diameter, mesh size, depth fished |
| 645 | Tucker trawl | opening diameter, mesh size, depth fished |
| 650 | Neuston net | opening diameter, mesh size, depth fished |
| 700 | dredge or grab, unclassified | width, mesh size, weight |
| 713 | scallop dredge (can be towed only one way) | width, mesh size, weight |
| 715 | tumbler dredge | width, mesh size, weight |
| 720 | Quahog dredge (Fall R.) | size, teeth number, weight |
| 730 | Peterson grab | size |
| 740 | Eckman dredge | size |
| 745 | scrape | size, mesh size |
| 746 | suction pump | head size, bag mesh size |
| 750 | hydraulic gear, unclassified | |
| 754 | oyster dredge | length of toothbar, weight |
| 758 | escalator dredge, clam head | |
| 762 | escalator dredge, seed oyster harvester | |
| 766 | patent tongs | length of toothbar |

APPENDIX C (continued)

| CODE | GEAR | DESCRIPTIVE PARAMETERS |
|---|---|---|
| 770 | inboard clam kicker with clam net | headrope length, boat draft |
| 771 | outboard clam kicker | headrope length, boat draft |
| 800 | hand gear, unclassified | |
| 805 | hand harvest | |
| 810 | rake, unclassified | |
| 811 | Jersey rake | |
| 812 | pea digger rake | |
| 815 | bull rake | toothbar length, teeth number |
| 820 | basket rake | |
| 830 | hand tongs | |
| 835 | gig | |
| Miscellaneous gear | | |
| 911 | ichthyocides | |
| 912 | explosives | |
| 920 | night light | |
| 925 | camera | |
| 926 | diver observations and/or collections | |
| 927 | spear gun | |
| 940 | electric shocker | voltage out, pulse width, frequency |
| 950 | submersible | |
| 960 | fish wheel | basket size |
| 999 | unknown | |

# APPENDIX D: BOTTOM TYPES

All the programs except Dan Moore will use the first column to denote sediment size and the second to denote bottom composition.

Column 80: Sediment Size

Size definitions:

| category | size (mm) |
|---|---|
| 1. gravel | 4-64 |
| 2. coarse sand | 1/2-4 |
| 3. fine sand | 1/16-1/2 |
| 4. coarse silt | 1/64-1/16 |
| 5. "clay" | 1/4096-1/64 |

The primary sediment size should denote the modal class of sediments according to Ingram (1965). The secondary sediment size should include those sizes in large enough amounts to affect the main name of the sediment. If actual sediment sizes are recorded, use the following codes.

Primary sediment size: Secondary sediment size

A. gravel
B. gravel:coarse sand
C. gravel:fine sand
D. gravel:coarse silt
E. gravel:clay
F. coarse sand
G. coarse sand:gravel
H. coarse sand:fine sand
I. coarse sand:coarse silt
J. coarse sand:clay
K. fine sand
L. fine sand:gravel
M. fine sand:coarse sand
N. fine sand:coarse silt
O. fine sand:clay
P. coarse silt
Q. coarse silt:gravel
R. coarse silt:coarse sand
S. coarse silt:fine sand
T. coarse silt:clay
U. clay
V. clay:gravel
W. clay:coarse sand
X. clay:fine sand
Y. clay:coarse silt

APPENDIX D (continued)

If the sediment size is determined in the field or not quantified, alternate sediment size codes should be used.

0. cemented hard bottom or rock
1. hard sand
2. soft mud
3. hard mud
4. clay
5. silt
6. muddy sand
7. sandy mud
8. sand
9. mud

Column 81: Bottom Composition

The following codes will be used to denote the general bottom composition (excluding the size of the sediments).

A. shell
B. grass
C. algae
D. detritus
E. sponge
F. coral
G. shell, grass
H. grass, algae
I. shell, grass, algae
J. shell, algae
K. grass, detritus
L. grass, algae, detritus
M. shell, detritus
N. cinder

The Dan Moore programs will continue using their codes in columns 80 and 81. They are:

BD boulders
CL clay
CO coral
GL gravel
GR grass
MD mud
ML marl
OZ ooze
RK rock
SA sand
SH shell
SP sponge

# APPENDIX E: WATER LEVEL OR SEA STATE

**Tides-lunar**

**A.** early ebb
**B.** mid ebb
**C.** late ebb
**D.** ebb slack
**E.** early flood
**F.** late flood
**G.** mid flood
**H.** flood slack
**X.** ebb (low)
**Y.** flood (high)
**Z.** slack

**Wind Tides and River Stage**

**I.** high
**J.** normal
**K.** low
**L.** flood
**M.** ice

**Sea State - Beaufort Scale (probable wave height, in feet, given in parentheses). Record the chop, not swell, when chop occurs.**

**N.** sea like mirror (0)
**O.** ripples with appearance of scales; no foam crests (1/4)
**P.** small wavelets, crests of glassy appearance, not breaking (1/2)
**Q.** large wavelets, crests begin to break, scattered whitecaps (2)
**R.** small waves, becoming longer, numerous whitecaps (4)
**S.** moderate waves, taking longer form, many whitecaps (6)
**T.** larger waves forming, whitecaps everywhere, more spray (10)
**U.** moderate swell

# APPENDIX F: ALTERATION STATE AND ALLOWED FISHING ACTIVITY

ALTERATION STATE

1. no alteration
2. closed due to pollution
3. channelized
4. channelized and closed due to pollution
5. sample site unaltered but alterations in nearby environment could affect site.

ALLOWED FISHING ACTIVITY - record by most severe bottom disturbing activity

A. no commercial fishing activity allowed
B. crab or shrimp trawling allowed
C. dredging allowed
D. hydraulic dredging or clam trawling, kicking allowed
E. trawling, dredging, non bottom disturbing activities allowed
F. trawling and hydraulic dredging allowed
G. dredging and hydraulic dredging allowed
H. all fishing activities allowed
I. non bottom disturbing fishing activities allowed
J. all activities except trawling, hydraulic dredging allowed, clam kicking allowed.

## APPENDIX G: SPECIES CODES

The following are the National Oceanic Data Center (NODC) codes. Many freshwater species are not listed but a request has been made to assign codes to these species. Should you collect a species without a code leave the species code field blank to be filled in when a code is assigned.

Please note that the Chondrichthyes taxa have been given the same first order code as the lower Osteichthyes (87). Record Chondrichthyes (8701-8716) as 9701-9716.

Do not assign codes to any unlisted species. The purpose of using NODC codes is for national standardization. We will request unlisted codes from the NODC.

***** VERTEBRATA *****

***** CHONDRICHTHYES ****
***** OSTEICHTHYES *****

| | | |
|---|---|---|
| ALEWIFE | 8747010105 | ALOSA PSEUDOHARENGUS |
| AMBERJACKS | 8835280800 | SERIOLA |
| AMBERJACK, GREATER | 8835280801 | SERIOLA DUMERILI |
| ANCHOVIES | 8747020200 | ANCHOA |
| ANCHOVY, BAY | 8747020202 | ANCHOA MITCHILLI |
| ANCHOVY, STRIPED | 8747020201 | ANCHOA HEPSETUS |
| BARBFISH | 8826010605 | SCORPAENA BRASILIENSIS |
| BARRACUDAS | 8837010100 | SPHYRAENA |
| BARRACUDA, GREAT | 8837010104 | SPHYRAENA BARRACUDA |
| BARRELFISH | 8851010201 | HYPEROGLYPHE PERCIFORMIS |
| BASS, LARGEMOUTH | 8835160602 | MICROPTERUS SALMOIDES |
| BASS, STRIPED | 8835020102 | MORONE SAXATALIS |
| BASS, YELLOWFIN | 8835020702 | ANTHIAS NICHOLSI |
| BIGEYES | 8835170100 | PRIACANTHUS |
| BIGEYE | 8835170101 | PRIACANTHUS ARENATUS |
| BIGEYE | 8835170201 | PRISTIGENYS ALTA |
| BLENNIES | 8842010000 | BLENNIDAE |
| BLENNY, BAY | 8842010501 | HYPLEUROCHILUS GEMINATUS |
| BLENNY, FEATHER | 8842010201 | HYPSOBLENNIUS HENTZI |
| BLENNY, STRIPED | 8842010301 | CHASMODES BOSQUIANUS |
| BLUEFISH | 8835250101 | POMATOMUS SALTATRIX |
| BLUEGILL | 8835160504 | LEPOMIS MACROCHIRUS |
| BLUE RUNNER | 8835280306 | CARANX CRYSOS |
| BONITA, ATLANTIC | 8850030202 | SARDA SARDA |
| BOWFIN | 8734010101 | AMIA CALVA |
| BULLHEAD, BLACK | 8777020106 | ICTALURUS MELAS |
| BULLHEAD, BROWN | 8777020104 | ICTALURUS NEBULOSUS |
| BULLHEAD, SNAIL | 8777020107 | ICTALURUS BRUNNEUS |
| BULLHEAD, YELLOW | 8777020103 | ICTALURUS NATALIS |
| BUMPER | 8835280401 | CHLOROSCOMBRUS CHRYSURUS |
| BURRFISH, STRIPED | 8841030101 | CHILOMYCTERUS SCHOEPFI |
| BUTTERFISH | 8851030103 | PEPRILUS TRIACANTHUS |
| BUTTERFLYFISHES | 8835550100 | CHAETODON |
| BUTTERFLYFISH, SPOTFIN | 8835550101 | CHAETODON OCELLATUS |
| CARP | 8776010101 | CYPRINUS CARPIO |
| CATFISHES | 8777020000 | ICTALURIDAE |
| CATFISHES | 8777020100 | ICTALURUS |
| CATFISH, BLUE | 8777020102 | ICTALURUS FURCATUS |
| CATFISH, CHANNEL | 8777020105 | ICTALURUS PUNCTATUS |
| CATFISH, HARDHEAD | 8777180202 | ARIUS FELIS |
| CATFISH, WHITE | 8777020101 | ICTALURUS CATUS |
| CHUBSUCKER, CREEK | 8776040302 | ERIMYZON OBLONGUS |
| CHUBSUCKER, LAKE | 8776040301 | ERIMYZON SUCETTA |
| COBIA | 8835260101 | RACHYCENTRON CANADUM |
| COD, ATLANTIC | 8791030402 | GADUS MORHUA |
| CONEY | 8835020802 | EPINEPHELUS(=CEPHALOPHOLIS) FULVUS |
| CORNETFISH, BLUESPOTTED | 8817020101 | FISTULARIA TABACARIA |
| COWFISH, SCRAWLED | 8860030201 | LACTOPHRYS QUADRICORNIS |
| CRAPPIE, BLACK | 8835160702 | POMOXIS NIGROMACULATUS |
| CRAPPIE, WHITE | 8835160701 | POMOXIS ANNULARIS |
| CREOLE-FISH | 8835021701 | PARANTHIAS FURCIFER |
| CROAKER, [illegible]NTIC | 8835440701 | MICROPOGONIAS UNDULATUS |

| | | |
|---|---|---|
| CUSK-EELS | 8792010000 | OPHIDION |
| CUSK-EEL, BANK | 8792010603 | OPHIDION HOLBROOKI |
| CUSK-EEL, CRESTED | 8792010605 | OPHIDION WELSHI |
| CUSK-EEL, STRIPED | 8792010901 | OPHIDION(=RISSOLA) MARGINATUM |
| CUTLASSFISH, ATLANTIC | 8850020101 | TRICHIURUS LEPTURUS |
| DARTERS | 8835200100 | ETHEOSTOMA |
| DARTER, SAWCHEEK | 8835200104 | ETHEOSTOMA SERRIFERUM |
| DARTER, SWAMP | 8835200101 | ETHEOSTOMA FUSIFORME |
| DARTER, TESSELATED | 8835200102 | ETHEOSTOMA OLMSTEDI |
| DOCTORFISH | 8849010102 | ACANTHURUS CHIRURGUS |
| DOGFISH, CHAIN | 9708010204 | SCYLIORHINUS RETIFER |
| DOGFISH, SMOOTH | 9708020401 | MUSTELUS CANIS |
| DOGFISH, SPINY | 9710010201 | SQUALUS ACANTHIAS |
| DOLPHIN | 8835290101 | CORYPHAENA HIPPURUS |
| DRUMS | 8835440000 | SCIAENIDAE |
| DRUM, BLACKBAR N.SP. | 8835441299 | EQUETES(=PAREQUES)N.SP. |
| DRUM, BANDED | 8835440501 | LARIMUS FASCIATUS |
| DRUM, BLACK | 8835440001 | POGONIAS CROMIS |
| DRUM, RED (CHANNEL BASS) | 8835440901 | SCIAENOPS OCELLATUS |
| DRUM, STAR | 8835441001 | STELLIFER LANCEOLATUS |
| EEL, AMERICAN | 8741010101 | ANGUILLA ROSTRATA |
| EEL, CONGER | 8741120101 | CONGER OCEANICUS |
| EEL, SHRIMP | 8741131001 | OPHICHTHUS GOMESI |
| EEL, SPECKLED WORM | 8741130002 | MYROPHIS PUNCTATUS |
| ELOPIFORMS | 8737000000 | ELOPIFORMES |
| FILEFISHES | 8860020000 | BALISTIDAE |
| FILEFISH, ORANGE | 8860020101 | ALUTERUS SCHOEPFI |
| FILEFISH, PLANEHEAD | 8860020301 | MONOCANTHUS HISPIDUS |
| FLIER | 8835160301 | CENTRARCHUS MACROPTERUS |
| FLOUNDERS | 8857000000 | PLEURONECTIODEI |
| FLOUNDERS, LEFTEYE | 8857030000 | BOTHIDAE |
| FLOUNDERS, RIGHTEYE | 8857040000 | PLEURONECTIDAE |
| FLOUNDERS | 8857030300 | PARALICHTHYS |
| FLOUNDER, FOURSPOT | 8857030305 | PARALICHTHYS OBLONGUS |
| FLOUNDER, FRINGED | 8857030201 | ETROPUS CROSSOTUS |
| FLOUNDER, GULF | 8857030302 | PARALICHTHYS ALBIGUTTA |
| FLOUNDER, OCELLATED | 8857030506 | ANCYLOPSETTA QUADROCELLATA |
| FLOUNDER, SOUTHERN | 8857030304 | PARALICHTHYS LETHOSTIGMA |
| FLOUNDER, SUMMER | 8857030301 | PARALICHTHYS DENTATUS |
| FLOUNDER, WINTER | 8857042001 | PSEUDOPLEURONECTES AMERICANUS |
| FLOUNDER, WITCH | 8857040502 | GLYPTOCEPHALUS CYNOGLOSSUS |
| GAG | 8835020501 | MYCTEROPERCA MICROLEPIS |
| GAR, LONGNOSE | 8732010101 | LEPISOSTEUS OSSEUS |
| GOBIES | 8847010000 | GOBIIDAE |
| GOBIES | 8847010500 | GOBIONELLUS |
| GOBY, DARTER | 8847010501 | GOBIONELLUS BOLEOSOMA |
| GOBY, FRESHWATER | 8847010504 | GOBIONELLUS SHUFELDTI |
| GOBY, GREEN | 8847010702 | MICROGOBIUS THALASSINUS |
| GOBY, NAKED | 8847010601 | GOBIOSOMA BOSCI |
| GOBY, SHARPTAIL | 8847010502 | GOBIONELLUS HASTATUS |
| GOOSEFISH | 8786010101 | LOPHIUS AMERICANUS |
| GROUPER, BLACK | 8835020502 | MYCTEROPERCA BONACI |
| GROUPER, MARBLED | 8835020901 | EPINEPHELUS INERMIS |
| GROUPER, SNOWY | 8835020411 | EPINEPHELUS NIVEATUS |
| GROUPER, RED | 8835020408 | EPINEPHELUS MORIO |
| GROUPER, YELLOWFIN | 8835020506 | MYCTEROPERCA VENENOSA |
| GROUPER, YELLOWEDGE | 8835020405 | EPINEPHELUS FLAVOLIMBATUS |
| GROUPER, WARSAW | 8835020410 | EPINEPHELUS NIGRITUS |
| GRUNT, WHITE | 8835400102 | HAEMULON PLUMIERI |
| HAKES | 8791031000 | UROPHYCIS |
| HAKE, CA[redacted]A | 8791031006 | UROPHYCIS EARLII |

| | | |
|---|---|---|
| HAKE, SILVER | 8791040101 | MERLUCCIUS BILINEARIS |
| HAKE, SOUTHERN | 8791031607 | UROPHYCIS FLORIDANA |
| HAKE, SPOTTED | 8791031002 | UROPHYCIS REGIA |
| HAKE, WHITE | 8791031003 | UROPHYCIS TENUIS |
| HALFBEAK | 8803010301 | HYPORHAMPHUS UNIFASCIATUS |
| HARVESTFISH | 8851030106 | PEPRILUS ALEPIDOTUS |
| HERRINGS | 8747010000 | CLUPEIDAE |
| HERRING, ATLANTIC THREAD | 8747010701 | OPISTHONEMA OGLINUM |
| HERRING, BLUEBACK | 8747010102 | ALOSA AESTIVALIS |
| HERRING, RIVER | 8747010100 | ALOSA |
| HERRING, ROUND | 8747010601 | ETRUMEUS TERES |
| HIND, RED | 8835020406 | EPINEPHELUS GUTTATUS |
| HIND, ROCK | 8835020402 | EPINEPHELUS ADSCENSIONIS |
| HIND, SPECKLED | 8835020404 | EPINEPHELUS DRUMMONDHAYI |
| HOGCHOKER | 8858010101 | TRINECTES MACULATUS |
| HOGFISH | 8839010901 | LACHNOLAIMUS MAXIMUS |
| HOGFISH, SPOTFIN | 8839010301 | BODIANUS PULCHELLUS |
| JACKS | 8835280000 | CARANGIDAE |
| JACKS | 8835280300 | CARANX |
| JACK, COTTONMOUTH | 8835281701 | UNAESIS SECUNDA |
| JACK, CREVALLE | 8835280303 | CARANX HIPPOS |
| JACK, HORSE-EYE | 8835280304 | CARANX LATUS |
| JACK, YELLOW | 8835280301 | CARANX BARTHOLOMAEI |
| KILLIFISHES | 8804040000 | CYPRINODONTIDAE |
| KILLIFISHES | 8804040200 | FUNDULUS |
| KILLIFISH, BANDED | 8804040202 | FUNDULUS DIAPHANUS |
| KILLIFISH, MARSH/BAYOU | 8804040201 | FUNDULUS CONFLUENTUS/PULVEREUS |
| KILLIFISH, RAINWATER | 8804040301 | LUCANIA PARVA |
| KILLIFISH, STRIPED | 8804040205 | FUNDULUS MAJALIS |
| KILLIFISH, WACCAMAW | 8804040225 | FUNDULUS WACCAMENSIS |
| KINGFISHES | 8835440600 | MENTICIRRHUS |
| KINGFISH, GULF | 8835440602 | MENTICIRRHUS LITTORALIS |
| KINGFISH, NORTHERN | 8835440603 | MENTICIRRHUS SAXATILIS |
| KINGFISH, SOUTHERN | 8835440601 | MENTICIRRHUS AMERICANUS |
| LADYFISH | 8738010101 | ELOPS SAURUS |
| LEATHERJACKET | 8835280501 | OLIGOPLITES SAURUS |
| LIZARDFISH, INSHORE | 8762020101 | SYNODUS FOETENS |
| LOOKDOWN | 8835280701 | SELENE VOMER |
| MACKERELS | 8850030000 | SCOMBRIDAE |
| MACKERELS | 8850030500 | SCOMBEROMORUS |
| MACKEREL, ATLANTIC | 8850030302 | SCOMBER SCOMBRUS |
| MACKEREL, CHUB | 8850030301 | SCOMBER JAPONICUS |
| MACKEREL, KING | 8850030501 | SCOMBEROMORUS CAVALLA |
| MACKEREL, SPANISH | 8850030502 | SCOMBEROMORUS MACULATUS |
| MADTOMS | 8777020200 | NOTURUS |
| MADTOM, TADPOLE | 8777020201 | NOTURUS GYRINUS |
| MAKO, SHORTFIN | 9707040501 | ISURUS OXYRINCHUS |
| MENHADEN, ATLANTIC | 8747010401 | BREVOORTIA TYRANNUS |
| MIDSHIPMAN, ATLANTIC | 8783010108 | PORICHTHYS PLECTRODON |
| MINNOWS | 8776010000 | CYPRINIDAE |
| MINNOWS | 8776011100 | NOTROPIS |
| MINNOW, EASTERN SILVERY | 8776010501 | HYBOGNATHUS REGIUS |
| MINNOW, SHEEPSHEAD | 8804040101 | CYPRINODON VARIEGATUS |
| MOJARRAS | 8835390000 | GERREIDAE |
| MOJARRA, SPOTFIN | 8835390101 | EUCINOSTOMUS ARGENTEUS |
| MOONFISH, ATLANTIC | 8835281001 | SELENE SETAPINNIS |
| MORAYS | 8741050000 | MURAENIDAE |
| MORAY | 8741050504 | MURAENA ROBUSTA |
| MORAY, RETICULATE | 8741050502 | MURAENA RETIFERA |
| MOSQUITOFISH | 8804080101 | GAMBUSIA AFFINIS |
| MUDMINNOW, EASTERN | 8758020101 | UMBRA PYGMAEA |

| | | |
|---|---|---|
| MULLET, STRIPED | 8836010101 | MUGIL CEPHALUS |
| MULLET, WHITE | 8836010102 | MUGIL CUREMA |
| MUMMICHOG | 8804040203 | FUNDULUS HETEROCLITUS |
| NEEDLEFISHES | 8803020200 | STRONGYLURA |
| NEEDLEFISHES | 8803020300 | TYLOSURUS |
| NEEDLEFISH, ATLANTIC | 8803020201 | STRONGYLURA MARINA |
| OCEAN SURGEON | 8849010101 | ACANTHURUS BAHIANUS |
| PALOMETA | 8835280903 | TRACHINOTUS GOODEI |
| PARROTFISH, REDFIN | 8839030405 | SPARISOMA RUBRIPINNE |
| PERCHES | 8835200000 | PERCIDAE |
| PERCH, PIRATE | 8781010101 | APHREDODERUS SAYANUS |
| PERCH, SAND | 8835021002 | DIPLECTRUM FORMOSUM |
| PERCH, SILVER | 8835440301 | BAIRDIELLA CHRYSURA |
| PERCH, WHITE | 8835020101 | MORONE AMERICANA |
| PERCH, YELLOW | 8835200201 | PERCA FLAVESCENS |
| PERMIT | 8835280902 | TRACHINOTUS FALCATUS |
| PICKEREL | 8758010100 | ESOX |
| PICKEREL, CHAIN | 8758010103 | ESOX NIGER |
| PICKEREL, REDFIN | 8758010102 | ESOX AMERICANUS AMERICANUS |
| PIGFISH | 8835400201 | ORTHOPRISTIS CHRYSOPTERA |
| PINFISH | 8835430201 | LAGODON RHOMBOIDES |
| PINFISH, SPOTTAIL | 8835430401 | DIPLODUS HOLBROOKI |
| PIPEFISHES | 8820020100 | SYNGNATHUS |
| PIPEFISH, CHAIN | 8820020104 | SYNGNATHUS LOUISIANAE |
| PIPEFISH, DUSKY | 8820020102 | SYNGNATHUS FLORIDAE |
| PIPEFISH, NORTHERN | 8820020103 | SYNGNATHUS FUSCUS |
| POLLOCK | 8791030901 | POLLACHIUS VIRENS |
| POMPANO, AFRICAN | 8835280202 | ALECTIS CILARIS |
| POMPANO, FLORIDA | 8835280901 | TRACHINOTUS CAROLINUS |
| POMPANO, IRISH | 8835390201 | DIAPTERUS AURATUS |
| PORGIES | 8835430000 | SPARIDAE |
| PORGIES | 8835430100 | STENOTOMUS |
| PORGY, KNOBBED | 8835430506 | CALAMUS NODOSUS |
| PORGY, LONGSPINE | 8835430102 | STENOTOMUS CAPRINUS |
| PORGY, RED | 8835430601 | PAGRUS PAGRUS |
| PORGY, WHITEBONE | 8835430505 | CALAMUS LEUCOSTEUS |
| PUFFERS | 8861010200 | SPHOEROIDES |
| PUFFER, BANDTAIL | 8861010211 | SPHOEROIDES SPENGLERI |
| PUFFER, NORTHERN | 8861010201 | SPHOEROIDES MACULATUS |
| PUMPKINSEED | 8835160505 | LEPOMIS GIBBOSUS |
| RAY, BULLNOSE | 9713070201 | MYLIOBATIS FREMINVILLEI |
| RAY, COWNOSE | 9713070301 | RHINOPTERA BONASUS |
| RAY, SMOOTH BUTTERFLY | 9713050202 | GYMNURA MICRURA |
| REDHORSE, SHORTHEAD | 8776040401 | MOXOSTOMA MACROLEPIDOTUM |
| REDHORSE, SILVER | 8776040404 | MOXOSTOMA ANISURUM |
| SAND LANCE, AMERICAN | 8845010102 | AMMODYTES AMERICANUS |
| SAND TIGER | 9707030101 | ODONTASPIS TAURUS |
| SCAD, ROUND | 8835281202 | DECAPTERUS PUNCTATUS |
| SCAMP | 8835020505 | MYCTEROPERCA PHENAX |
| SCORPIONFISH, SPINYCHEEK | 8826010402 | NEOMERINTHE HEMINGWAYI |
| SCUP | 8835430101 | STENOTOMUS CHRYSOPS |
| SEA BASSES | 8835020000 | SERRANIDAE |
| SEA BASS, BANK | 8835020304 | CENTROPRISTIS OCYURUS |
| SEA BASS, BLACK | 8835020301 | CENTROPRISTIS STRIATA |
| SEA BASS, ROCK | 8835020305 | CENTROPRISTIS PHILADELPHICA |
| SEAHORSES | 8820020200 | HIPPOCAMPUS |
| SEAHORSES, LINED | 8820020201 | HIPPOCAMPUS ERECTUS |
| SEAROBINS | 8826020100 | PRIONOTUS |
| SEAROBIN, BIGHEAD | 8826020104 | PRIONOTUS TRIBULUS |
| SEAROBIN, BLACKWING | 8826020120 | PRIONOTUS SALMONICOLOR |
| SEAROBIN, LEOPARD | 8826020103 | PRIONOTUS SCITULUS |

| | | |
|---|---|---|
| SEAROBIN, NORTHERN | 8826020101 | PRIONOTUS CAROLINUS |
| SEAROBIN, STRIPED | 8826020102 | PRIONOTUS EVOLANS |
| SEATROUTS | 8835440100 | CYNOSCION |
| SEATROUT, SPOTTED | 8835440102 | CYNOSCION NEBULOSUS |
| SENNET, NORTHERN | 8837010102 | SPHYRAENA BOREALIS |
| SERGEANT MAJOR | 8835620101 | ABUDEFDUF SAXATILIS |
| SHAD, AMERICAN | 8747010101 | ALOSA SAPIDISSIMA |
| SHAD, GIZZARD | 8747010501 | DOROSOMA CEPEDIANUM |
| SHAD, HICKORY | 8747010103 | ALOSA MEDIOCRIS |
| SHAD, THREADFIN | 8747010502 | DOROSOMA PETENENSE |
| SHARKS | 9702000000 | CHONDRICHTHYES ELASMOBRANCHII |
| SHARKS, HAMMERHEAD | 9708030000 | SPHYRNIDAE |
| SHARKS, REQUIEM | 9708020000 | CARCHARHINIDAE |
| SHARKS, REQUIEM | 9708020500 | CARCHARHINUS |
| SHARK, ATLANTIC ANGEL | 9711010102 | SQUATINA DUMERILI |
| SHARK, ATLANTIC SHARPNOSE | 9708020301 | RHIZOPRIONODON TERRAENOVAE |
| SHARK, BLACKTIP | 9708020507 | CARCHARHINUS LIMBATUS |
| SHARK, BULL | 9708020502 | CARCHARHINUS LEUCAS |
| SHARK, FINETOOTH | 9708021001 | ISOGOMPHODON ISODON |
| SHARK, LEMON | 9708020403 | NEGAPRION BREVIROSTRIS |
| SHARK, SANDBAR | 9708020503 | CARCHARHINUS PLUMBEUS (PLUMBEUS) |
| SHARK, SILKY | 9708020506 | CARCHARHINUS FALCIFORMIS |
| SHARK, THRESHER | 9707040401 | ALOPIAS VULPINUS |
| SHARK, TIGER | 9708020201 | GALEOCERDO CUVIERI |
| SHEEPSHEAD | 8835430301 | ARCHOSARGUS PROBATOCEPHALUS |
| SHINER, COASTAL | 8776011185 | NOTROPIS PETERSONI |
| SHINER, DUSKY | 8776011157 | NOTROPIS CUMMINSAE |
| SHINER, GOLDEN | 8776010601 | NOTEMIGONUS CRYSOLEUCAS |
| SHINER, HIGHFIN | 8776011131 | NOTROPIS ALTIPINNIS |
| SHINER, IRONCOLOR | 8776011104 | NOTROPIS CHALYBAEUS |
| SHINER, SATINFIN | 8776011102 | NOTROPIS ANALOSTANUS |
| SHINER, SPOTTAIL | 8776011106 | NOTROPIS HUDSONIUS |
| SHINER, SWALLOWTAIL | 8776011107 | NOTROPIS PROCNE |
| SHINER, TAILLIGHT | 8776011178 | NOTROPIS MACULATUS |
| SILVER JENNY | 8835390102 | EUCINOSTOMUS GULA |
| SILVERSIDES | 8805020000 | ATHERINIDAE |
| SILVERSIDES | 8805020300 | MENIDIA |
| SILVERSIDE, ATLANTIC | 8805020302 | MENIDIA MENIDIA |
| SILVERSIDE, INLAND(TIDEWATER) | 8805020301 | MENIDIA BERYLLINA |
| SILVERSIDE, ROUGH | 8805020201 | MEMBRAS MARTINICA |
| SKATE, CLEARNOSE | 9713040113 | RAJA EGLANTERIA |
| SKATE, ROSETTE | 9713040124 | RAJA GARMANI |
| SKILLETFISH | 8784010102 | GOBIESOX STRUMOSUS |
| SLEEPER, SPINYCHEEK | 8847013703 | ELEOTRIS PISONIS |
| SLIPPERY DICK | 8839010702 | HALICHOERES BIVITTATUS |
| SNAPPERS | 8835360000 | LUTJANIDAE |
| SNAPPERS | 8835360100 | LUTJANUS |
| SNAPPER, BLACKFIN | 8835360106 | LUTJANUS BUCCANELLA |
| SNAPPER, CUBERA | 8835360101 | LUTJANUS CYANOPTERUS |
| SNAPPER, GREY | 8835360102 | LUTJANUS GRISEUS |
| SNAPPER, LANE | 8835360112 | LUTJANUS SYNAGRIS |
| SNAPPER, MUTTON | 8835360103 | LUTJANUS ANALIS |
| SNAPPER, RED | 8835360107 | LUTJANUS CAMPECHANUS |
| SNAPPER, SILK | 8835360113 | LUTJANUS VIVANUS |
| SNAPPER, VERMILLION | 8835360501 | RHOMBOPLITES AURORUBENS |
| SOAPFISHES | 8835030200 | RYPTICUS |
| SPADEFISH, ATLANTIC | 8835520101 | CHAETODIPTERUS FABER |
| SPOT | 8835440401 | LEIOSTOMUS XANTHURUS |
| STARGAZERS | 8840140100 | ASTROSCOPUS |
| STARGAZER, NORTHERN | 8840140101 | ASTROSCOPUS GUTTATUS |
| STARGAZER, SOUTHERN | 8840140102 | ASTROSCOPUS Y-GRAECUM |
| STICKLEBACK, THREESPINE | 8818010101 | GASTEROSTEUS ACULEATUS |

| | | |
|---|---|---|
| STINGRAYS | 9713050000 | DASYATIDAE |
| STINGRAYS | 9713050100 | DASYATIS |
| STINGRAY, ATLANTIC | 9713050105 | DASYATIS SABINA |
| STINGRAY, BLUNTNOSE | 9713050106 | DASYATIS SAYI |
| STINGRAY, ROUGHTAIL | 9713050104 | DASYATIS CENTROURA |
| STINGRAY, SOUTHERN | 9713050103 | DASYATIS AMERICANA |
| STURGEON, ATLANTIC | 8729010105 | ACIPENSER OXYRHYNCHUS |
| SUCKERS | 8776040000 | CATOSTOMIDAE |
| SUCKERS | 8776040406 | MOXOSTOMA |
| SUNFISHES | 8835160000 | CENTRARCHIDAE |
| SUNFISHES | 8835160500 | LEPOMIS |
| SUNFISH, BANDED | 8835160403 | ENNEACANTHUS OBESUS |
| SUNFISH, BLACKBANDED | 8835160401 | ENNEACANTHUS CHAETODON |
| SUNFISH, BLUESPOTTED | 8835160402 | ENNEACANTHUS GLORIOSUS |
| SUNFISH, DOLLAR | 8835160507 | LEPOMIS MARGINATUS |
| SUNFISH, GREEN | 8835160502 | LEPOMIS CYANELLUS |
| SUNFISH, MUD | 8835160101 | ACANTHARCHUS POMOTIS |
| SUNFISH, REDBREASTED | 8835160501 | LEPOMIS AURITUS |
| SUNFISH, REDEAR | 8835160509 | LEPOMIS MICROLOPHUS |
| SWAMPFISH | 8780010101 | CHOLOGASTER CORNUTA |
| TARPON | 8738020201 | MEGALOPS ATLANTICUS |
| TAUTOG | 8839010101 | TAUTOGA ONITIS |
| THREADFIN, ATLANTIC | 8838010101 | POLYDACTYLUS OCTONEMUS |
| TILAPIA, REDBELLY | 8835610405 | TILAPIA ZILLI |
| TILEFISHES | 8835220000 | MALACANTHIDAE |
| TILEFISH | 8835220201 | LOPHOLATILUS CHAMAELEONTICEPS |
| TILEFISH, BLUELINE | 8835220104 | CAULOLATILUS MICROPS |
| TILEFISH, SAND | 8835220301 | MALACANTHUS PLUMIERI |
| TOADFISH, OYSTER | 8703010201 | OPSANUS TAU |
| TOMTATE | 8835400101 | HAEMULON AUROLINEATUM |
| TONGUEFISH, BLACKCHEEK | 8858020101 | SYMPHURUS PLAGIUSA |
| TOPMINNOW, LINED | 8804040218 | FUNDULUS LINEOLATUS |
| TRIGGERFISH, GRAY | 8860020201 | BALISTES CAPRISCUS |
| TRIGGERFISH, QUEEN | 8860020202 | BALISTES VETULA |
| TRIPLETAIL | 8835380101 | LOBOTES SURINAMENSIS |
| TUNA, BLACKFIN | 8850030404 | THUNNUS ATLANTICUS |
| TUNA, SKIPJACK | 8850030101 | EUTHYNNUS PELAMIS |
| TUNA, YELLOWFIN | 8850030403 | THUNNUS ALBACARES |
| TUNNY, LITTLE | 8850030102 | EUTHYNNUS ALLETTERATUS |
| UNIDENTIFIED FISHES | 8735000000 | OSTEICHTHYES TELEOSTEI |
| UNID. FISH, PERCOIDEI | 8835000000 | ACANTHOPT. PERCIFORMES PERCOIDEI |
| WAHOO | 8850030601 | ACANTHOCYBIUM SOLANDERI |
| WARMOUTH | 8835160503 | LEPOMIS GULOSUS |
| WEAKFISH | 8835440104 | CYNOSCION REGALIS |
| WHIFF | 8857030100 | CITHARICHTHYS |
| WHIFF, BAY | 8857030110 | CITHARICHTHYS SPILOPTERUS |
| WHIFF, SPOTTED | 8857030109 | CITHARICHTHYS MACROPS |
| WINDOWPANE | 8857030401 | SCOPHTHALMUS AQUOSUS |

***** REPTILIA *****

| | | |
|---|---|---|
| TURTLES | 9002000000 | REPTILIA ANAPSIDA |
| TURTLE, DIAMONDBACK | 9002030301 | MALACLEMYS TERRAPIN |
| TURTLE, LOGGERHEAD | 9002040101 | CARETTA CARETTA |
| TURTLE, YELLOWBELLY | 9002030405 | CHRYSEMYS SCRIPTA |
| TURTLE, | 9002010101 | CHELYDRA SERPENTINA |

***** INVERTEBRATES *****

***** COELENTERATA *****

| | | |
|---|---|---|
| JELLYFISHES | 3700000000 | CNIDARIA |
| JELLY BOMBS | 3737050101 | STOMOLOPHUS MELEAGRIS |

***** MOLLUCSA *****

| | | |
|---|---|---|
| ARK, BLOOD | 5506010202 | ANADARA OVALIS |
| BIVALVES | 5515000000 | BIVALVIA VENEROIDA |
| BUTTERCUP | 5515010501 | ANODONTIA ALBA |
| CHIONE, CROSS-BARRED | 5515471503 | CHIONE CANCELLATA |
| CLAM, LITTLE SURF(DUCK) | 5515250301 | MULINIA LATERALIS |
| CLAM, SURF | 5515250102 | SPISULA SOLIDISSIMA |
| MACOMA, BALTIC | 5515310116 | MACOMA BALTHICA |
| MOONSHELL, LOBED | 5103760407 | POLINICES DUPLICATUS |
| OCTOPI | 5708010200 | OCTOPUS |
| OCTOPUS, COMMON ATL. | 5708010202 | OCTOPUS VULGARIS |
| OYSTER, COMMON | 5510020102 | CRASSOSTREA VIRGINICA |
| QUAHOG, NORTHERN | 5515471101 | MERCENARIA MERCENARIA |
| QUAHOG, SOUTHERN | 5515471102 | MERCENARIA CAMPECHIENSIS |
| RANGIA,WEDGE | 5515250401 | RANGIA CUNEATA |
| SCALLOP, BAY | 5509050801 | ARGOPECTEN IRRADIANS |
| SCALLOP, CALICO | 5509051201 | ARGOPECTEN GIBBUS |
| SCALLOP, SEA | 5509050901 | PLACOPECTEN MAGELLANICUS |
| SLUGS, EEL GRASS | 5123030100 | ELYSIA |
| SQUIDS | 5700000000 | MOLLUSCA CEPHALOPODA |
| SQUID, ATLANTIC | 5706010102 | LOLIGO PEALII |
| SQUID, NORTHERN,SHORTFIN | 5707150301 | ILEX ILLECEBROSUS |
| SQUID, THUMBSTALL | 5706010201 | LOLLIGUNCULA BREVIS |
| TULIPSHELL, BANDED | 5105090203 | FASCIOLARIA HUNTERIA |
| WHELKS | 5105070100 | BUSYCON |

***** ARTHROPODA *****

| | | |
|---|---|---|
| ARTHROPODA, MEROSTOMATA | 5802000000 | ARTHROPODA MEROSTOMATA |
| CRAB, HORSESHOE | 5802010101 | LIMULUS POLYPHEMUS |

| | | |
|---|---|---|
| ARTHROPODA, CRUSTACEA | 6100000000 | ARTHROPODA CRUSTACEA |
| CRABS | 6189000000 | DECAPODA BRACHYURNYRCA |
| CRAB-CALAPPID | 6186020101 | CALAPPA FLAMMEA |
| CRABS-CANCER | 6188030100 | CANCER |
| CRAB-CANCER, ROCK | 6188030103 | CANCER IRRORATUS |
| CRAB-CANCER, JONAH | 6188030107 | CANCER BOREALIS |
| CRAB-MAJIDAE, CORAL | 6187012501 | MITHRAX HISPIDUS |
| CRABS-MAJIDAE, PENTAGON | 6187020100 | PARTHENOPE |
| CRABS-MAJIDAE, SPIDER | 6187010900 | LIBINIA |
| CRABS-PINNOTHERID, PEA | 6189060700 | PINNOTHERES |
| CRABS-PORTUNID | 6189010000 | PORTUNIDAE |
| CRABS-PORTUNID | 6189010300 | CALLINECTES |
| CRAB-PORTUNID, BLUE | 6189010301 | CALLINECTES SAPIDUS |
| CRAB-PORTUNID, MARGINAL | 6189010305 | CALLINECTES MARGINATUS |
| CRAB-PORTUNID, ORNATE | 6189010304 | CALLINECTES ORNATUS |
| CRAB-PORTUNID | 6189010302 | CALLINECTES SIMILIS |
| CRABS-PORTUNID | 6189010500 | OVALIPES |
| CRAB-PORTUNID, LADY | 6189010502 | OVALIPES OCELLATUS |
| CRABS-PORTUNID | 6189010600 | PORTUNUS |
| CRAB-PORTUNID | 6189010601 | PORTUNUS GIBBESSI |
| CRAB-POR[redacted]D | 6189010602 | PORTUNUS SAYI |

| | | |
|---|---|---|
| CRABS-PORT.,SPINY-HANDED | 6189010604 | PORTUNUS SPINIMANUS |
| CRABS-XANTHID, MUD | 6189020000 | XANTHIDAE |
| CRAB-XANTHID, STONE | 6189021201 | MENIPPE MERCENARIA |
| CRABS-XANTHIDS | 6189020700 | NEOPANOPE |
| CRAB-XANTHID | 6189020701 | NEOPANOPE TEXANA |
| CRABS-XANTHID | 6189020800 | PANOPEUS |
| CRAB-XAN.,HEBST' PANOPEUS | 6189020801 | PANOPEUS HERBSTII |
| CRAYFISHES | 6181020100 | CAMBARUS |
| SHRIMPS-AMPHIPODA | 6160000000 | AMPHIPODA |
| SHRIMP-CARIDEAN, ARROW | 6179161201 | TOZEUMA CAROLINAE |
| SHRIMP-CAR.,FWATER PRAWN | 6179110201 | MACROBRACHIUM OHIONE |
| SHRIMPS-CARIDEAN | 6179160000 | HIPPOLYTIDAE |
| SHRIMPS-CARIDEAN, GRASS | 6179160100 | HIPPOLYTE |
| SHRIMPS-CARIDEAN | 6179220100 | CRANGON |
| SHRIMP-CAR.,(FLATHD)SAND | 6179220103 | CRANGON SEPTEMSPINOSA |
| SHRIMPS-CAR.,(GRASS)SHORE | 6179110300 | PALAEMONETES |
| SHRIMP-CARIDEAN | 6179110301 | PALAEMONETES INTERMEDIUS |
| SHRIMP-CARIDEAN | 6179110303 | PALAEMONETES PUGIO |
| SHRIMP-CARIDEAN | 6179110304 | PALAEMONETES VULGARIS |
| SHRIMP-CARIDEAN | 6179110403 | PERICLIMENES LONGICAUDATUS |
| SHRIMPS-CARIDEAN,SNAPPING | 6179140100 | ALPHEUS |
| SHRIMP-CAR.,BIG CLAW-SNAP | 6179140101 | ALPHEUS HETEROCHAELIS |
| SHRIMPS-MYSIDS | 6153000000 | PERACARIDEA MYSIDACEA MYSIDA |
| SHRIMP-MYSID | 6153011508 | NEOMYSIS AMERICANA |
| SHRIMP-PENAEID, BROWN | 6177010101 | PENAEUS AZTECUS |
| SHRIMP-PENAEID, PINK | 6177010102 | PENAEUS DUORARUM |
| SHRIMP-PENAEID, ROCK | 6177010401 | SICYONIA BREVIROSTRIS |
| SHRIMP-PENAEID, WHITE | 6177010103 | PENAEUS SETIFERUS |
| SHRIMP-PENAEID | 6177020101 | ACETES AMERICANUS |
| SHRIMP-PENAEID | 6177010501 | PARAPENAEUS LONGIROSTRIS |
| SHRIMPS-PENAEID | 6177010100 | PENAEUS |
| SHRIMP-PENAEID | 6177010201 | TRACHYPENEUS CONSTRICTUS |
| SHRIMP-STOMATOPODA,MANTIS | 6191010101 | SQUILLA EMPUSA |

***** ECHINODERMATA *****

| | | |
|---|---|---|
| BRITTLE STARS | 8129040000 | OPHIOTHRICIDAE |
| SEA URCHINS;SAND DOLLARS | 8136000000 | ECHINOIDEA |
| SEA URCHIN, SHORT-SPINED | 8148020101 | LYTECHINUS VARIEGATUS |

# APPENDIX J: TAG CODES

| CODE | DESCRIPTION |
|---|---|
| A. | FT-1 Dart tag |
| B. | FT-2 Dart tag |
| C. | FT-4 Cinch-up spaghetti tag |
| D. | FM-66 Dart tag |
| E. | "Same Reeves Original" Dart tag |
| F. | FD-67 Anchor tag |
| G. | FD-68B and FD-68BC Anchor tag |
| H. | FTSL-73 Shrimp tag |
| I. | FTL-69 Lobster tag |
| J. | FD-67M |
| K. | Carapace tag 1/4 x 1 3/4 inch |
| L. | Floy plastic sleeve on wire |
| M. | Peterson disc on wire |
| N. | Peterson disc 1/2 inch diameter |
| O. | Peterson disc 3/4 inch diameter |
| P. | Carlin disc tag |
| Q. | Biological dyes |

APPENDIX B-2: BIOFORM - 00

There is no layout file for this page as it is a start up page. However, the following information is stored on this page:

| | |
|---|---|
| Autoload "display" default mode | FC |
| Autoload "send" default mode | FX |
| Autoload "print" default mode | FV |
| Number of arithmetic registers | 2 |
| Number of memory cells | 10 |

| Cell | Size | Cell used to store: |
|---|---|---|
| M1 | 2 | YEAR |
| M2 | 5 | COLLECTION NO. |
| M3 | 2 | REPLICATE |
| M4 | 10 | SPECIES |
| M5 | 1 | STATUS |
| M6 | 3 | LINE NUMBER |
| M7 | 2 | AGE |
| M8 | 10 | extra |
| M9 | 10 | extra |
| M10 | 10 | extra |

APPENDIX B-1:

COMM-STOR III CONFIGURATION PARAMETERS USED FOR DATA ENTRY

```
1:  ASCII DATA?  (YES)
2:  SEND EOT AFTER EACH MODEM REQUEST?  (NO)
3:  END OF LINE CHARACTER  ([CR])
4:  SYSTEM TO ADD LINE FEED AFTER CARRIAGE RETURN?  (YES)
5:  LINE FEED CHARACTER  ([LF])
6:  CARRIAGE RETURN CHARACTER FOR SYSTEM MESSAGES  ([CR])
7:  LINE FEED CHARACTER FOR SYSTEM MESSAGES  ([LF])
8:  END OF TEXT CHARACTER  ([ETX])
9:  TRANSMIT "END OF TEXT" CHARACTER?  (NO)
10:  TRANSMIT "END OF TRANSMISSION" CHARACTER?  (NO)
11:  "END OF TRANSMISSION" CHARACTER  ([^D])
12:  "RESET" CHARACTER  ([^T])
13:  SPACE CHARACTER FOR SYSTEM MESSAGES  ( )
14:  FIRST CHARACTER OF ESCAPE SEQUENCE  ([ESC])
15:  PARITY ERROR SYMBOL  (?)
16:  "STOP SEND/START SEND" OPTION  (0)
17:  "STOP SEND" CHARACTER (TO COMPUTER)  ([^S])
18:  "START SEND" CHARACTER (TO COMPUTER)  ([^Q])
19:  "HOLD" CHARACTER (FROM COMPUTER/TERMINAL)  ([^S])
20:  "RESUME" CHARACTER (FROM COMPUTER/TERMINAL)  ([^Q])
21:  OUTPUT NUMERICAL ERROR MESSAGES?  (NO)
22:  SEND ERROR MESSAGES TO MODEM?  (NO)
23:  SPECIAL OUTPUT CHARACTER #1  ([CR])
     PORTS  (NONE)
     DELAY FACTOR/SUBSTITUTION  (1)
24:  SPECIAL OUTPUT CHARACTER #2  ([CR])
     PORTS  (NONE)
     DELAY FACTOR/SUBSTITUTION  (1)
25:  SPECIAL OUTPUT CHARACTER #3  ([CR])
     PORTS  (NONE)
     DELAY FACTOR/SUBSTITUTION  (1)
26:  SPECIAL OUTPUT CHARACTER #4  ([CR])
     PORTS  (NONE)
     DELAY FACTOR/SUBSTITUTION  (1)
27:  "DELETE" CHARACTER ENTERED  ([BS])
28:  "DELETE" CHARACTER ECHOED  ([NULL])
29:  "LINE CANCEL" CHARACTER  ([^X])
30:  NUMBER OF LINES ON PAGE  (23)
31:  STOP DISPLAY AFTER EACH PAGE?  (NO)
32:  SUBSTITUTE TERMINAL PARITY ERRORS WITH ERROR SYMBOL?  (YES)
33:  MODEM OFF-LINE ALERT CHARACTER  ([^G])
34:  INHIBIT ECHO TO TERMINAL?  (NO)
35:  IGNORE "NULL" CHARACTER FROM TERMINAL?  (YES)
36:  TERMINAL "NULL" CHARACTER  ([NULL])
37:  NORMAL TERMINAL DATA
     PARITY - EVEN/ODD/NONE  (EVEN)
     NUMBER OF DATA BITS EXCLUDING PARITY AND
     INCLUDING FIXED BITS (IF ANY)  (7)
38:  BINARY TERMINAL DATA
     PARITY - EVEN/ODD/NONE  (EVEN)
     NUMBER OF DATA BITS EXCLUDING PARITY AND
     INCLUDING FIXED BITS (IF ANY)  (7)
```

CONFIGURATION PARAMETERS

```
39:  TERMINAL INTERFACE CONTROL  (11110)
     40/1 TERMINAL?  (NO)
40:  DOES TERMINAL PROVIDE "DATA TERM READY"?  (NO)
41:  HALF DUPLEX MODEM?  (NO)
42:  **FOR HDX ONLY** TURN AROUND LINE AFTER EVERY CHARACTER?  (YES)
43:  **FOR HDX ONLY** MODEM TURNAROUND CHARACTER  ([CR])
44:  **FOR HDX ONLY** SECONDARY (SUPERVISORY) CHANNEL AVAILABLE?  (NO)
45:  **FOR HDX ONLY** "REQUEST TO SEND" TIMEOUT [MILLISECONDS]  (200)
46:  **FOR HDX ONLY** "SECONDARY CARRIER DROPPED" OPTION  (0)
47:  WAIT AFTER EOL FOR PROMPT OR AFTER ETX FOR ACK?  (NO)
48:  CHARACTER TO INITIATE WAIT PERIOD  ([ETX])
49:  WAIT FOR PROMPT BEFORE STARTING TRANSMISSION?  (NO)
50:  "PROMPT" OR "ACKNOWLEDGE" CHARACTER  ([^F])
51:  "RETRANSMIT FILE" CHARACTER  ([^U])
52:  IGNORE "NULL" CHARACTER FROM MODEM?  (YES)
53:  MODEM "NULL" CHARACTER  ([NULL])
54:  IS ATTACHED INSTRUCTION ECHOED?  (NO)
55:  SUBSTITUTE MODEM PARITY ERRORS WITH ERROR SYMBOL?  (YES)
56:  CHECK FOR MODEM FRAMING ERRORS?  (NO)
57:  INACTIVITY TIMEOUT [SECONDS]  (INACTIVE)
58:  NORMAL MODEM DATA
     PARITY - EVEN/ODD/NONE  (NONE)
     NUMBER OF DATA BITS
     INCLUDING FIXED BITS (IF ANY)  (8)
     EIGHTH DATA BIT  (0)
59:  BINARY MODEM DATA
     PARITY - EVEN/ODD/NONE  (NONE)
     NUMBER OF DATA BITS
     INCLUDING FIXED BITS (IF ANY)  (8)
60:  DOES MODEM PROVIDE "DATA SET READY"?  (YES)
61:  PRINTER PORT INSTALLED?  (YES)
62:  PRINTER DATA
     PARITY - EVEN/ODD/NONE  (NONE)
     NUMBER OF DATA BITS
     INCLUDING FIXED BITS (IF ANY)  (8)
     EIGHTH DATA BIT  (0)
63:  PRINTER INTERFACE CONTROL  (11110)
64:  DOES PRINTER PROVIDE "DATA TERM READY"?  (NO)
65:  DOES PRINTER PROVIDE "SEC. REQUEST TO SEND"?  (NO)
66:  DOES PRINTER REQUIRE "LINE FEED" AFTER "CARRIAGE RETURN"?  (YES)
67:  CHARACTER TO SEPARATE COMMAND AND ARGUMENT  ( )
68:  CHARACTER TO SEPARATE FILE NAMES  (/)
69:  CHARACTER TO START "ENTER AUTOMATIC" INCREMENTING FIELD  (<)
70:  CHARACTER TO END "ENTER AUTOMATIC" INCREMENTING FIELD  (>)
71:  CHARACTER TO SEPARATE FILE NAME AND EXTENSION  (+)
72:  CHARACTER TO SEPARATE COMMAND AND ATTACHED INSTRUCTION  (#)
73:  DIRECTORY BOUNDARY SPECIFICATION CHARACTER  (*)
74:  "DON'T CARE" CHARACTER FOR EXTENSION  (?)
75:  *** UNUSED ***
76:  USER RESPONSE TO "SURE?" MESSAGE  (Y)
77:  SYSTEM COMMAND CHARACTER - TERMINAL AND MODEM  (.)
78:  SYSTEM COMMAND CHARACTER - MODEM ONLY  (,)
```

CONFIGURATION PARAMETERS

```
79:  "SELECT DRIVE 1" CHARACTER  (1)
80:  "SELECT DRIVE 2" CHARACTER  (2)
81:  "BAUD MODEM" COMMAND  (BM)
82:  "BAUD PRINTER" COMMAND  (BP)
83:  "BAUD TERMINAL" COMMAND  (BT)
84:  "COPY" COMMAND  (C)
85:  "CANCEL" COMMAND  (CN)
86:  "DISPLAY" COMMAND  (D)
87:  "DISPLAY DIRECTORY" COMMAND  (DD)
88:  "DISPLAY STATUS" COMMAND  (DS)
89:  "ENTER" COMMAND  (E)
90:  "ENTER AUTOMATIC" COMMAND  (EA)
91:  "ECHO MODE" COMMAND  (EM)
92:  "ECHO EXIT" COMMAND  (EX)
93:  "INCLUDE MODE" COMMAND  (IM)
94:  "INCLUDE MODE EXIT" COMMAND  (IX)
95:  "LOAD EXTENSION" COMMAND  (LE)
96:  "LOAD INITIAL VALUE" COMMAND  (LI)
97:  "MONITOR MODE" COMMAND  (MM)
98:  "MONITOR MODE EXIT" COMMAND  (MX)
99:  "PRINT" COMMAND  (P)
100:  "PRINT DIRECTORY" COMMAND  (PD)
101:  "RECEIVE" COMMAND  (R)
102:  "RECEIVE AUTOMATIC" COMMAND  (RA)
      "RENAME" COMMAND  (RE)
103:  "SEND" COMMAND  (S)
104:  "SEND DIRECTORY" COMMAND  (SD)
105:  "SEND STATUS" COMMAND  (SS)
106:  "SEQUENTIAL MODE" COMMAND  (SM)
107:  "ALPHA MODE" COMMAND  (AM)
108:  "STANDBY MODE" COMMAND  (SB)
109:  "WRITE-ENABLE" COMMAND  (WE)
110:  "WRITE-PROTECT" COMMAND  (WP)
111:  EDIT OPTION INSTALLED?  (YES)
112:  EDITOR LINE NUMBER SEPARATOR  (.)
113:  EDITOR CHARACTER STRING DELIMITER  (/)
114:  EDIT COMMAND CHARACTER  (;)
115:  PREPARE TO "EDIT" COMMAND  (ED)
116:  "SAVE FILE" COMMAND  (SV)
117:  EDITOR "APPEND" COMMAND  (A)
118:  EDITOR "DELETE" COMMAND  (D)
119:  EDITOR "INSERT" COMMAND  (I)
120:  EDITOR "LINE COUNT" COMMAND  (=)
121:  EDITOR "CLEAR" COMMAND  (Q)
122:  EDITOR "LIST" COMMAND  (L)
123:  EDITOR "LIST-NUMBERED" COMMAND  (N)
124:  EDITOR "REPLACE" COMMAND  (R)
125:  EDITOR "SEARCH" COMMAND  (S)
126:  FORMS OPTION INSTALLED?  (YES)
127:  CHARACTER TO START FORMS VARIABLE FIELD  ([)
128:  CHARACTER TO END FORMS VARIABLE FIELD  (])
129:  "FORMS COMPLETE" COMMAND  (FC)
```

130: "FORMS VARIABLE" COMMAND (FV)
131: "FORMS EXIT" COMMAND (FX)
132: FORMS MODE STRING SEARCH CHARACTER ([^Y])
133: FORMS MODE-UTILITY CHARACTER ([^L])
134: FORMS "LINE RE-ENTER" CHARACTER ([^Z])
135: FORMS MODE - FILL IN FROM DRIVE 1 ([^O])
136: FORMS MODE - FILL IN FROM DRIVE 2 ([^N])
137: FORMS "TAB" CHARACTER ([CR])
138: ANSWERBACK MESSAGE (**NONE**)
139: CHARACTER TO INITIATE ANSWERBACK MESSAGE ([^E])
140: USER COMMAND TABLE (**NONE**)
141: SELF-START ON POWER-UP OR RESTART? (NO)
142: SEND ANSWER BACK MESSAGE AFTER INITIAL CONNECTION? (NO)
143: INHIBIT AUTO LINEFEED TO MODEM PORT? (NO)
144: TERMINAL/MODEM BUFFER SIZES (00)
145: LOWER DSR DURING STANDBY? (NO)
146: USE EIA LINES TO CLOSE FILES? (NO)
147: SELF-START ON AUTO-ANSWER? (NO)
148: INHIBIT MONITOR MODE ON SEND? (NO)
149: RAISE RTS AFTER RECEIVING EOT? (NO)
150: "FORMS COMPLETE" COMMAND (SAME AS #129) (FC)
151: "FORMS VARIABLE" COMMAND (SAME AS #130) (FV)
152: "FORMS EXIT" COMMAND (SAME AS #131) (FX)
153: AUTO LOAD MODE ENABLED? (NO)
154: DOES TERMINAL HAVE CURSOR CONTROL? (NO)
155: PREPRINT PAGE? (YES)
156: PREPRINT LINE? (NO)
157: SKIP INTERMEDIATE LINES? (NO)
158: "SKIPPED LINE" CHARACTER (-)
159: ENABLE REDISPLAY? (YES)
160: "GO TO TOP OF PAGE" CHARACTER #1 ([^A])
CHARACTER #2 ([^A])
161: "CLEAR AND RESTART PAGE" CHARACTER ([^L])
162: "BACKFIELD" CHARACTER #1 ([^B])
CHARACTER #2 ([^B])
163: "CLOSE FIELD" CHARACTER #1 ([CR])
CHARACTER #2 ([CR])
164: "TAB" CHARACTER #1 ([TAB])
CHARACTER #2 ([TAB])
165: "AUTO TAB" CHARACTER ([^Z])
166: "ERROR OVERRIDE" CHARACTER ([^K])
167: "CLOSE PAGE" CHARACTER ([^P])
168: "VERIFY PAGE" CHARACTER ([^V])
169: "VERIFY BYPASS" CHARACTER ([^Y])
170: "CLOSE FORM" CHARACTER (SAME AS #8) ([ETX])
171: FILL IN FROM DRIVE 1 CHARACTER (SAME AS #135) ([^O])
172: FILL IN FROM DRIVE 2 CHARACTER (SAME AS #136) ([^N])
173: CURSOR RIGHT CHARACTER ENTERED #1 ([^R])
CHARACTER ENTERED #2 ([^R])
174: CURSOR LEFT CHARACTER ENTERED (SAME AS #27) ([BS])
175: CURSOR LEFT OUTPUT CHARACTER ([ESC]D)
176: CURSOR RIGHT OUTPUT CHARACTER ([ESC]C)

CONFIGURATION PARAMETERS

```
177:  CURSOR UP OUTPUT CHARACTER  ([ESC]A)
178:  CURSOR DOWN OUTPUT CHARACTER  ([ESC]B)
179:  CARRIAGE RETURN OUTPUT CHARACTER  ([CR])
180:  CURSOR HOME OUTPUT CHARACTER  ([ESC]H)
181:  CLEAR SCREEN OUTPUT CHARACTER  ([ESC]J)
182:  LITERAL FIELD FRAMING CHARACTER  ([^W])
183:  SECURITY FIELD FILL CHARACTER  (*)
184:  DECIMAL POINT CHARACTER  (.)
185:  PLUS SIGN CHARACTER  (**NONE**)
186:  MINUS SIGN CHARACTER  (-)
187:  FIELD MISMATCH ERROR CHARACTER  (?)
188:  NUMERIC ERROR CHARACTER  (#)
189:  EMPTY FIELD FILL CHARACTER  ( )
190:  OUTPUT FIXED LENGTH FIELDS?  (YES)
191:  OUTPUT WITH DELIMITERS?  (NO)
192:  MID-LINE OUTPUT DELIMITER  ([CR])
193:  END-OF-LINE OUTPUT DELIMITER  ([CR])
194:  SUBSTITUTION TABLE MINOR DELIMITER  (,)
195:  SUBSTITUTION TABLE AND ALLOWABLE ENTRY TABLE MAJOR DELIMITER  (;
196:  END OF PAGE INDICATION OPTION (0, 1, 2, OR 3)  (1)
197:  VARIABLE FIELD INDICATOR CHARACTER #1  (<)
                                 CHARACTER #2  (>)
198:  INHIBIT OUTPUT ON SKIPPED PAGES?  (YES)
```

```
ENVIRONMENTAL AND STATION DATA          FORM PAGE 01

ACTION FIELD <    RECORD TYPE <    SEQUENCE NO: YEAR <<  COLLECTION NO <<<<<
REPLICATE <<      SPECIES <<<<<<<<<<       STATUS <     LINE NUMBER <<<

PROGRAM <<<            DATE (YYMMDD) <<<<<<            STATION NUMBER <<<<<
STARTING LOCATION <<<<<<<<<<        GRID <<<<          QUADRANT <

TIME (24 HR) <<<<                    DURATION (MIN) <<<<
GEAR <<<     GEAR PARAMETER: #1 <<<<  #2 <<<<  #3 <<<<    RIG <   TOW TYPE <

SEDIMENT SIZE <   BOTTOM COMP. <   BOTTOM PROFILE <    DEPTH (METERS) <<<

TEMPERATURE (CENTIGRADE):    AIR <<<      SURFACE <<<        BOTTOM <<<
SALINITY (PPT):   SURFACE <<<      BOTTOM <<<          VARIABLE FIELD #1 <<<<
DISSOLVED OXYGEN: SURFACE <<<      BOTTOM <<<          pH <<

WEATHER ELEMENT <                    VARIABLE FIELD #2 <<<<
WIND DIRECTION <  WIND SPEED <<    CURRENT DIRECTION <   CURRENT SPEED <<
WATER LEVEL <          ALTERATION STATE <          ALLOWED FISHING ACTIVITY <
NUMBER OF REPLICATES <<
----------LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'----------
ONE <   TWO <   THREE <   FOUR <   FIVE <   SIX <   SEVEN <   EIGHT <   NINE <
```

BIOFORM-01 ATTRIBUTES

ACTION FIELD

```
TAB STOP  (YES)
1:  INPUT TYPE  (KEYBOARD-CONSTANT:  )
1:  CHARACTER TYPE  (ALPHA)
1:  SECURITY FIELD  (NO)
1:  OVERRIDE ERROR FIELD  (NO)
1:  MINIMUM LENGTH  (0)
1:  EXACT LENGTH TABLE  (NO)
1:  RANGE  (NO)
1:  ALLOWABLE ENTRY  (YES:
    DRIVE: 1  FILE: ACTION)
1:  SUBSTITUTION  (NO)
1:  JUSTIFICATION  (RIGHT)
1:  FILL CHARACTER  ( )
1:  FLOAT CHARACTER  ( )
1:  DECIMAL POSITIONS  (0)
1:  SIGN POSITION  (LEADING)
1:  AUTO CLOSE  (YES)
1:  ARITHMETIC OPERATION  (NO)
1:  AUTO FILL-IN  (NO)
1:  NEXT PAGE NUMBER  (NO)
1:  BRANCHING  (NO)
1:  AUTO-INCREMENT  (NO)
1:  OUTPUT TO MEMORY CELL  (NO)
1:  OUTPUT TO DISKETTE  (YES)
```

RECORD TYPE

```
2:  TAB STOP  (YES)
2:  INPUT TYPE  (CONSTANT: 1)
2:  CHARACTER TYPE  (DIGIT)
2:  SECURITY FIELD  (NO)
2:  OVERRIDE ERROR FIELD  (NO)
2:  MINIMUM LENGTH  (0)
2:  EXACT LENGTH TABLE  (NO)
2:  RANGE  (NO)
2:  ALLOWABLE ENTRY  (NO)
2:  SUBSTITUTION  (NO)
2:  JUSTIFICATION  (RIGHT)
2:  FILL CHARACTER  ( )
2:  FLOAT CHARACTER  ( )
2:  DECIMAL POSITIONS  (0)
2:  SIGN POSITION  (LEADING)
2:  AUTO CLOSE  (YES)
2:  ARITHMETIC OPERATION  (NO)
2:  AUTO FILL-IN  (NO)
2:  NEXT PAGE NUMBER  (NO)
2:  BRANCHING  (NO)
2:  AUTO-INCREMENT  (NO)
2:  OUTPUT TO MEMORY CELL  (NO)
2:  OUTPUT TO DISKETTE  (YES)
```

SEQUENCE NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD ( NO )
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES:
2)
3: RANGE (YES:
FROM: 65 TO: 85)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (RIGHT)
3: FILL CHARACTER ( )
3: FLOAT CHARACTER ( )
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE NO: COLLECTION NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO )
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (FIXED LINE: 6 POSITION: 1)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-01

REPLICATE

5: TAB STOP (YES)
5: INPUT TYPE (KEYBOARD)
5: CHARACTER TYPE (PRINTABLE)
5: SECURITY FIELD (NO)
5: OVERRIDE ERROR FIELD (NO)
5: MINIMUM LENGTH (0)
5: EXACT LENGTH TABLE (NO)
5: RANGE (NO)
5: ALLOWABLE ENTRY (NO)
5: SUBSTITUTION (NO)
5: JUSTIFICATION (LEFT)
5: FILL CHARACTER ( )
5: FLOAT CHARACTER ( )
5: DECIMAL POSITIONS (0)
5: SIGN POSITION (LEADING)
5: AUTO CLOSE (YES)
5: ARITHMETIC OPERATION (NO)
5: AUTO FILL-IN (NO)
5: NEXT PAGE NUMBER (NO)
5: BRANCHING (NO)
5: AUTO-INCREMENT (NO)
5: OUTPUT TO MEMORY CELL (NO)
5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
6: INPUT TYPE (KEYBOARD)
6: CHARACTER TYPE (PRINTABLE)
6: SECURITY FIELD (NO)
6: OVERRIDE ERROR FIELD (NO)
6: MINIMUM LENGTH (0)
6: EXACT LENGTH TABLE (NO)
6: RANGE (NO)
6: ALLOWABLE ENTRY (NO)
6: SUBSTITUTION (NO)
6: JUSTIFICATION (LEFT)
6: FILL CHARACTER ( )
6: FLOAT CHARACTER ( )
6: DECIMAL POSITIONS (0)
6: SIGN POSITION (LEADING)
6: AUTO CLOSE (YES)
6: ARITHMETIC OPERATION (NO)
6: AUTO FILL-IN (NO)
6: NEXT PAGE NUMBER (NO)
6: BRANCHING (NO)
6: AUTO-INCREMENT (NO)
6: OUTPUT TO MEMORY CELL (NO)
6: OUTPUT TO DISKETTE (YES)

BIOFORM-01

STATUS

```
7:  TAB STOP  (YES)
7:  INPUT TYPE  (KEYBOARD)
7:  CHARACTER TYPE  (PRINTABLE)
7:  SECURITY FIELD  (NO)
7:  OVERRIDE ERROR FIELD  (NO)
7:  MINIMUM LENGTH  (0)
7:  EXACT LENGTH TABLE  (NO)
7:  RANGE  (NO)
7:  ALLOWABLE ENTRY  (NO)
7:  SUBSTITUTION  (NO)
7:  JUSTIFICATION  (LEFT)
7:  FILL CHARACTER  ( )
7:  FLOAT CHARACTER  ( )
7:  DECIMAL POSITIONS  (0)
7:  SIGN POSITION  (LEADING)
7:  AUTO CLOSE  (YES)
7:  ARITHMETIC OPERATION  (NO)
7:  AUTO FILL-IN  (NO)
7:  NEXT PAGE NUMBER  (NO)
7:  BRANCHING  (NO)
7:  AUTO-INCREMENT  (NO)
7:  OUTPUT TO MEMORY CELL  (NO)
7:  OUTPUT TO DISKETTE  (YES)
```

LINE NUMBER

```
8:  TAB STOP  (YES)
8:  INPUT TYPE  (KEYBOARD)
8:  CHARACTER TYPE  (PRINTABLE)
8:  SECURITY FIELD  (NO)
8:  OVERRIDE ERROR FIELD  (NO)
8:  MINIMUM LENGTH  (0)
8:  EXACT LENGTH TABLE  (NO)
8:  RANGE  (NO)
8:  ALLOWABLE ENTRY  (NO)
8:  SUBSTITUTION  (NO)
8:  JUSTIFICATION  (LEFT)
8:  FILL CHARACTER  ( )
8:  FLOAT CHARACTER  ( )
8:  DECIMAL POSITIONS  (0)
8:  SIGN POSITION  (LEADING)
8:  AUTO CLOSE  (YES)
8:  ARITHMETIC OPERATION  (NO)
8:  AUTO FILL-IN  (NO)
8:  NEXT PAGE NUMBER  (NO)
8:  BRANCHING  (NO)
8:  AUTO-INCREMENT  (NO)
8:  OUTPUT TO MEMORY CELL  (NO)
8:  OUTPUT TO DISKETTE  (YES)
```

PROGRAM

9: TAB STOP (YES)
9: INPUT TYPE (KEYBOARD)
9: CHARACTER TYPE (DIGIT)
9: SECURITY FIELD (NO)
9: OVERRIDE ERROR FIELD (YES)
9: MINIMUM LENGTH (0)
9: EXACT LENGTH TABLE (YES:
3)
9: RANGE (NO)
9: ALLOWABLE ENTRY (NO)
9: SUBSTITUTION (NO)
9: JUSTIFICATION (RIGHT)
9: FILL CHARACTER ( )
9: FLOAT CHARACTER ( )
9: DECIMAL POSITIONS (0)
9: SIGN POSITION (LEADING)
9: AUTO CLOSE (YES)
9: ARITHMETIC OPERATION (NO)
9: AUTO FILL-IN (NO)
9: NEXT PAGE NUMBER (NO)
9: BRANCHING (NO)
9: AUTO-INCREMENT (NO)
9: OUTPUT TO MEMORY CELL (NO)
9: OUTPUT TO DISKETTE (YES)

DATE
(YYMMDD)

10: TAB STOP (YES)
10: INPUT TYPE (KEYBOARD)
10: CHARACTER TYPE (DIGIT)
10: SECURITY FIELD (NO)
10: OVERRIDE ERROR FIELD (YES)
10: MINIMUM LENGTH (0)
10: EXACT LENGTH TABLE (YES:
6)
10: RANGE (YES:
FROM: 840000 TO: 851231)
10: ALLOWABLE ENTRY (NO)
10: SUBSTITUTION (NO)
10: JUSTIFICATION (RIGHT)
10: FILL CHARACTER ( )
10: FLOAT CHARACTER ( )
10: DECIMAL POSITIONS (0)
10: SIGN POSITION (LEADING)
10: AUTO CLOSE (YES)
10: ARITHMETIC OPERATION (NO)
10: AUTO FILL-IN (NO)
10: NEXT PAGE NUMBER (NO)
10: BRANCHING (NO)
10: AUTO-INCREMENT (NO)
10: OUTPUT TO MEMORY CELL (NO)
10: OUTPUT TO DISKETTE (YES)

BIOFORM-01

STATION NUMBER

```
11:  TAB STOP  (YES)
11:  INPUT TYPE  (KEYBOARD)
11:  CHARACTER TYPE  (MIXED)
11:  SECURITY FIELD  (NO)
11:  OVERRIDE ERROR FIELD.  (YES)
11:  MINIMUM LENGTH  (0)
11:  EXACT LENGTH TABLE  (NO)
11:  RANGE  (NO)
11:  ALLOWABLE ENTRY  (NO)
11:  SUBSTITUTION  (NO)
11:  JUSTIFICATION  (LEFT)
11:  FILL CHARACTER  ( )
11:  FLOAT CHARACTER  ( )
11:  DECIMAL POSITIONS  (0)
11:  SIGN POSITION  (LEADING)
11:  AUTO CLOSE  (YES)
11:  ARITHMETIC OPERATION  (NO)
11:  AUTO FILL-IN  (NO)
11:  NEXT PAGE NUMBER  (NO)
11:  BRANCHING  (NO)
11:  AUTO-INCREMENT  (NO)
11:  OUTPUT TO MEMORY CELL  (NO)
11:  OUTPUT TO DISKETTE  (YES)
```

STARTING LOCATION

```
12:  TAB STOP  (YES)
12:  INPUT TYPE  (KEYBOARD)
12:  CHARACTER TYPE  (DIGIT)
12:  SECURITY FIELD  (NO)
12:  OVERRIDE ERROR FIELD  (YES)
12:  MINIMUM LENGTH  (0)
12:  EXACT LENGTH TABLE  (YES:
     10)
12:  RANGE  (YES:
     FROM: 0000000000   TO: 44000000000)
12:  ALLOWABLE ENTRY  (NO)
12:  SUBSTITUTION  (NO)
12:  JUSTIFICATION  (RIGHT)
12:  FILL CHARACTER  ( )
12:  FLOAT CHARACTER  ( )
12:  DECIMAL POSITIONS  (0)
12:  SIGN POSITION  (LEADING)
12:  AUTO CLOSE  (YES)
12:  ARITHMETIC OPERATION  (NO)
12:  AUTO FILL-IN  (NO)
12:  NEXT PAGE NUMBER  (NO)
12:  BRANCHING  (NO)
12:  AUTO-INCREMENT  (NO)
12:  OUTPUT TO MEMORY CELL  (NO)
12:  OUTPUT TO DISKETTE  (YES)
```

GRID

13: TAB STOP (YES)
13: INPUT TYPE (KEYBOARD)
13: CHARACTER TYPE (MIXED)
13: SECURITY FIELD (NO)
13: OVERRIDE ERROR FIELD (YES)
13: MINIMUM LENGTH (0)
13: EXACT LENGTH TABLE (NO)
13: RANGE (NO)
13: ALLOWABLE ENTRY (NO)
13: SUBSTITUTION (NO)
13: JUSTIFICATION (RIGHT)
13: FILL CHARACTER ( )
13: FLOAT CHARACTER ( )
13: DECIMAL POSITIONS (0)
13: SIGN POSITION (LEADING)
13: AUTO CLOSE (YES)
13: ARITHMETIC OPERATION (NO)
13: AUTO FILL-IN (NO)
13: NEXT PAGE NUMBER (NO)
13: BRANCHING (NO)
13: AUTO-INCREMENT (NO)
13: OUTPUT TO MEMORY CELL (NO)
13: OUTPUT TO DISKETTE (YES)

QUADRANT

14: TAB STOP (YES)
14: INPUT TYPE (KEYBOARD)
14: CHARACTER TYPE (DIGIT)
14: SECURITY FIELD (NO)
14: OVERRIDE ERROR FIELD (YES)
14: MINIMUM LENGTH (0)
14: EXACT LENGTH TABLE (NO)
14: RANGE (NO)

14: ALLOWABLE ENTRY (NO)
14: SUBSTITUTION (YES - RAM:
0, ;)
14: JUSTIFICATION (RIGHT)
14: FILL CHARACTER ( )
14: FLOAT CHARACTER ( )
14: DECIMAL POSITIONS (0)
14: SIGN POSITION (LEADING)
14: AUTO CLOSE (YES)
14: ARITHMETIC OPERATION (NO)
14: AUTO FILL-IN (NO)
14: NEXT PAGE NUMBER (NO)
14: BRANCHING (NO)
14: AUTO-INCREMENT (NO)
14: OUTPUT TO MEMORY CELL (NO)
14: OUTPUT TO DISKETTE (YES)

TIME
(24 HR)

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (DIGIT)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (YES)
15: MINIMUM LENGTH (0)
15: EXACT LENGTH TABLE (NO)
15: RANGE (YES:
FROM: 0000 TO: 2400)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (RIGHT)
15: FILL CHARACTER ( )
15: FLOAT CHARACTER ( )
15: DECIMAL POSITIONS (0)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (NO)
15: BRANCHING (NO)
15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (YES)

DURATION
(MIN)

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (PRINTABLE)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (YES)
16: MINIMUM LENGTH (0)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (RIGHT)
16: FILL CHARACTER ( )
16: FLOAT CHARACTER ( )
16: DECIMAL POSITIONS (0)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (NO)
16: BRANCHING (NO)
16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (YES)

GEAR

17: TAB STOP (YES)
17: INPUT TYPE (KEYBOARD)
17: CHARACTER TYPE (DIGIT)
17: SECURITY FIELD (NO)
17: OVERRIDE ERROR FIELD (YES)
17: MINIMUM LENGTH (0)
17: EXACT LENGTH TABLE (YES: 3)
17: RANGE (NO)
17: ALLOWABLE ENTRY (NO)
17: SUBSTITUTION (NO)
17: JUSTIFICATION (RIGHT)
17: FILL CHARACTER (0)
17: FLOAT CHARACTER (0)
17: DECIMAL POSITIONS (0)
17: SIGN POSITION (LEADING)
17: AUTO CLOSE (YES)
17: ARITHMETIC OPERATION (NO)
17: AUTO FILL-IN (NO)
17: NEXT PAGE NUMBER (NO)
17: BRANCHING (NO)
17: AUTO-INCREMENT (NO)
17: OUTPUT TO MEMORY CELL (NO)
17: OUTPUT TO DISKETTE (YES)

GEAR PARAMETER: #1

18: TAB STOP (YES)
18: INPUT TYPE (KEYBOARD)
18: CHARACTER TYPE (PRINTABLE)
18: SECURITY FIELD (NO)
18: OVERRIDE ERROR FIELD (YES)
18: MINIMUM LENGTH (0)
18: EXACT LENGTH TABLE (YES: 0,4)
18: RANGE (NO)
18: ALLOWABLE ENTRY (NO)
18: SUBSTITUTION (NO)
18: JUSTIFICATION (RIGHT)
18: FILL CHARACTER ( )
18: FLOAT CHARACTER ( )
18: DECIMAL POSITIONS (0)
18: SIGN POSITION (LEADING)
18: AUTO CLOSE (YES)
18: ARITHMETIC OPERATION (NO)
18: AUTO FILL-IN (NO)
18: NEXT PAGE NUMBER (NO)
18: BRANCHING (NO)
18: AUTO-INCREMENT (NO)
18: OUTPUT TO MEMORY CELL (NO)
18: OUTPUT TO DISKETTE (YES)

GEAR PARAMETER:
#2

```
19:  TAB STOP  (YES)
19:  INPUT TYPE  (KEYBOARD)
19:  CHARACTER TYPE  (PRINTABLE)
19:  SECURITY FIELD  (NO)
19:  OVERRIDE ERROR FIELD  (YES)
19:  MINIMUM LENGTH  (0)
19:  EXACT LENGTH TABLE  (YES: 0,4)
19:  RANGE  (NO)
19:  ALLOWABLE ENTRY  (NO)
19:  SUBSTITUTION  (NO)
19:  JUSTIFICATION  (RIGHT)
19:  FILL CHARACTER  ( )
19:  FLOAT CHARACTER  ( )
19:  DECIMAL POSITIONS  (0)
19:  SIGN POSITION  (LEADING)
19:  AUTO CLOSE  (YES)
19:  ARITHMETIC OPERATION  (NO)
19:  AUTO FILL-IN  (NO)
19:  NEXT PAGE NUMBER  (NO)
19:  BRANCHING  (NO)
19:  AUTO-INCREMENT  (NO)
19:  OUTPUT TO MEMORY CELL  (NO)
19:  OUTPUT TO DISKETTE  (YES)
```

GEAR PARAMETER:
#3

```
20:  TAB STOP  (YES)
20:  INPUT TYPE  (KEYBOARD)
20:  CHARACTER TYPE  (PRINTABLE)
20:  SECURITY FIELD  (NO)
20:  OVERRIDE ERROR FIELD  (YES)
20:  MINIMUM LENGTH  (0)
20:  EXACT LENGTH TABLE  (YES:  0,4)
20:  RANGE  (NO)
20:  ALLOWABLE ENTRY  (NO)
20:  SUBSTITUTION  (NO)
20:  JUSTIFICATION  (RIGHT)
20:  FILL CHARACTER  ( )
20:  FLOAT CHARACTER  ( )
20:  DECIMAL POSITIONS  (0)
20:  SIGN POSITION  (LEADING)
20:  AUTO CLOSE  (YES)
20:  ARITHMETIC OPERATION  (NO)
20:  AUTO FILL-IN  (NO)
20:  NEXT PAGE NUMBER  (NO)
20:  BRANCHING  (NO)
20:  AUTO-INCREMENT  (NO)
20:  OUTPUT TO MEMORY CELL  (NO)
20:  OUTPUT TO DISKETTE  (YES)
```

RIG

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (DIGIT)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (YES)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (RIGHT)
21: FILL CHARACTER ( )
21: FLOAT CHARACTER ( )
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (NO)
21: BRANCHING (NO)
21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (YES)

TOW
TYPE

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (DIGIT)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (YES)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (YES:
FROM: 0 TO: 4)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (YES - RAM:
0, ;)
22: JUSTIFICATION (RIGHT)
22: FILL CHARACTER ( )
22: FLOAT CHARACTER ( )
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (NO)
22: BRANCHING (NO)
22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (YES)

SEDIMENT SIZE

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (MIXED)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (YES)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (RIGHT)
23: FILL CHARACTER ( )
23: FLOAT CHARACTER ( )
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (NO)
23: BRANCHING (NO)
23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (YES)

BOTTOM COMP.

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (ALPHA)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (YES)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (NO)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (RIGHT)
24: FILL CHARACTER ( )
24: FLOAT CHARACTER ( )
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (NO)
24: BRANCHING (NO)
24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (YES)

BOTTOM PROFILE

25: TAB STOP (YES)
25: INPUT TYPE (KEYBOARD)
25: CHARACTER TYPE (DIGIT)
25: SECURITY FIELD (NO)
25: OVERRIDE ERROR FIELD (YES)
25: MINIMUM LENGTH (0)
25: EXACT LENGTH TABLE (NO)
25: RANGE (YES:
FROM: 0 TO: 6)
25: ALLOWABLE ENTRY (NO)
25: SUBSTITUTION (YES - RAM:
0, ;)
25: JUSTIFICATION (RIGHT)
25: FILL CHARACTER ( )
25: FLOAT CHARACTER ( )
25: DECIMAL POSITIONS (0)
25: SIGN POSITION (LEADING)
25: AUTO CLOSE (YES)
25: ARITHMETIC OPERATION (NO)
25: AUTO FILL-IN (NO)
25: NEXT PAGE NUMBER (NO)
25: BRANCHING (NO)
25: AUTO-INCREMENT (NO)
25: OUTPUT TO MEMORY CELL (NO)
25: OUTPUT TO DISKETTE (YES)

DEPTH (METERS)

26: TAB STOP (YES)
26: INPUT TYPE (KEYBOARD)
26: CHARACTER TYPE (PRINTABLE)
26: SECURITY FIELD (NO)
26: OVERRIDE ERROR FIELD (YES)
26: MINIMUM LENGTH (0)
26: EXACT LENGTH TABLE (NO)
26: RANGE (NO)
26: ALLOWABLE ENTRY (NO)
26: SUBSTITUTION (NO)
26: JUSTIFICATION (RIGHT)
26: FILL CHARACTER ( )
26: FLOAT CHARACTER ( )
26: DECIMAL POSITIONS (0)
26: SIGN POSITION (LEADING)
26: AUTO CLOSE (YES)
26: ARITHMETIC OPERATION (NO)
26: AUTO FILL-IN (NO)
26: NEXT PAGE NUMBER (NO)
26: BRANCHING (NO)
26: AUTO-INCREMENT (NO)
26: OUTPUT TO MEMORY CELL (NO)
26: OUTPUT TO DISKETTE (YES)

TEMPERATURE (CENTIGRADE): AIR

```
27:  TAB STOP  (YES)
27:  INPUT TYPE  (KEYBOARD)
27:  CHARACTER TYPE  (DIGIT)
27:  SECURITY FIELD  (NO)
27:  OVERRIDE ERROR FIELD  (YES)
27:  MINIMUM LENGTH  (0)
27:  EXACT LENGTH TABLE  (YES:
     0,3)
27:  RANGE  (YES:
     FROM: -99   TO: 400)
27:  ALLOWABLE ENTRY  (NO)
27:  SUBSTITUTION  (NO)
27:  JUSTIFICATION  (RIGHT)
27:  FILL CHARACTER  ( )
27:  FLOAT CHARACTER  ( )
27:  DECIMAL POSITIONS  (0)
27:  SIGN POSITION  (LEADING)
27:  AUTO CLOSE  (YES)
27:  ARITHMETIC OPERATION  (NO)
27:  AUTO FILL-IN  (NO)
27:  NEXT PAGE NUMBER  (NO)
27:  BRANCHING  (NO)
27:  AUTO-INCREMENT  (NO)
27:  OUTPUT TO MEMORY CELL  (NO)
27:  OUTPUT TO DISKETTE  (YES)
```

TEMPERATURE (CENTIGRADE): SURFACE

```
28:  TAB STOP  (YES)
28:  INPUT TYPE  (KEYBOARD)
28:  CHARACTER TYPE  (DIGIT)
28:  SECURITY FIELD  (NO)
28:  OVERRIDE ERROR FIELD  (YES)
28:  MINIMUM LENGTH  (0)
28:  EXACT LENGTH TABLE  (YES:
     0,3)
28:  RANGE  (YES:
     FROM: -50   TO: 400)
28:  ALLOWABLE ENTRY  (NO)
28:  SUBSTITUTION  (NO)
28:  JUSTIFICATION  (RIGHT)
28:  FILL CHARACTER  ( )
28:  FLOAT CHARACTER  ( )
28:  DECIMAL POSITIONS  (0)
28:  SIGN POSITION  (LEADING)
28:  AUTO CLOSE  (YES)
28:  ARITHMETIC OPERATION  (NO)
28:  AUTO FILL-IN  (NO)
28:  NEXT PAGE NUMBER  (NO)
28:  BRANCHING  (NO)
28:  AUTO-INCREMENT  (NO)
28:  OUTPUT TO MEMORY CELL  (NO)
28:  OUTPUT TO DISKETTE  (YES)
```

TEMPERATURE (CENTIGRADE): BOTTOM

```
29:  TAB STOP  (YES)
29:  INPUT TYPE  (KEYBOARD)
29:  CHARACTER TYPE  (DIGIT)
29:  SECURITY FIELD  (NO)
29:  OVERRIDE ERROR FIELD  (YES)
29:  MINIMUM LENGTH  (0)
29:  EXACT LENGTH TABLE  (YES:
     0,3)
29:  RANGE  (YES:
     FROM: -50   TO: 400)
29:  ALLOWABLE ENTRY  (NO)
29:  SUBSTITUTION  (NO)
29:  JUSTIFICATION  (RIGHT)
29:  FILL CHARACTER  ( )
29:  FLOAT CHARACTER  ( )
29:  DECIMAL POSITIONS  (0)
29:  SIGN POSITION  (LEADING)
29:  AUTO CLOSE  (YES)
29:  ARITHMETIC OPERATION  (NO)
29:  AUTO FILL-IN  (NO)
29:  NEXT PAGE NUMBER  (NO)
29:  BRANCHING  (NO)
29:  AUTO-INCREMENT  (NO)
29:  OUTPUT TO MEMORY CELL  (NO)
29:  OUTPUT TO DISKETTE  (YES)
```

SALINITY (PPT): SURFACE

```
30:  TAB STOP  (YES)
30:  INPUT TYPE  (KEYBOARD)
30:  CHARACTER TYPE  (DIGIT)
30:  SECURITY FIELD  (NO)
30:  OVERRIDE ERROR FIELD  (YES)
30:  MINIMUM LENGTH  (0)
30:  EXACT LENGTH TABLE  (YES:
     0,3)
30:  RANGE  (YES:
     FROM: 000   TO: 400)
30:  ALLOWABLE ENTRY  (NO)
30:  SUBSTITUTION  (NO)
30:  JUSTIFICATION  (RIGHT)
30:  FILL CHARACTER  ( )
30:  FLOAT CHARACTER  ( )
30:  DECIMAL POSITIONS  (0)
30:  SIGN POSITION  (LEADING)
30:  AUTO CLOSE  (YES)
30:  ARITHMETIC OPERATION  (NO)
30:  AUTO FILL-IN  (NO)
30:  NEXT PAGE NUMBER  (NO)
30:  BRANCHING  (NO)
30:  AUTO-INCREMENT  (NO)
30:  OUTPUT TO MEMORY CELL  (NO)
30:  OUTPUT TO DISKETTE  (YES)
```

SALINITY (PPT): BOTTOM

31: TAB STOP (YES)
31: INPUT TYPE (KEYBOARD)
31: CHARACTER TYPE (DIGIT)
31: SECURITY FIELD (NO)
31: OVERRIDE ERROR FIELD (YES)
31: MINIMUM LENGTH (0)
31: EXACT LENGTH TABLE (YES: 0,3)
31: RANGE (YES: FROM: 000 TO: 400)
31: ALLOWABLE ENTRY (NO)
31: SUBSTITUTION (NO)
31: JUSTIFICATION (RIGHT)
31: FILL CHARACTER ( )
31: FLOAT CHARACTER ( )
31: DECIMAL POSITIONS (0)
31: SIGN POSITION (LEADING)
31: AUTO CLOSE (YES)
31: ARITHMETIC OPERATION (NO)
31: AUTO FILL-IN (NO)
31: NEXT PAGE NUMBER (NO)
31: BRANCHING (NO)
31: AUTO-INCREMENT (NO)
31: OUTPUT TO MEMORY CELL (NO)
31: OUTPUT TO DISKETTE (YES)

VARIABLE FIELD #1

32: TAB STOP (YES)
32: INPUT TYPE (KEYBOARD)
32: CHARACTER TYPE (PRINTABLE)
32: SECURITY FIELD (NO)
32: OVERRIDE ERROR FIELD (YES)
32: MINIMUM LENGTH (0)
32: EXACT LENGTH TABLE (NO)
32: RANGE (NO)
32: ALLOWABLE ENTRY (NO)
32: SUBSTITUTION (NO)
32: JUSTIFICATION (RIGHT)
32: FILL CHARACTER ( )
32: FLOAT CHARACTER ( )
32: DECIMAL POSITIONS (0)
32: SIGN POSITION (LEADING)
32: AUTO CLOSE (YES)
32: ARITHMETIC OPERATION (NO)
32: AUTO FILL-IN (NO)
32: NEXT PAGE NUMBER (NO)
32: BRANCHING (NO)
32: AUTO-INCREMENT (NO)
32: OUTPUT TO MEMORY CELL (NO)
32: OUTPUT TO DISKETTE (YES)

DISSOLVED OXYGEN: SURFACE

33: TAB STOP (YES)
33: INPUT TYPE (KEYBOARD)
33: CHARACTER TYPE (DIGIT)
33: SECURITY FIELD (NO)
33: OVERRIDE ERROR FIELD (YES)
33: MINIMUM LENGTH (0)
33: EXACT LENGTH TABLE (YES:
0,3)
33: RANGE (YES:
FROM: 000 TO: 100)
33: ALLOWABLE ENTRY (NO)
33: SUBSTITUTION (NO)
33: JUSTIFICATION (RIGHT)
33: FILL CHARACTER ( )
33: FLOAT CHARACTER ( )
33: DECIMAL POSITIONS (0)
33: SIGN POSITION (LEADING)
33: AUTO CLOSE (YES)
33: ARITHMETIC OPERATION (NO)
33: AUTO FILL-IN (NO)
33: NEXT PAGE NUMBER (NO)
33: BRANCHING (NO)
33: AUTO-INCREMENT (NO)
33: OUTPUT TO MEMORY CELL (NO)
33: OUTPUT TO DISKETTE (YES)

DISSOLVED OXYGEN: BOTTOM

34: TAB STOP (YES)
34: INPUT TYPE (KEYBOARD)
34: CHARACTER TYPE (DIGIT)
34: SECURITY FIELD (NO)
34: OVERRIDE ERROR FIELD (YES)
34: MINIMUM LENGTH (0)
34: EXACT LENGTH TABLE (YES:
0,3)
34: RANGE (YES:
FROM: 000 TO: 100)
34: ALLOWABLE ENTRY (NO)
34: SUBSTITUTION (NO)
34: JUSTIFICATION (RIGHT)
34: FILL CHARACTER ( )
34: FLOAT CHARACTER ( )
34: DECIMAL POSITIONS (0)
34: SIGN POSITION (LEADING)
34: AUTO CLOSE (YES)
34: ARITHMETIC OPERATION (NO)
34: AUTO FILL-IN (NO)
34: NEXT PAGE NUMBER (NO)
34: BRANCHING (NO)
34: AUTO-INCREMENT (NO)
34: OUTPUT TO MEMORY CELL (NO)
34: OUTPUT TO DISKETTE (YES)

pH

35: TAB STOP (YES)
35: INPUT TYPE (KEYBOARD)
35: CHARACTER TYPE (DIGIT)
35: SECURITY FIELD (NO)
35: OVERRIDE ERROR FIELD (YES)
35: MINIMUM LENGTH (0)
35: EXACT LENGTH TABLE (YES:
0,2)
35: RANGE (YES:
FROM: 00 TO: 99)
35: ALLOWABLE ENTRY (NO)
35: SUBSTITUTION (NO)
35: JUSTIFICATION (RIGHT)
35: FILL CHARACTER ( )
35: FLOAT CHARACTER ( )
35: DECIMAL POSITIONS (0)
35: SIGN POSITION (LEADING)
35: AUTO CLOSE (YES)
35: ARITHMETIC OPERATION (NO)
35: AUTO FILL-IN (NO)
35: NEXT PAGE NUMBER (NO)
35: BRANCHING (NO)
35: AUTO-INCREMENT (NO)
35: OUTPUT TO MEMORY CELL (NO)
35: OUTPUT TO DISKETTE (YES)

WEATHER
ELEMENT

36: TAB STOP (YES)
36: INPUT TYPE (KEYBOARD)
36: CHARACTER TYPE (DIGIT)
36: SECURITY FIELD (NO)
36: OVERRIDE ERROR FIELD (YES)
36: MINIMUM LENGTH (0)
36: EXACT LENGTH TABLE (NO)
36: RANGE (NO)
36: ALLOWABLE ENTRY (NO)
36: SUBSTITUTION (NO)
36: JUSTIFICATION (RIGHT)
36: FILL CHARACTER ( )
36: FLOAT CHARACTER ( )
36: DECIMAL POSITIONS (0)
36: SIGN POSITION (LEADING)
36: AUTO CLOSE (YES)
36: ARITHMETIC OPERATION (NO)
36: AUTO FILL-IN (NO)
36: NEXT PAGE NUMBER (NO)
36: BRANCHING (NO)
36: AUTO-INCREMENT (NO)
36: OUTPUT TO MEMORY CELL (NO)
36: OUTPUT TO DISKETTE (YES)

VARIABLE FIELD #2

37: TAB STOP (YES)
37: INPUT TYPE (KEYBOARD)
37: CHARACTER TYPE (PRINTABLE)
37: SECURITY FIELD (NO)
37: OVERRIDE ERROR FIELD (YES)
37: MINIMUM LENGTH (0)
37: EXACT LENGTH TABLE (NO)

37: RANGE (NO)

37: ALLOWABLE ENTRY (NO)
37: SUBSTITUTION (NO)
37: JUSTIFICATION (RIGHT)
37: FILL CHARACTER ( )
37: FLOAT CHARACTER ( )
37: DECIMAL POSITIONS (0)
37: SIGN POSITION (LEADING)
37: AUTO CLOSE (YES)
37: ARITHMETIC OPERATION (NO)
37: AUTO FILL-IN (NO)
37: NEXT PAGE NUMBER (NO)
37: BRANCHING (NO)
37: AUTO-INCREMENT (NO)
37: OUTPUT TO MEMORY CELL (NO)
37: OUTPUT TO DISKETTE (YES)

WIND DIRECTION

38: TAB STOP (YES)
38: INPUT TYPE (KEYBOARD)
38: CHARACTER TYPE (DIGIT)
38: SECURITY FIELD (NO)
38: OVERRIDE ERROR FIELD (YES)
38: MINIMUM LENGTH (0)
38: EXACT LENGTH TABLE (NO)
38: RANGE (NO)
38: ALLOWABLE ENTRY (NO)
38: SUBSTITUTION (NO)
38: JUSTIFICATION (RIGHT)
38: FILL CHARACTER ( )
38: FLOAT CHARACTER ( )
38: DECIMAL POSITIONS (0)
38: SIGN POSITION (LEADING)
38: AUTO CLOSE (YES)
38: ARITHMETIC OPERATION (NO)
38: AUTO FILL-IN (NO)
38: NEXT PAGE NUMBER (NO)
38: BRANCHING (NO)
38: AUTO-INCREMENT (NO)
38: OUTPUT TO MEMORY CELL (NO)
38: OUTPUT TO DISKETTE (YES)

WIND SPEED

39: TAB STOP (YES)
39: INPUT TYPE (KEYBOARD)
39: CHARACTER TYPE (DIGIT)
39: SECURITY FIELD (NO)
39: OVERRIDE ERROR FIELD (YES)
39: MINIMUM LENGTH (0)
39: EXACT LENGTH TABLE (NO)
39: RANGE (YES:
FROM: 00 TO: 30)
39: ALLOWABLE ENTRY (NO)
39: SUBSTITUTION (NO)
39: JUSTIFICATION (RIGHT)
39: FILL CHARACTER ( )
39: FLOAT CHARACTER ( )
39: DECIMAL POSITIONS (0)
39: SIGN POSITION (LEADING)
39: AUTO CLOSE (YES)
39: ARITHMETIC OPERATION (NO)
39: AUTO FILL-IN (NO)
39: NEXT PAGE NUMBER (NO)
39: BRANCHING (NO)
39: AUTO-INCREMENT (NO)
39: OUTPUT TO MEMORY CELL (NO)
39: OUTPUT TO DISKETTE (YES)

CURRENT DIRECTION

40: TAB STOP (YES)
40: INPUT TYPE (KEYBOARD)
40: CHARACTER TYPE (DIGIT)
40: SECURITY FIELD (NO)
40: OVERRIDE ERROR FIELD (YES)
40: MINIMUM LENGTH (0)
40: EXACT LENGTH TABLE (NO)
40: RANGE (NO)
40: ALLOWABLE ENTRY (NO)
40: SUBSTITUTION (NO)
40: JUSTIFICATION (RIGHT)
40: FILL CHARACTER ( )
40: FLOAT CHARACTER ( )
40: DECIMAL POSITIONS (0)
40: SIGN POSITION (LEADING)
40: AUTO CLOSE (YES)
40: ARITHMETIC OPERATION (NO)
40: AUTO FILL-IN (NO)
40: NEXT PAGE NUMBER (NO)
40: BRANCHING (NO)
40: AUTO-INCREMENT (NO)
40: OUTPUT TO MEMORY CELL (NO)
40: OUTPUT TO DISKETTE (YES)

| | | |
|---|---|---|
| CURRENT SPEED | 41: | TAB STOP (YES) |
| | 41: | INPUT TYPE (KEYBOARD) |
| | 41: | CHARACTER TYPE (DIGIT) |
| | 41: | SECURITY FIELD (NO) |
| | 41: | OVERRIDE ERROR FIELD (YES) |
| | 41: | MINIMUM LENGTH (0) |
| | 41: | EXACT LENGTH TABLE (NO) |
| | 41: | RANGE (YES: |
| | | FROM: 00 TO: 15) |
| | 41: | ALLOWABLE ENTRY (NO) |
| | 41: | SUBSTITUTION (NO) |
| | 41: | JUSTIFICATION (RIGHT) |
| | 41: | FILL CHARACTER ( ) |
| | 41: | FLOAT CHARACTER ( ) |
| | 41: | DECIMAL POSITIONS (0) |
| | 41: | SIGN POSITION (LEADING) |
| | 41: | AUTO CLOSE (YES) |
| | 41: | ARITHMETIC OPERATION (NO) |
| | 41: | AUTO FILL-IN (NO) |
| | 41: | NEXT PAGE NUMBER (NO) |
| | 41: | BRANCHING (NO) |
| | 41: | AUTO-INCREMENT (NO) |
| | 41: | OUTPUT TO MEMORY CELL (NO) |
| | 41: | OUTPUT TO DISKETTE (YES) |
| WATER LEVEL | 42: | TAB STOP (YES) |
| | 42: | INPUT TYPE (KEYBOARD) |
| | 42: | CHARACTER TYPE (ALPHA) |
| | 42: | SECURITY FIELD (NO) |
| | 42: | OVERRIDE ERROR FIELD (YES) |
| | 42: | MINIMUM LENGTH (0) |
| | 42: | EXACT LENGTH TABLE (NO) |
| | 42: | RANGE (NO) |
| | 42: | ALLOWABLE ENTRY (NO) |
| | 42: | SUBSTITUTION (NO) |
| | 42: | JUSTIFICATION (RIGHT) |
| | 42: | FILL CHARACTER ( ) |
| | 42: | FLOAT CHARACTER ( ) |
| | 42: | DECIMAL POSITIONS (0) |
| | 42: | SIGN POSITION (LEADING) |
| | 42: | AUTO CLOSE (YES) |
| | 42: | ARITHMETIC OPERATION (NO) |
| | 42: | AUTO FILL-IN (NO) |
| | 42: | NEXT PAGE NUMBER (NO) |
| | 42: | BRANCHING (NO) |
| | 42: | AUTO-INCREMENT (NO) |
| | 42: | OUTPUT TO MEMORY CELL (NO) |
| | 42: | OUTPUT TO DISKETTE (YES) |

ALTERATION STATE

43: TAB STOP (YES)
43: INPUT TYPE (KEYBOARD)
43: CHARACTER TYPE (DIGIT)
43: SECURITY FIELD (NO)
43: OVERRIDE ERROR FIELD (YES)
43: MINIMUM LENGTH (0)
43: EXACT LENGTH TABLE (NO)
43: RANGE (YES:
FROM: 0 TO: 5)
43: ALLOWABLE ENTRY (NO)
43: SUBSTITUTION (YES - RAM:
0, ;)
43: JUSTIFICATION (RIGHT)
43: FILL CHARACTER ( )
43: FLOAT CHARACTER ( )
43: DECIMAL POSITIONS (0)
43: SIGN POSITION (LEADING)
43: AUTO CLOSE (YES)
43: ARITHMETIC OPERATION (NO)
43: AUTO FILL-IN (NO)
43: NEXT PAGE NUMBER (NO)
43: BRANCHING (NO)
43: AUTO-INCREMENT (NO)
43: OUTPUT TO MEMORY CELL (NO)
43: OUTPUT TO DISKETTE (YES)

ALLOWED FISHING ACTIVITY

44: TAB STOP (YES)
44: INPUT TYPE (KEYBOARD)
44: CHARACTER TYPE (ALPHA)
44: SECURITY FIELD (NO)
44: OVERRIDE ERROR FIELD (YES)
44: MINIMUM LENGTH (0)
44: EXACT LENGTH TABLE (NO)
44: RANGE (NO)
44: ALLOWABLE ENTRY (NO)
44: SUBSTITUTION (NO)
44: JUSTIFICATION (RIGHT)
44: FILL CHARACTER ( )
44: FLOAT CHARACTER ( )
44: DECIMAL POSITIONS (0)
44: SIGN POSITION (LEADING)
44: AUTO CLOSE (YES)
44: ARITHMETIC OPERATION (NO)
44: AUTO FILL-IN (NO)
44: NEXT PAGE NUMBER (NO)
44: BRANCHING (NO)
44: AUTO-INCREMENT (NO)
44: OUTPUT TO MEMORY CELL (NO)
44: OUTPUT TO DISKETTE (YES)

NUMBER OF REPLICATES

```
45:  TAB STOP  (YES)
45:  INPUT TYPE  (KEYBOARD)
45:  CHARACTER TYPE  (DIGIT)
45:  SECURITY FIELD  (NO)
45:  OVERRIDE ERROR FIELD  (NO)
45:  MINIMUM LENGTH  (1)
45:  EXACT LENGTH TABLE  (NO)
45:  RANGE  (NO)
45:  ALLOWABLE ENTRY  (NO)
45:  SUBSTITUTION  (NO)
45:  JUSTIFICATION  (RIGHT)
45:  FILL CHARACTER  ( )
45:  FLOAT CHARACTER  (0)
45:  DECIMAL POSITIONS  (0)
45:  SIGN POSITION  (LEADING)
45:  AUTO CLOSE  (YES)
45:  ARITHMETIC OPERATION  (NO)
45:  AUTO FILL-IN  (NO)
45:  NEXT PAGE NUMBER  (NO)
45:  BRANCHING  (NO)
45:  AUTO-INCREMENT  (NO)
45:  OUTPUT TO MEMORY CELL  (NO)
45:  OUTPUT TO DISKETTE  (YES)
```

LOAD RECORD TYPE: ONE

```
46:  TAB STOP  (YES)
46:  INPUT TYPE  (KEYBOARD)
46:  CHARACTER TYPE  (PRINTABLE)
46:  SECURITY FIELD  (NO)
46:  OVERRIDE ERROR FIELD  (NO)
46:  MINIMUM LENGTH  (0)
46:  EXACT LENGTH TABLE  (NO)
46:  RANGE  (NO)
46:  ALLOWABLE ENTRY  (NO)
46:  SUBSTITUTION  (NO)
46:  JUSTIFICATION  (LEFT)
46:  FILL CHARACTER  ( )
46:  FLOAT CHARACTER  ( )
46:  DECIMAL POSITIONS  (0)
46:  SIGN POSITION  (LEADING)
46:  AUTO CLOSE  (YES)
46:  ARITHMETIC OPERATION  (NO)
46:  AUTO FILL-IN  (NO)
46:  NEXT PAGE NUMBER  (YES - PAGE 1)
46:  BRANCHING  (TEST  LINE: 23  POSITION: 80

      BRANCH: MINIMUM LENGTH  (0)
     BRANCH: MAXIMUM LENGTH  (1)
     BRANCH: EXACT LENGTH TABLE  (NO)
    BRANCH: RANGE  (NO)
     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
     X;))
46:   AUTO-INCREMENT  (NO)
46:   OUTPUT TO MEMORY CELL  (NO)
46:   OUTPUT TO DISKETTE  (NO)
```

BIOFORM-01

LOAD
RECORD TYPE:
TWO

```
47:  TAB STOP  (YES)
47:  INPUT TYPE  (KEYBOARD)
47:  CHARACTER TYPE  (PRINTABLE)
47:  SECURITY FIELD  (NO)
47:  OVERRIDE ERROR FIELD  (NO)
47:  MINIMUM LENGTH  (0)
47:  EXACT LENGTH TABLE  (NO)
47:  RANGE  (NO)
47:  ALLOWABLE ENTRY  (NO)
47:  SUBSTITUTION  (NO)
47:  JUSTIFICATION  (LEFT)
47:  FILL CHARACTER  (.)
47:  FLOAT CHARACTER  ( )
47:  DECIMAL POSITIONS  (0)
47:  SIGN POSITION  (LEADING)
47:  AUTO CLOSE  (YES)
47:  ARITHMETIC OPERATION  (NO)
47:  AUTO FILL-IN  (NO)
47:  NEXT PAGE NUMBER (YES:- PAGE 2)
47:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
47:  AUTO-INCREMENT  (NO)
47:  OUTPUT TO MEMORY CELL  (NO)
47:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
THREE

```
48:  TAB STOP  (YES)
48:  INPUT TYPE  (KEYBOARD)
48:  CHARACTER TYPE  (PRINTABLE)
48:  SECURITY FIELD  (NO)
48:  OVERRIDE ERROR FIELD  (NO)
48:  MINIMUM LENGTH  (0)
48:  EXACT LENGTH TABLE  (NO)
48:  RANGE  (NO)
48:  ALLOWABLE ENTRY  (NO)
48:  SUBSTITUTION  (NO)
48:  JUSTIFICATION  (LEFT)
48:  FILL CHARACTER  ( )
48:  FLOAT CHARACTER  ( )
48:  DECIMAL POSITIONS  (0)
48:  SIGN POSITION  (LEADING)
48:  AUTO CLOSE  (YES)
48:  ARITHMETIC OPERATION  (NO)
48:  AUTO FILL-IN  (NO)
48:  NEXT PAGE NUMBER (YES - PAGE 3)
48:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
48:  AUTO-INCREMENT  (NO)
48:  OUTPUT TO MEMORY CELL  (NO)
48:  OUTPUT TO DISKETTE  (NO)
```

```
BIOFORM-01
LOAD
RECORD TYPE:
FOUR
49:  TAB STOP  (YES)
49:  INPUT TYPE  (KEYBOARD)
49:  CHARACTER TYPE  (PRINTABLE)
49:  SECURITY FIELD  (NO)
49:  OVERRIDE ERROR FIELD  (NO)
49:  MINIMUM LENGTH  (0)
49:  EXACT LENGTH TABLE  (NO)
49:  RANGE  (NO)
49:  ALLOWABLE ENTRY  (NO)
49:  SUBSTITUTION  (NO)
49:  JUSTIFICATION  (LEFT)
49:  FILL CHARACTER  ( )
49:  FLOAT CHARACTER  ( )
49:  DECIMAL POSITIONS  (0)
49:  SIGN POSITION  (LEADING)
49:  AUTO CLOSE  (YES)
49:  ARITHMETIC OPERATION  (NO)
49:  AUTO FILL-IN  (NO)
49:  NEXT PAGE NUMBER (YES - PAGE 4)
49:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
49:  AUTO-INCREMENT  (NO)
49:  OUTPUT TO MEMORY CELL  (NO)
49:  OUTPUT TO DISKETTE  (NO)

LOAD
RECORD TYPE:
FIVE
50:  TAB STOP  (YES)
50:  INPUT TYPE  (KEYBOARD)
50:  CHARACTER TYPE  (PRINTABLE)
50:  SECURITY FIELD  (NO)
50:  OVERRIDE ERROR FIELD  (NO)
50:  MINIMUM LENGTH  (0)
50:  EXACT LENGTH TABLE  (NO)
50:  RANGE  (NO)
50:  ALLOWABLE ENTRY  (NO)
50:  SUBSTITUTION  (NO)
50:  JUSTIFICATION  (LEFT)
50:  FILL CHARACTER  ( )
50:  FLOAT CHARACTER  ( )
50:  DECIMAL POSITIONS  (0)
50:  SIGN POSITION  (LEADING)
50:  AUTO CLOSE  (YES)
50:  ARITHMETIC OPERATION  (NO)
50:  AUTO FILL-IN  (NO)
50:  NEXT PAGE NUMBER (YES - PAGE 5)
50:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
50:  AUTO-INCREMENT  (NO)
50:  OUTPUT TO MEMORY CELL  (NO)
50:  OUTPUT TO DISKETTE  (NO)
```

```
                    BIOFORM-01
LOAD                51:  TAB STOP  (YES)
RECORD TYPE:        51:  INPUT TYPE  (KEYBOARD)
SIX                 51:  CHARACTER TYPE  (PRINTABLE)
                    51:  SECURITY FIELD  (NO)
                    51:  OVERRIDE ERROR FIELD  (NO)
                    51:  MINIMUM LENGTH  (0)
                    51:  EXACT LENGTH TABLE  (NO)
                    51:  RANGE  (NO)
                    51:  ALLOWABLE ENTRY  (NO)
                    51:  SUBSTITUTION  (NO)
                    51:  JUSTIFICATION  (LEFT)
                    51:  FILL CHARACTER  ( )
                    51:  FLOAT CHARACTER  ( )
                    51:  DECIMAL POSITIONS  (0)
                    51:  SIGN POSITION  (LEADING)
                    51:  AUTO CLOSE  (YES)
                    51:  ARITHMETIC OPERATION  (NO)
                    51:  AUTO FILL-IN  (NO)
                    51:  NEXT PAGE NUMBER (YES- PAGE 6)
                    51:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

                          BRANCH: MINIMUM LENGTH  (0)
                         BRANCH: MAXIMUM LENGTH  (1)
                         BRANCH: EXACT LENGTH TABLE  (NO)
                        BRANCH: RANGE  (NO)
                         BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                         X;))
                    51:  AUTO-INCREMENT  (NO)
                    51:  OUTPUT TO MEMORY CELL  (NO)
                    51:  OUTPUT TO DISKETTE  (NO)

LOAD                52:  TAB STOP  (YES)
RECORD TYPE:        52:  INPUT TYPE  (KEYBOARD)
SEVEN               52:  CHARACTER TYPE  (PRINTABLE)
                    52:  SECURITY FIELD  (NO)
                    52:  OVERRIDE ERROR FIELD  (NO)
                    52:  MINIMUM LENGTH  (0)
                    52:  EXACT LENGTH TABLE  (NO)
                    52:  RANGE  (NO)
                    52:  ALLOWABLE ENTRY  (NO)
                    52:  SUBSTITUTION  (NO)
                    52:  JUSTIFICATION  (LEFT)
                    52:  FILL CHARACTER  ( )
                    52:  FLOAT CHARACTER  ( )
                    52:  DECIMAL POSITIONS  (0)
                    52:  SIGN POSITION  (LEADING)
                    52:  AUTO CLOSE  (YES)
                    52:  ARITHMETIC OPERATION  (NO)
                    52:  AUTO FILL-IN  (NO)
                    52:  NEXT PAGE NUMBER  (YES - PAGE 7)
                    52:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

                          BRANCH: MINIMUM LENGTH  (0)
                         BRANCH: MAXIMUM LENGTH  (1)
                         BRANCH: EXACT LENGTH TABLE  (NO)
                        BRANCH: RANGE  (NO)
                         BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                         X;))
                    52:  AUTO-INCREMENT  (NO)
                    52:  OUTPUT TO MEMORY CELL  (NO)
                    52:  OUTPUT TO DISKETTE  (NO)
```

BIOFORM-01

LOAD
RECORD TYPE:
EIGHT

```
53:  TAB STOP  (YES)
53:  INPUT TYPE  (KEYBOARD)
53:  CHARACTER TYPE  (PRINTABLE)
53:  SECURITY FIELD  (NO)
53:  OVERRIDE ERROR FIELD  (NO)
53:  MINIMUM LENGTH  (0)
53:  EXACT LENGTH TABLE  (NO)
53:  RANGE  (NO)
53:  ALLOWABLE ENTRY  (NO)
53:  SUBSTITUTION  (NO)
53:  JUSTIFICATION  (LEFT)
53:  FILL CHARACTER  ( )
53:  FLOAT CHARACTER  ( )
53:  DECIMAL POSITIONS  (0)
53:  SIGN POSITION  (LEADING)
53:  AUTO CLOSE  (YES)
53:  ARITHMETIC OPERATION  (NO)
53:  AUTO FILL-IN  (NO)
53:  NEXT PAGE NUMBER  (NO)
53:  BRANCHING  (NO)
```

```
53:  AUTO-INCREMENT  (NO)
53:  OUTPUT TO MEMORY CELL  (NO)
53:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
NINE

```
54:  TAB STOP  (YES)
54:  INPUT TYPE (KEYBOARD)
54:  CHARACTER TYPE  (PRINTABLE)
54:  SECURITY FIELD  (NO)
54:  OVERRIDE ERROR FIELD  (NO)
54:  MINIMUM LENGTH  (0)
54:  EXACT LENGTH TABLE  (NO)
54:  RANGE  (NO)
54:  ALLOWABLE ENTRY  (NO)
54:  SUBSTITUTION  (NO)
54:  JUSTIFICATION  (LEFT)
54:  FILL CHARACTER  ( )
54:  FLOAT CHARACTER  ( )
54:  DECIMAL POSITIONS  (0)
54:  SIGN POSITION  (LEADING)
54:  AUTO CLOSE  (YES)
54:  ARITHMETIC OPERATION  (NO)
54:  AUTO FILL-IN  (NO)
54:  NEXT PAGE NUMBER  (YES - PAGE 8)
54:  BRANCHING  (TEST  LINE: 23  POSITION:  80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X))
54:  AUTO-INCREMENT  (NO)
54:  OUTPUT TO MEMORY CELL  (NO)
54:  OUTPUT TO DISKETTE  (NO)
```

## APPENDIX B-2: BIOFORM - -2

## LAYOUT FILE

```
REPLICATE DATA                              FORM PAGE 02

ACTION FIELD <        RECORD TYPE <     SEQUENCE NO: YEAR <<   COLLECTION NO <<<<<
REPLICATE <<          SPECIES <<<<<<<<<<             STATUS <      LINE NUMBER <<<

COLLECTION SIZE <<<<<<                   SAMPLE SIZE <<<<<<

NUMBER OF RECORD TYPE III'S <<           QUALITY <

FILL <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
FILL <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

-----------LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'----------
ONE <   TWO <   THREE <   FOUR <   FIVE <   SIX <   SEVEN <   EIGHT <   NINE <
```

BIOFORM-02 ATTRIBUTES

ACTION FIELD

```
TAB STOP  (YES)
1:  INPUT TYPE  (KEYBOARD-CONSTANT:  )
1:  CHARACTER TYPE  (ALPHA)
1:  SECURITY FIELD  (NO)
1:  OVERRIDE ERROR FIELD  ( NO)
1:  MINIMUM LENGTH  (0)
1:  EXACT LENGTH TABLE  (NO)
1:  RANGE  (NO)
1:  ALLOWABLE ENTRY  (YES:
    DRIVE: 1  FILE: ACTION)
1:  SUBSTITUTION  (NO)
1:  JUSTIFICATION  (LEFT)
1:  FILL CHARACTER  ( )
1:  FLOAT CHARACTER  ( )
1:  DECIMAL POSITIONS  (0)
1:  SIGN POSITION  (LEADING)
1:  AUTO CLOSE  (YES)
1:  ARITHMETIC OPERATION  (NO)
1:  AUTO FILL-IN  (NO)
1:  NEXT PAGE NUMBER  (NO)
1:  BRANCHING  (NO)
1:  AUTO-INCREMENT  (NO)
1:  OUTPUT TO MEMORY CELL  (NO)
1:  OUTPUT TO DISKETTE  (YES)
```

RECORD TYPE

```
2:  TAB STOP  (YES)
2:  INPUT TYPE  (CONSTANT: 2)
2:  CHARACTER TYPE  (PRINTABLE)
2:  SECURITY FIELD  (NO)
2:  OVERRIDE ERROR FIELD  ( NO )
2:  MINIMUM LENGTH  (0)
2:  EXACT LENGTH TABLE  (NO)
2:  RANGE  (NO)
2:  ALLOWABLE ENTRY  (NO)
2:  SUBSTITUTION  (NO)
2:  JUSTIFICATION  (LEFT)
2:  FILL CHARACTER  ( )
2:  FLOAT CHARACTER  ( )
2:  DECIMAL POSITIONS  (0)
2:  SIGN POSITION  (LEADING)
2:  AUTO CLOSE  (YES)
2:  ARITHMETIC OPERATION  (NO)
2:  AUTO FILL-IN  (NO)
2:  NEXT PAGE NUMBER  (NO)
2:  BRANCHING  (NO)
2:  AUTO-INCREMENT  (NO)
2:  OUTPUT TO MEMORY CELL  (NO)
2:  OUTPUT TO DISKETTE  (YES)
```

SEQUENCE NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES: 2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ( )
3: FLOAT CHARACTER ( )
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE NO: COLLECTION NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (Ø)
4: FLOAT CHARACTER (Ø)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-02

REPLICATE

5: TAB STOP (YES)
5: INPUT TYPE (KEYBOARD)
5: CHARACTER TYPE (DIGIT)
5: SECURITY FIELD (NO)
5: OVERRIDE ERROR FIELD (NO)
5: MINIMUM LENGTH (1)
5: EXACT LENGTH TABLE (NO)
5: RANGE (NO)
5: ALLOWABLE ENTRY (NO)
5: SUBSTITUTION (NO)
5: JUSTIFICATION (RIGHT)
5: FILL CHARACTER ( )
5: FLOAT CHARACTER (0)
5: DECIMAL POSITIONS (0)
5: SIGN POSITION (LEADING)
5: AUTO CLOSE (YES)
5: ARITHMETIC OPERATION (NO)
5: AUTO FILL-IN (NO)
5: NEXT PAGE NUMBER (NO)
5: BRANCHING (FIXED LINE: 7 POSITION: 1)
5: AUTO-INCREMENT (NO)
5: OUTPUT TO MEMORY CELL (NO)
5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
6: INPUT TYPE (KEYBOARD)
6: CHARACTER TYPE (PRINTABLE)
6: SECURITY FIELD (NO)
6: OVERRIDE ERROR FIELD (NO)
6: MINIMUM LENGTH (0)
6: EXACT LENGTH TABLE (NO)
6: RANGE (NO)
6: ALLOWABLE ENTRY (NO)
6: SUBSTITUTION (NO)
6: JUSTIFICATION (LEFT)
6: FILL CHARACTER ( )
6: FLOAT CHARACTER ( )
6: DECIMAL POSITIONS (0)
6: SIGN POSITION (LEADING)
6: AUTO CLOSE (YES)
6: ARITHMETIC OPERATION (NO)
6: AUTO FILL-IN (NO)
6: NEXT PAGE NUMBER (NO)
6: BRANCHING (NO)
6: AUTO-INCREMENT (NO)
6: OUTPUT TO MEMORY CELL (NO)
6: OUTPUT TO DISKETTE (YES)

STATUS

```
7:  TAB STOP  (YES)
7:  INPUT TYPE  (KEYBOARD)
7:  CHARACTER TYPE  (PRINTABLE)
7:  SECURITY FIELD  (NO)
7:  OVERRIDE ERROR FIELD  (NO)
7:  MINIMUM LENGTH  (0)
7:  EXACT LENGTH TABLE  (NO)
7:  RANGE  (NO)
7:  ALLOWABLE ENTRY  (NO)
7:  SUBSTITUTION  (NO)
7:  JUSTIFICATION  (LEFT)
7:  FILL CHARACTER  ( )
7:  FLOAT CHARACTER  ( )
7:  DECIMAL POSITIONS  (0)
7:  SIGN POSITION  (LEADING)
7:  AUTO CLOSE  (YES)
7:  ARITHMETIC OPERATION  (NO)
7:  AUTO FILL-IN  (NO)
7:  NEXT PAGE NUMBER  (NO)
7:  BRANCHING  (NO)
7:  AUTO-INCREMENT  (NO)
7:  OUTPUT TO MEMORY CELL  (NO)
7:  OUTPUT TO DISKETTE  (YES)
```

LINE NUMBER

```
8:  TAB STOP  (YES)
8:  INPUT TYPE  (KEYBOARD)
8:  CHARACTER TYPE  (PRINTABLE)
8:  SECURITY FIELD  (NO)
8:  OVERRIDE ERROR FIELD  (NO)
8:  MINIMUM LENGTH  (0)
8:  EXACT LENGTH TABLE  (NO)
8:  RANGE  (NO)
8:  ALLOWABLE ENTRY  (NO)
8:  SUBSTITUTION  (NO)
8:  JUSTIFICATION  (LEFT)
8:  FILL CHARACTER  ( )
8:  FLOAT CHARACTER  ( )
8:  DECIMAL POSITIONS  (0)
8:  SIGN POSITION  (LEADING)
8:  AUTO CLOSE  (YES)
8:  ARITHMETIC OPERATION  (NO)
8:  AUTO FILL-IN  (NO)
8:  NEXT PAGE NUMBER  (NO)
8:  BRANCHING  (NO)
8:  AUTO-INCREMENT  (NO)
8:  OUTPUT TO MEMORY CELL  (NO)
8:  OUTPUT TO DISKETTE  (YES)
```

COLLECTION SIZE

```
9:  TAB STOP  (YES)
9:  INPUT TYPE  (KEYBOARD)
9:  CHARACTER TYPE  (PRINTABLE)
9:  SECURITY FIELD  (NO)
9:  OVERRIDE ERROR FIELD  (YES)
9:  MINIMUM LENGTH  (1)
9:  EXACT LENGTH TABLE  (NO)
9:  RANGE  (NO)
9:  ALLOWABLE ENTRY  (NO)
9:  SUBSTITUTION  (YES - RAM:
      .,999999;)
9:  JUSTIFICATION  (RIGHT)
9:  FILL CHARACTER  (0)
9:  FLOAT CHARACTER  (0)
9:  DECIMAL POSITIONS  (0)
9:  SIGN POSITION  (LEADING)
9:  AUTO CLOSE  (YES)
9:  ARITHMETIC OPERATION  (NO)
9:  AUTO FILL-IN  (NO)
9:  NEXT PAGE NUMBER  (NO)
9:  BRANCHING  (NO)
9:  AUTO-INCREMENT  (NO)
9:  OUTPUT TO MEMORY CELL  (NO)
9:  OUTPUT TO DISKETTE  (YES)
```

SAMPLE SIZE

```
10:  TAB STOP  (YES)
10:  INPUT TYPE  (KEYBOARD)
10:  CHARACTER TYPE  (PRINTABLE)
10:  SECURITY FIELD  (NO)
10:  OVERRIDE ERROR FIELD  (YES)
10:  MINIMUM LENGTH  (1)
10:  EXACT LENGTH TABLE  (NO)
10:  RANGE  (NO)
10:  ALLOWABLE ENTRY  (NO)
10:  SUBSTITUTION  (YES - RAM:
       .,999999;)
10:  JUSTIFICATION  (RIGHT)
10:  FILL CHARACTER  (0)
10:  FLOAT CHARACTER  (0)
10:  DECIMAL POSITIONS  (0)
10:  SIGN POSITION  (LEADING)
10:  AUTO CLOSE  (YES)
10:  ARITHMETIC OPERATION  (NO)
10:  AUTO FILL-IN  (NO)
10:  NEXT PAGE NUMBER  (NO)
10:  BRANCHING  (NO)
10:  AUTO-INCREMENT  (NO)
10:  OUTPUT TO MEMORY CELL  (NO)
10:  OUTPUT TO DISKETTE  (YES)
```

| | | |
|---|---|---|
| NUMBER OF RECORD TYPE III'S | 11: | TAB STOP (YES) |
| | 11: | INPUT TYPE (KEYBOARD) |
| | 11: | CHARACTER TYPE (DIGIT) |
| | 11: | SECURITY FIELD (NO) |
| | 11: | OVERRIDE ERROR FIELD (YES) |
| | 11: | MINIMUM LENGTH (1) |
| | 11: | EXACT LENGTH TABLE (NO) |
| | 11: | RANGE (YES: FROM: 00 TO: 30) |
| | 11: | ALLOWABLE ENTRY (NO) |
| | 11: | SUBSTITUTION (NO) |
| | 11: | JUSTIFICATION (RIGHT) |
| | 11: | FILL CHARACTER (0) |
| | 11: | FLOAT CHARACTER (0) |
| | 11: | DECIMAL POSITIONS (0) |
| | 11: | SIGN POSITION (LEADING) |
| | 11: | AUTO CLOSE (YES) |
| | 11: | ARITHMETIC OPERATION (NO) |
| | 11: | AUTO FILL-IN (NO) |
| | 11: | NEXT PAGE NUMBER (NO) |
| | 11: | BRANCHING (NO) |
| | 11: | AUTO-INCREMENT (NO) |
| | 11: | OUTPUT TO MEMORY CELL (NO) |
| | 11: | OUTPUT TO DISKETTE (YES) |
| QUALITY | 12: | TAB STOP (YES) |
| | 12: | INPUT TYPE (KEYBOARD-CONSTANT: 0) |
| | 12: | CHARACTER TYPE (DIGIT) |
| | 12: | SECURITY FIELD (NO) |
| | 12: | OVERRIDE ERROR FIELD (YES) |
| | 12: | MINIMUM LENGTH (0) |
| | 12: | EXACT LENGTH TABLE (NO) |
| | 12: | RANGE (YES: FROM: 0 TO: 4) |
| | 12: | ALLOWABLE ENTRY (NO) |
| | 12: | SUBSTITUTION (NO) |
| | 12: | JUSTIFICATION (LEFT) |
| | 12: | FILL CHARACTER ( ) |
| | 12: | FLOAT CHARACTER ( ) |
| | 12: | DECIMAL POSITIONS (0) |
| | 12: | SIGN POSITION (LEADING) |
| | 12: | AUTO CLOSE (YES) |
| | 12: | ARITHMETIC OPERATION (NO) |
| | 12: | AUTO FILL-IN (NO) |
| | 12: | NEXT PAGE NUMBER (NO) |
| | 12: | BRANCHING (FIXED LINE: 17 POSITION: 1) |
| | 12: | AUTO-INCREMENT (NO) |
| | 12: | OUTPUT TO MEMORY CELL (NO) |
| | 12: | OUTPUT TO DISKETTE (YES) |

BIOFORM-02

```
FILL                TAB STOP  (YES)
                    13:  INPUT TYPE  (CONSTANT:  )
                    13:  CHARACTER TYPE  (PRINTABLE)
                    13:  SECURITY FIELD  (NO)
                    13:  OVERRIDE ERROR FIELD  (NO)
                    13:  MINIMUM LENGTH  (0)
                    13:  EXACT LENGTH TABLE  (NO)
                    13:  RANGE  (NO)
                    13:  ALLOWABLE ENTRY  (NO)
                    13:  SUBSTITUTION  (NO)
                    13:  JUSTIFICATION  (LEFT)
                    13:  FILL CHARACTER  ( )
                    13:  FLOAT CHARACTER  ( )
                    13:  DECIMAL POSITIONS  (0)
                    13:  SIGN POSITION  (LEADING)
                    13:  AUTO CLOSE  (YES)
                    13:  ARITHMETIC OPERATION  (NO)
                    13:  AUTO FILL-IN  (NO)
                    13:  NEXT PAGE NUMBER  (NO)
                    13:  BRANCHING  (NO)
                    13:  AUTO-INCREMENT  (NO)
                    13:  OUTPUT TO MEMORY CELL  (NO)
                    13:  OUTPUT TO DISKETTE  (YES)

FILL                TAB STOP  (YES)
                    14:  INPUT TYPE  (CONSTANT:  )
                    14:  CHARACTER TYPE  (PRINTABLE)
                    14:  SECURITY FIELD  (NO)
                    14:  OVERRIDE ERROR FIELD  (NO)
                    14:  MINIMUM LENGTH  (0)
                    14:  EXACT LENGTH TABLE  (NO)
                    14:  RANGE  (NO)
                    14:  ALLOWABLE ENTRY  (NO)
                    14:  SUBSTITUTION  (NO)
                    14:  JUSTIFICATION  (LEFT)
                    14:  FILL CHARACTER  ( )
                    14:  FLOAT CHARACTER  ( )
                    14:  DECIMAL POSITIONS  (0)
                    14:  SIGN POSITION  (LEADING)
                    14:  AUTO CLOSE  (YES)
                    14:  ARITHMETIC OPERATION  (NO)
                    14:  AUTO FILL-IN  (NO)
                    14:  NEXT PAGE NUMBER  (NO)
                    14:  BRANCHING  (NO)
                    14:  AUTO-INCREMENT  (NO)
                    14:  OUTPUT TO MEMORY CELL  (NO)
                    14:  OUTPUT TO DISKETTE  (YES)
```

LOAD
RECORD TYPE:
ONE

```
15:  TAB STOP  (YES)
15:  INPUT TYPE  (KEYBOARD)
15:  CHARACTER TYPE  (PRINTABLE)
15:  SECURITY FIELD  (NO)
15:  OVERRIDE ERROR FIELD  (NO)
15:  MINIMUM LENGTH  (0)
15:  EXACT LENGTH TABLE  (NO)
15:  RANGE  (NO)
15:  ALLOWABLE ENTRY  (NO)
15:  SUBSTITUTION  (NO)
15:  JUSTIFICATION  (LEFT)
15:  FILL CHARACTER  ( )
15:  FLOAT CHARACTER  ( )
15:  DECIMAL POSITIONS  (0)
15:  SIGN POSITION  (LEADING)
15:  AUTO CLOSE  (YES)
15:  ARITHMETIC OPERATION  (NO)
15:  AUTO FILL-IN  (NO)
15:  NEXT PAGE NUMBER (YES - PAGE 1)
15:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

      BRANCH: MINIMUM LENGTH  (0)
     BRANCH: MAXIMUM LENGTH  (1)
     BRANCH: EXACT LENGTH TABLE  (NO)
    BRANCH: RANGE  (NO)
     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
     X;))
15:  AUTO-INCREMENT  (NO)
15:  OUTPUT TO MEMORY CELL  (NO)
15:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
TWO

```
16:  TAB STOP  (YES)
16:  INPUT TYPE  (KEYBOARD)
16:  CHARACTER TYPE  (PRINTABLE)
16:  SECURITY FIELD  (NO)
16:  OVERRIDE ERROR FIELD  (NO)
16:  MINIMUM LENGTH  (0)
16:  EXACT LENGTH TABLE  (NO)
16:  RANGE  (NO)
16:  ALLOWABLE ENTRY  (NO)
16:  SUBSTITUTION  (NO)
16:  JUSTIFICATION  (LEFT)
16:  FILL CHARACTER  ( )
16:  FLOAT CHARACTER  ( )
16:  DECIMAL POSITIONS  (0)
16:  SIGN POSITION  (LEADING)
16:  AUTO CLOSE  (YES)
16:  ARITHMETIC OPERATION  (NO)
16:  AUTO FILL-IN  (NO)
16:  NEXT PAGE NUMBER (YES - PAGE 2)
16:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

      BRANCH: MINIMUM LENGTH  (0)
     BRANCH: MAXIMUM LENGTH  (1)
     BRANCH: EXACT LENGTH TABLE  (NO)
    BRANCH: RANGE  (NO)
     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
     X;))
16:  AUTO-INCREMENT  (NO)
16:  OUTPUT TO MEMORY CELL  (NO)
16:  OUTPUT TO DISKETTE  (NO)
```

BIOFORM-02

LOAD
RECORD TYPE:
THREE

```
17:  TAB STOP  (YES)
17:  INPUT TYPE  (KEYBOARD)
17:  CHARACTER TYPE  (PRINTABLE)
17:  SECURITY FIELD  (NO)
17:  OVERRIDE ERROR FIELD  (NO)
17:  MINIMUM LENGTH  (0)
17:  EXACT LENGTH TABLE  (NO)
17:  RANGE  (NO)
17:  ALLOWABLE ENTRY  (NO)
17:  SUBSTITUTION  (NO)
17:  JUSTIFICATION  (LEFT)
17:  FILL CHARACTER  ( )
17:  FLOAT CHARACTER  ( )
17:  DECIMAL POSITIONS  (0)
17:  SIGN POSITION  (LEADING)
17:  AUTO CLOSE  (YES)
17:  ARITHMETIC OPERATION  (NO)
17:  AUTO FILL-IN  (NO)
17:  NEXT PAGE NUMBER (YES - PAGE 3)
17:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

      BRANCH: MINIMUM LENGTH  (0)
     BRANCH: MAXIMUM LENGTH  (1)
     BRANCH: EXACT LENGTH TABLE  (NO)
    BRANCH: RANGE  (NO)
     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
     X;))
17:  AUTO-INCREMENT  (NO)
17:  OUTPUT TO MEMORY CELL  (NO)
17:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
FOUR

```
18:  TAB STOP  (YES)
18:  INPUT TYPE  (KEYBOARD)
18:  CHARACTER TYPE  (PRINTABLE)
18:  SECURITY FIELD  (NO)
18:  OVERRIDE ERROR FIELD  (NO)
18:  MINIMUM LENGTH  (0)
18:  EXACT LENGTH TABLE  (NO)
18:  RANGE  (NO)
18:  ALLOWABLE ENTRY  (NO)
18:  SUBSTITUTION  (NO)
18:  JUSTIFICATION  (LEFT)
18:  FILL CHARACTER  ( )
18:  FLOAT CHARACTER  ( )
18:  DECIMAL POSITIONS  (0)
18:  SIGN POSITION  (LEADING)
18:  AUTO CLOSE  (YES)
18:  ARITHMETIC OPERATION  (NO)
18:  AUTO FILL-IN  (NO)
18:  NEXT PAGE NUMBER (YES - PAGE 4)
18:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

      BRANCH: MINIMUM LENGTH  (0)
     BRANCH: MAXIMUM LENGTH  (1)
     BRANCH: EXACT LENGTH TABLE  (NO)
    BRANCH: RANGE  (NO)
     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
     X;))
18:  AUTO-INCREMENT  (NO)
18:  OUTPUT TO MEMORY CELL  (NO)
18:  OUTPUT TO DISKETTE  (NO)
```

BIOFORM-02

LOAD
RECORD TYPE:
FIVE

```
19:  TAB STOP  (YES)
19:  INPUT TYPE  (KEYBOARD)
19:  CHARACTER TYPE  (PRINTABLE)
19:  SECURITY FIELD  (NO)
19:  OVERRIDE ERROR FIELD  (NO)
19:  MINIMUM LENGTH  (0)
19:  EXACT LENGTH TABLE  (NO)
19:  RANGE  (NO)
19:  ALLOWABLE ENTRY  (NO)
19:  SUBSTITUTION  (NO)
19:  JUSTIFICATION  (LEFT)
19:  FILL CHARACTER  ( )
19:  FLOAT CHARACTER  ( )
19:  DECIMAL POSITIONS  (0)
19:  SIGN POSITION  (LEADING)
19:  AUTO CLOSE  (YES)
19:  ARITHMETIC OPERATION  (NO)
19:  AUTO FILL-IN  (NO)
19:  NEXT PAGE NUMBER  (YES - PAGE 5)
19:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
     BRANCH: MAXIMUM LENGTH  (1)
     BRANCH: EXACT LENGTH TABLE  (NO)
     BRANCH: RANGE  (NO)
     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
     X;))
```

LOAD
RECORD TYPE:
SIX

```
19:  AUTO-INCREMENT  (NO)
19:  OUTPUT TO MEMORY CELL  (NO)
19:  OUTPUT TO DISKETTE  (NO)

20:  TAB STOP  (YES)
20:  INPUT TYPE  (KEYBOARD)
20:  CHARACTER TYPE  (PRINTABLE)
20:  SECURITY FIELD  (NO)
20:  OVERRIDE ERROR FIELD  (NO)
20:  MINIMUM LENGTH  (0)
20:  EXACT LENGTH TABLE  (NO)
20:  RANGE  (NO)
20:  ALLOWABLE ENTRY  (NO)
20:  SUBSTITUTION  (NO)
20:  JUSTIFICATION  (LEFT)
20:  FILL CHARACTER  ( )
20:  FLOAT CHARACTER  ( )
20:  DECIMAL POSITIONS  (0)
20:  SIGN POSITION  (LEADING)
20:  AUTO CLOSE  (YES)
20:  ARITHMETIC OPERATION  (NO)
20:  AUTO FILL-IN  (NO)
20:  NEXT PAGE NUMBER  (YES - PAGE 6)
20:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
     BRANCH: MAXIMUM LENGTH  (1)
     BRANCH: EXACT LENGTH TABLE  (NO)
     BRANCH: RANGE  (NO)
     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
     X;))
20:  AUTO-INCREMENT  (NO)
20:  OUTPUT TO MEMORY CELL  (NO)
20:  OUTPUT TO DISKETTE  (NO)
```

BIOFORM-02

LOAD
RECORD TYPE:
SEVEN

```
21:  TAB STOP  (YES)
21:  INPUT TYPE (KEYBOARD)
21:  CHARACTER TYPE  (PRINTABLE)
21:  SECURITY FIELD  (NO)
21:  OVERRIDE ERROR FIELD  (NO)
21:  MINIMUM LENGTH  (0)
21:  EXACT LENGTH TABLE  (NO)
21:  RANGE  (NO)
21:  ALLOWABLE ENTRY  (NO)
21:  SUBSTITUTION  (NO)
21:  JUSTIFICATION  (LEFT)
21:  FILL CHARACTER  ( )
21:  FLOAT CHARACTER  ( )
21:  DECIMAL POSITIONS  (0)
21:  SIGN POSITION  (LEADING)
21:  AUTO CLOSE  (YES)
21:  ARITHMETIC OPERATION  (NO)
21:  AUTO FILL-IN  (NO)
21:  NEXT PAGE NUMBER  (YES - PAGE 7 )
21:  BRANCHING  (TEST  LINE: 23  POSITION:80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
21:  AUTO-INCREMENT  (NO)
21:  OUTPUT TO MEMORY CELL  (NO)
21:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
EIGHT

```
22:  TAB STOP  (YES)
22:  INPUT TYPE  (KEYBOARD)
22:  CHARACTER TYPE  (PRINTABLE)
22:  SECURITY FIELD  (NO)
22:  OVERRIDE ERROR FIELD  (NO)
22:  MINIMUM LENGTH  (0)
22:  EXACT LENGTH TABLE  (NO)
22:  RANGE  (NO)
22:  ALLOWABLE ENTRY  (NO)
22:  SUBSTITUTION  (NO)
22:  JUSTIFICATION  (LEFT)
22:  FILL CHARACTER  ( )
22:  FLOAT CHARACTER  ( )
22:  DECIMAL POSITIONS  (0)
22:  SIGN POSITION  (LEADING)
22:  AUTO CLOSE  (YES)
22:  ARITHMETIC OPERATION  (NO)
22:  AUTO FILL-IN  (NO)
22:  NEXT PAGE NUMBER  (NO)
22:  BRANCHING  (NO)
```

```
22:  AUTO-INCREMENT  (NO)
22:  OUTPUT TO MEMORY CELL  (NO)
22:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
NINE

```
BIOFORM-02
23:  TAB STOP  (YES)
23:  INPUT TYPE  (CONSTANT: X)
23:  CHARACTER TYPE  (PRINTABLE)
23:  SECURITY FIELD  (NO)
23:  OVERRIDE ERROR FIELD  (NO)
23:  MINIMUM LENGTH  (0)
23:  EXACT LENGTH TABLE  (NO)
23:  RANGE  (NO)
23:  ALLOWABLE ENTRY  (NO)
23:  SUBSTITUTION  (NO)
23:  JUSTIFICATION  (LEFT)
23:  FILL CHARACTER  ( )
23:  FLOAT CHARACTER  ( )
23:  DECIMAL POSITIONS  (0)
23:  SIGN POSITION  (LEADING)
23:  AUTO CLOSE  (YES)
23:  ARITHMETIC OPERATION  (NO)
23:  AUTO FILL-IN  (NO)
23:  NEXT PAGE NUMBER  (YES - PAGE 3)
23:  BRANCHING  (TEST  LINE: 18  POSITION: 78:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
23:  AUTO-INCREMENT  (NO)
23:  OUTPUT TO MEMORY CELL  (NO)
23:  OUTPUT TO DISKETTE  (NO)
```

```
SPECIES DATA                                FORM PAGE 03

ACTION FIELD <     RECORD TYPE <     SEQUENCE NO: YEAR <<  COLLECTION NO <<<<<
REPLICATE <<       SPECIES <<<<<<<<<<        STATUS <      LINE NUMBER <<<

COLLECTION NUMBER <<<<<                  COLLECTION WEIGHT <<<<<<

SAMPLE NUMBER <<<<<                      SAMPLE WEIGHT <<<<<<

SUBSAMPLE NUMBER <<<<<                   SUBSAMPLE WEIGHT <<<<<<

FORM OF RECORD TYPE FOUR <

TAG TYPE <                               NUMBER TAGGED <<<<<
TAG TYPE <                               NUMBER TAGGED <<<<<

FILL <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
----------LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'----------
ONE <   TWO <   THREE <   FOUR <   FIVE <   SIX <   SEVEN <   EIGHT <   NINE <
```

BIOFORM-03 ATTRIBUTES

ACTION FIELD

```
TAB STOP  (YES)
1:  INPUT TYPE  (KEYBOARD-CONSTANT:  )
1:  CHARACTER TYPE  (ALPHA)
1:  SECURITY FIELD  (NO)
1:  OVERRIDE ERROR FIELD  ( NO )
1:  MINIMUM LENGTH  (0)
1:  EXACT LENGTH TABLE  (NO)
1:  RANGE  (NO)
1:  ALLOWABLE ENTRY  (YES:
   DRIVE: 1  FILE: ACTION)
1:  SUBSTITUTION  (NO)
1:  JUSTIFICATION  (LEFT)
1:  FILL CHARACTER  ( )
1:  FLOAT CHARACTER  ( )
1:  DECIMAL POSITIONS  (0)
1:  SIGN POSITION  (LEADING)
1:  AUTO CLOSE  (YES)
1:  ARITHMETIC OPERATION  (NO)
1:  AUTO FILL-IN  (NO)
1:  NEXT PAGE NUMBER  (NO)
1:  BRANCHING  (NO)
1:  AUTO-INCREMENT  (NO)
1:  OUTPUT TO MEMORY CELL  (NO)
1:  OUTPUT TO DISKETTE  (YES)
```

RECORD TYPE

```
2:  TAB STOP  (YES)
2:  INPUT TYPE  (CONSTANT: 3)
2:  CHARACTER TYPE  (PRINTABLE)
2:  SECURITY FIELD  (NO)
2:  OVERRIDE ERROR FIELD  ( NO )
2:  MINIMUM LENGTH  (0)
2:  EXACT LENGTH TABLE  (NO)
2:  RANGE  (NO)
2:  ALLOWABLE ENTRY  (NO)
2:  SUBSTITUTION  (NO)
2:  JUSTIFICATION  (LEFT)
2:  FILL CHARACTER  ( )
2:  FLOAT CHARACTER  ( )
2:  DECIMAL POSITIONS  (0)
2:  SIGN POSITION  (LEADING)
2:  AUTO CLOSE  (YES)
2:  ARITHMETIC OPERATION  (NO)
2:  AUTO FILL-IN  (NO)
2:  NEXT PAGE NUMBER  (NO)
2:  BRANCHING  (NO)
2:  AUTO-INCREMENT  (NO)
2:  OUTPUT TO MEMORY CELL  (NO)
2:  OUTPUT TO DISKETTE  (YES)
```

BIOFORM-03

SEQUENCE NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD ( NO )
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES: 2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ( )
3: FLOAT CHARACTER ( )
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE NO: COLLECTION NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO )
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-03

REPLICATE

5: TAB STOP (YES)
5: INPUT TYPE (KEYBOARD)
5: CHARACTER TYPE (DIGIT)
5: SECURITY FIELD (NO)
5: OVERRIDE ERROR FIELD ( NO )
5: MINIMUM LENGTH (1)
5: EXACT LENGTH TABLE (NO)
5: RANGE (NO)
5: ALLOWABLE ENTRY (NO)
5: SUBSTITUTION (NO)
5: JUSTIFICATION (RIGHT)
5: FILL CHARACTER (0)
5: FLOAT CHARACTER (0)
5: DECIMAL POSITIONS (0)
5: SIGN POSITION (LEADING)
5: AUTO CLOSE (YES)
5: ARITHMETIC OPERATION (NO)
5: AUTO FILL-IN (NO)
5: NEXT PAGE NUMBER (NO)
5: BRANCHING (NO)
5: AUTO-INCREMENT (NO)
5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
6: INPUT TYPE (KEYBOARD)
6: CHARACTER TYPE (DIGIT)
6: SECURITY FIELD (NO)
6: OVERRIDE ERROR FIELD ( NO )
6: MINIMUM LENGTH (0)
6: EXACT LENGTH TABLE (YES:
10)
6: RANGE (NO)
6: ALLOWABLE ENTRY (NO)
6: SUBSTITUTION (NO)
6: JUSTIFICATION (LEFT)
6: FILL CHARACTER ( )
6: FLOAT CHARACTER ( )
6: DECIMAL POSITIONS (0)
6: SIGN POSITION (LEADING)
6: AUTO CLOSE (YES)
6: ARITHMETIC OPERATION (NO)
6: AUTO FILL-IN (NO)
6: NEXT PAGE NUMBER (NO)
6: BRANCHING (NO)
6: AUTO-INCREMENT (NO)
6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
6: OUTPUT TO DISKETTE (YES)

BIOFORM-03

STATUS

```
7:  TAB STOP  (YES)
7:  INPUT TYPE  (KEYBOARD-CONSTANT: 0)
7:  CHARACTER TYPE  (DIGIT)
7:  SECURITY FIELD  (NO)
7:  OVERRIDE ERROR FIELD  ( NO )
7:  MINIMUM LENGTH  (1)
7:  EXACT LENGTH TABLE  (NO)
7:  RANGE  (YES:
      FROM: 0  TO: 4)
7:  ALLOWABLE ENTRY  (NO)
7:  SUBSTITUTION  (YES - RAM:
      ,0;)
7:  JUSTIFICATION  (LEFT)
7:  FILL CHARACTER  ( )
7:  FLOAT CHARACTER  ( )
7:  DECIMAL POSITIONS  (0)
7:  SIGN POSITION  (LEADING)
7:  AUTO CLOSE  (YES)
7:  ARITHMETIC OPERATION  (NO)
7:  AUTO FILL-IN  (NO)
7:  NEXT PAGE NUMBER  (NO)
7:  BRANCHING  (FIXED  LINE: 7  POSITION: 1)
7:  AUTO-INCREMENT  (NO)
7:  OUTPUT TO MEMORY CELL  (YES - MEMORY CELL # 5)
7:  OUTPUT TO DISKETTE  (YES)
```

LINE NUMBER

```
8:  TAB STOP  (YES)
8:  INPUT TYPE  (KEYBOARD)
8:  CHARACTER TYPE  (PRINTABLE)
8:  SECURITY FIELD  (NO)
8:  OVERRIDE ERROR FIELD  (NO)
8:  MINIMUM LENGTH  (0)
8:  EXACT LENGTH TABLE  (NO)
8:  RANGE  (NO)
8:  ALLOWABLE ENTRY  (NO)
8:  SUBSTITUTION  (NO)
8:  JUSTIFICATION  (LEFT)
8:  FILL CHARACTER  ( )
8:  FLOAT CHARACTER  ( )
8:  DECIMAL POSITIONS  (0)
8:  SIGN POSITION  (LEADING)
8:  AUTO CLOSE  (YES)
8:  ARITHMETIC OPERATION  (NO)
8:  AUTO FILL-IN  (NO)
8:  NEXT PAGE NUMBER  (NO)
8:  BRANCHING  (NO)
8:  AUTO-INCREMENT  (NO)
8:  OUTPUT TO MEMORY CELL  (NO)
8:  OUTPUT TO DISKETTE  (YES)
```

COLLECTION NUMBER

```
9:  TAB STOP  (YES)
9:  INPUT TYPE  (KEYBOARD)
9:  CHARACTER TYPE (PRINTABLE)
9:  SECURITY FIELD  (NO)
9:  OVERRIDE ERROR FIELD  (YES)
9:  MINIMUM LENGTH  (1)
9:  EXACT LENGTH TABLE  (NO)
9:  RANGE  (NO)
9:  ALLOWABLE ENTRY  (NO)
9:  SUBSTITUTION  (YES - RAM:
     .,99999;)
9:  JUSTIFICATION  (RIGHT)
9:  FILL CHARACTER  (0)
9:  FLOAT CHARACTER  (0)
9:  DECIMAL POSITIONS  (0)
9:  SIGN POSITION  (LEADING)
9:  AUTO CLOSE  (YES)
9:  ARITHMETIC OPERATION  (NO)
9:  AUTO FILL-IN  (NO)
9:  NEXT PAGE NUMBER  (NO)
9:  BRANCHING  (NO)
9:  AUTO-INCREMENT  (NO)
9:  OUTPUT TO MEMORY CELL  (NO)
9:  OUTPUT TO DISKETTE  (YES)
```

COLLECTION WEIGHT

```
10:  TAB STOP  (YES)
10:  INPUT TYPE  (KEYBOARD)
10:  CHARACTER TYPE  (PRINTABLE)
10:  SECURITY FIELD  (NO)
10:  OVERRIDE ERROR FIELD  (YES)
10:  MINIMUM LENGTH  (1)
10:  EXACT LENGTH TABLE  (NO)
10:  RANGE  (NO)
10:  ALLOWABLE ENTRY  (NO)
10:  SUBSTITUTION  (YES - RAM:
     .,999999;)
10:  JUSTIFICATION (RIGHT)
10:  FILL CHARACTER  (0)
10:  FLOAT CHARACTER  (0)
10:  DECIMAL POSITIONS  (0)
10:  SIGN POSITION  (LEADING)
10:  AUTO CLOSE  (YES)
10:  ARITHMETIC OPERATION  (NO)
10:  AUTO FILL-IN  (NO)
10:  NEXT PAGE NUMBER  (NO)
10:  BRANCHING  (NO)
10:  AUTO-INCREMENT  (NO)
10:  OUTPUT TO MEMORY CELL  (NO)
10:  OUTPUT TO DISKETTE  (YES)
```

SAMPLE NUMBER

```
11:  TAB STOP  (YES)
11:  INPUT TYPE  (KEYBOARD-FIELD #  9)
11:  CHARACTER TYPE  (DIGIT)
11:  SECURITY FIELD  (NO)
11:  OVERRIDE ERROR FIELD  (YES)
11:  MINIMUM LENGTH  (1)
11:  EXACT LENGTH TABLE  (NO)
11:  RANGE  (NO)
11:  ALLOWABLE ENTRY  (NO)
11:  SUBSTITUTION  (YES - RAM:
     .,99999;)
11:  JUSTIFICATION  (RIGHT)
11:  FILL CHARACTER  (0)
11:  FLOAT CHARACTER  (0)
11:  DECIMAL POSITIONS  (0)
11:  SIGN POSITION  (LEADING)
11:  AUTO CLOSE  (YES)
11:  ARITHMETIC OPERATION  (NO)
11:  AUTO FILL-IN  (NO)
11:  NEXT PAGE NUMBER  (NO)
11:  BRANCHING  (NO)
11:  AUTO-INCREMENT  (NO)
11:  OUTPUT TO MEMORY CELL  (NO)
11:  OUTPUT TO DISKETTE  (YES)
```

SAMPLE WEIGHT

```
12:  TAB STOP  (YES)
12:  INPUT TYPE  (KEYBOARD-FIELD #  10)
12:  CHARACTER TYPE  (PRINTABLE)
12:  SECURITY FIELD  (NO)
12:  OVERRIDE ERROR FIELD  (YES)
12:  MINIMUM LENGTH  (1)
12:  EXACT LENGTH TABLE  (NO)
12:  RANGE  (NO)
12:  ALLOWABLE ENTRY  (NO)
12:  SUBSTITUTION  (YES - RAM:
     .,999999;)
12:  JUSTIFICATION  (RIGHT)
12:  FILL CHARACTER  (0)
12:  FLOAT CHARACTER  (0)
12:  DECIMAL POSITIONS  (0)
12:  SIGN POSITION  (LEADING)
12:  AUTO CLOSE  (YES)
12:  ARITHMETIC OPERATION  (NO)
12:  AUTO FILL-IN  (NO)
12:  NEXT PAGE NUMBER  (NO)
12:  BRANCHING  (NO)
12:  AUTO-INCREMENT  (NO)
12:  OUTPUT TO MEMORY CELL  (NO)
12:  OUTPUT TO DISKETTE  (YES)
```

SUBSAMPLE NUMBER

```
13:  TAB STOP  (YES)
13:  INPUT TYPE  (KEYBOARD-FIELD #  11)
13:  CHARACTER TYPE  (DIGIT)
13:  SECURITY FIELD  (NO)
13:  OVERRIDE ERROR FIELD  (YES)
13:  MINIMUM LENGTH  (1)
13:  EXACT LENGTH TABLE  (NO)
13:  RANGE  (NO)
13:  ALLOWABLE ENTRY  (NO)
13:  SUBSTITUTION  (YES - RAM:
     .,99999;)
13:  JUSTIFICATION  (RIGHT)
13:  FILL CHARACTER  (0)
13:  FLOAT CHARACTER  (0)
13:  DECIMAL POSITIONS  (0)
13:  SIGN POSITION  (LEADING)
13:  AUTO CLOSE  (YES)
13:  ARITHMETIC OPERATION  (NO)
13:  AUTO FILL-IN  (NO)
13:  NEXT PAGE NUMBER  (NO)
13:  BRANCHING  (NO)
13:  AUTO-INCREMENT  (NO)
13:  OUTPUT TO MEMORY CELL  (NO)
13:  OUTPUT TO DISKETTE  (YES)
```

SUBSAMPLE WEIGHT

```
14:  TAB STOP  (YES)
14:  INPUT TYPE  (KEYBOARD-FIELD #  12)
14:  CHARACTER TYPE  (PRINTABLE)
14:  SECURITY FIELD  (NO)
14:  OVERRIDE ERROR FIELD  (YES)
14:  MINIMUM LENGTH  (1)
14:  EXACT LENGTH TABLE  (NO)
14:  RANGE  (NO)
14:  ALLOWABLE ENTRY  (NO)
14:  SUBSTITUTION  (YES - RAM:
     .,999999;)
14:  JUSTIFICATION  (RIGHT)
14:  FILL CHARACTER  (0)
14:  FLOAT CHARACTER  (0)
14:  DECIMAL POSITIONS  (0)
14:  SIGN POSITION  (LEADING)
14:  AUTO CLOSE  (YES)
14:  ARITHMETIC OPERATION  (NO)
14:  AUTO FILL-IN  (NO)
14:  NEXT PAGE NUMBER  (NO)
14:  BRANCHING  (NO)
14:  AUTO-INCREMENT  (NO)
14:  OUTPUT TO MEMORY CELL  (NO)
14:  OUTPUT TO DISKETTE  (YES)
```

FORM OF RECORD TYPE FOUR

```
15:  TAB STOP  (YES)
15:  INPUT TYPE  (KEYBOARD)
15:  CHARACTER TYPE  (DIGIT)
15:  SECURITY FIELD  (NO)
15:  OVERRIDE ERROR FIELD  (NO)
15:  MINIMUM LENGTH  (1)
15:  EXACT LENGTH TABLE  (NO)
15:  RANGE  (NO)
15:  ALLOWABLE ENTRY  (NO)
15:  SUBSTITUTION  (NO)
15:  JUSTIFICATION  (LEFT)
15:  FILL CHARACTER  ( )
15:  FLOAT CHARACTER  ( )
15:  DECIMAL POSITIONS  (0)
15:  SIGN POSITION  (LEADING)
15:  AUTO CLOSE  (YES)
15:  ARITHMETIC OPERATION  (NO)
15:  AUTO FILL-IN  (NO)
15:  NEXT PAGE NUMBER  (NO)
15:  BRANCHING  (NO)
15:  AUTO-INCREMENT  (NO)
15:  OUTPUT TO MEMORY CELL  (NO)
15:  OUTPUT TO DISKETTE  (YES)
```

TAG TYPE

```
16:  TAB STOP  (YES)
16:  INPUT TYPE  (KEYBOARD)
16:  CHARACTER TYPE  (ALPHA)
16:  SECURITY FIELD  (NO)
16:  OVERRIDE ERROR FIELD  (YES)
16:  MINIMUM LENGTH  (0)
16:  EXACT LENGTH TABLE  (NO)
16:  RANGE  (NO)
16:  ALLOWABLE ENTRY  (NO)
16:  SUBSTITUTION  (NO)
16:  JUSTIFICATION  (LEFT)
16:  FILL CHARACTER  ( )
16:  FLOAT CHARACTER  ( )
16:  DECIMAL POSITIONS  (0)
16:  SIGN POSITION  (LEADING)
16:  AUTO CLOSE  (YES)
16:  ARITHMETIC OPERATION  (NO)
16:  AUTO FILL-IN  (NO)
16:  NEXT PAGE NUMBER  (NO)
16:  BRANCHING  (NO)
16:  AUTO-INCREMENT  (NO)
16:  OUTPUT TO MEMORY CELL  (NO)
16:  OUTPUT TO DISKETTE  (YES)
```

NUMBER TAGGED

```
17:  TAB STOP  (YES)
17:  INPUT TYPE  (KEYBOARD)
17:  CHARACTER TYPE  (DIGIT)
17:  SECURITY FIELD  (NO)
17:  OVERRIDE ERROR FIELD (YES)
17:  MINIMUM LENGTH  (0)
17:  EXACT LENGTH TABLE  (NO)
17:  RANGE  (NO)
17:  ALLOWABLE ENTRY  (NO)
17:  SUBSTITUTION  (NO)
17:  JUSTIFICATION  (RIGHT)
17:  FILL CHARACTER  (0)
17:  FLOAT CHARACTER  ( )
17:  DECIMAL POSITIONS  (0)
17:  SIGN POSITION  (LEADING)
17:  AUTO CLOSE  (YES)
17:  ARITHMETIC OPERATION  (NO)
17:  AUTO FILL-IN  (NO)
17:  NEXT PAGE NUMBER  (NO)
17:  BRANCHING (NO)
```

```
17:  AUTO-INCREMENT  (NO)
17:  OUTPUT TO MEMORY CELL(YES)
17:  OUTPUT TO DISKETTE  (NO)
```

TAG TYPE

```
18:  TAB STOP  (YES)
18:  INPUT TYPE  (KEYBOARD)
18:  CHARACTER TYPE (ALPHA)
18:  SECURITY FIELD  (NO)
18:  OVERRIDE ERROR FIELD  (YES)
18:  MINIMUM LENGTH  (0)
18:  EXACT LENGTH TABLE  (NO)
18:  RANGE  (NO)
18:  ALLOWABLE ENTRY  (NO)
18:  SUBSTITUTION  (NO)
18:  JUSTIFICATION  (LEFT)
18:  FILL CHARACTER  ( )
18:  FLOAT CHARACTER  ( )
18:  DECIMAL POSITIONS  (0)
18:  SIGN POSITION  (LEADING)
18:  AUTO CLOSE  (YES)
18:  ARITHMETIC OPERATION  (NO)
18:  AUTO FILL-IN  (NO)
18:  NEXT PAGE NUMBER  (NO)
18:  BRANCHING  (NO)
```

```
18:  AUTO-INCREMENT  (NO)
18:  OUTPUT TO MEMORY CELL  (NO)
18:  OUTPUT TO DISKETTE  (YES)
```

NUMBER TAGGED

```
19:  TAB STOP  (YES)
19:  INPUT TYPE  (KEYBOARD)
19:  CHARACTER TYPE  (DIGIT)
19:  SECURITY FIELD  (NO)
19:  OVERRIDE ERROR FIELD (YES)
19:  MINIMUM LENGTH  (0)
19:  EXACT LENGTH TABLE  (NO)
19:  RANGE  (NO)
19:  ALLOWABLE ENTRY  (NO)
19:  SUBSTITUTION  (NO)
19:  JUSTIFICATION  (RIGHT)
19:  FILL CHARACTER  ( )
19:  FLOAT CHARACTER  ( )
19:  DECIMAL POSITIONS  (0)
19:  SIGN POSITION  (LEADING)
19:  AUTO CLOSE  (YES)
19:  ARITHMETIC OPERATION  (NO)
19:  AUTO FILL-IN  (NO)
19:  NEXT PAGE NUMBER  (NO)
19:  BRANCHING(NO)
```

```
19:  AUTO-INCREMENT  (NO)
19:  OUTPUT TO MEMORY CELL  (NO)
19:  OUTPUT TO DISKETTE (YES)
```

FILL

```
20:  TAB STOP  (YES)
20:  INPUT TYPE (CONSTANT:  )
20:  CHARACTER TYPE  (PRINTABLE)
20:  SECURITY FIELD  (NO)
20:  OVERRIDE ERROR FIELD  (NO)
20:  MINIMUM LENGTH  (0)
20:  EXACT LENGTH TABLE  (NO)
20:  RANGE  (NO)
20:  ALLOWABLE ENTRY  (NO)
20:  SUBSTITUTION  (NO)
20:  JUSTIFICATION  (LEFT)
20:  FILL CHARACTER  ( )
20:  FLOAT CHARACTER  ( )
20:  DECIMAL POSITIONS  (0)
20:  SIGN POSITION  (LEADING)
20:  AUTO CLOSE  (YES)
20:  ARITHMETIC OPERATION  (NO)
20:  AUTO FILL-IN  (NO)
20:  NEXT PAGE NUMBER  (NO)
20:  BRANCHING (NO)
```

```
20:  AUTO-INCREMENT  (NO)
20:  OUTPUT TO MEMORY CELL  (NO)
20:  OUTPUT TO DISKETTE (YES)
```

BIOFORM-03

LOAD
RECORD TYPE:
ONE

```
21:  TAB STOP  (YES)
21:  INPUT TYPE  (KEYBOARD)
21:  CHARACTER TYPE  (PRINTABLE)
21:  SECURITY FIELD  (NO)
21:  OVERRIDE ERROR FIELD  (NO)
21:  MINIMUM LENGTH  (0)
21:  EXACT LENGTH TABLE  (NO)
21:  RANGE  (NO)
21:  ALLOWABLE ENTRY  (NO)
21:  SUBSTITUTION  (NO)
21:  JUSTIFICATION  (LEFT)
21:  FILL CHARACTER  ( )
21:  FLOAT CHARACTER  ( )
21:  DECIMAL POSITIONS  (0)
21:  SIGN POSITION  (LEADING)
21:  AUTO CLOSE  (YES)
21:  ARITHMETIC OPERATION  (NO)
21:  AUTO FILL-IN  (NO)
21:  NEXT PAGE NUMBER  (YES - PAGE 1)
21:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
21:  AUTO-INCREMENT  (NO)
21:  OUTPUT TO MEMORY CELL  (NO)
21:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
TWO

```
22:  TAB STOP  (YES)
22:  INPUT TYPE  (KEYBOARD)
22:  CHARACTER TYPE  (PRINTABLE)
22:  SECURITY FIELD  (NO)
22:  OVERRIDE ERROR FIELD  (NO)
22:  MINIMUM LENGTH  (0)
22:  EXACT LENGTH TABLE  (NO)
22:  RANGE  (NO)
22:  ALLOWABLE ENTRY  (NO)
22:  SUBSTITUTION  (NO)
22:  JUSTIFICATION  (LEFT)
22:  FILL CHARACTER  ( )
22:  FLOAT CHARACTER  ( )
22:  DECIMAL POSITIONS  (0)
22:  SIGN POSITION  (LEADING)
22:  AUTO CLOSE  (YES)
22:  ARITHMETIC OPERATION  (NO)
22:  AUTO FILL-IN  (NO)
22:  NEXT PAGE NUMBER  (YES - PAGE 2)
22:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
22:  AUTO-INCREMENT  (NO)
22:  OUTPUT TO MEMORY CELL  (NO)
22:  OUTPUT TO DISKETTE  (NO)
```

```
                    BIOFORM-03
LOAD
RECORD TYPE:        23:  TAB STOP  (YES)
THREE               23:  INPUT TYPE  (KEYBOARD)
                    23:  CHARACTER TYPE  (PRINTABLE)
                    23:  SECURITY FIELD  (NO)
                    23:  OVERRIDE ERROR FIELD  (NO)
                    23:  MINIMUM LENGTH  (0)
                    23:  EXACT LENGTH TABLE  (NO)
                    23:  RANGE  (NO)
                    23:  ALLOWABLE ENTRY  (NO)
                    23:  SUBSTITUTION  (NO)
                    23:  JUSTIFICATION  (LEFT)
                    23:  FILL CHARACTER  ( )
                    23:  FLOAT CHARACTER  ( )
                    23:  DECIMAL POSITIONS  (0)
                    23:  SIGN POSITION  (LEADING)
                    23:  AUTO CLOSE  (YES)
                    23:  ARITHMETIC OPERATION  (NO)
                    23:  AUTO FILL-IN  (NO)
                    23:  NEXT PAGE NUMBER  (YES - PAGE 3 )
                    23:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

                          BRANCH: MINIMUM LENGTH  (0)
                         BRANCH: MAXIMUM LENGTH  (1)
                         BRANCH: EXACT LENGTH TABLE  (NO)
                        BRANCH: RANGE  (NO)
                         BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                         X;))
                    23:  AUTO-INCREMENT  (NO)
                    23:  OUTPUT TO MEMORY CELL  (NO)
                    23:  OUTPUT TO DISKETTE  (NO)

LOAD
RECORD TYPE:        24:  TAB STOP  (YES)
FOUR                24:  INPUT TYPE (KEYBOARD)
                    24:  CHARACTER TYPE  (PRINTABLE)
                    24:  SECURITY FIELD  (NO)
                    24:  OVERRIDE ERROR FIELD  (NO)
                    24:  MINIMUM LENGTH  (0)
                    24:  EXACT LENGTH TABLE  (NO)
                    24:  RANGE  (NO)
                    24:  ALLOWABLE ENTRY  (NO)
                    24:  SUBSTITUTION  (NO)
                    24:  JUSTIFICATION  (LEFT)
                    24:  FILL CHARACTER  ( )
                    24:  FLOAT CHARACTER  ( )
                    24:  DECIMAL POSITIONS  (0)
                    24:  SIGN POSITION  (LEADING)
                    24:  AUTO CLOSE  (YES)
                    24:  ARITHMETIC OPERATION  (NO)
                    24:  AUTO FILL-IN  (NO)
                    24:  NEXT PAGE NUMBER  (YES - PAGE 4 )
                    24:  BRANCHING  (TEST  LINE: 23  POSITION:  80:

                          BRANCH: MINIMUM LENGTH  (0)
                         BRANCH: MAXIMUM LENGTH  (1)
                         BRANCH: EXACT LENGTH TABLE  (NO)
                        BRANCH: RANGE  (NO)
                         BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                         X;))
                    24:  AUTO-INCREMENT  (NO)
                    24:  OUTPUT TO MEMORY CELL  (NO)
                    24:  OUTPUT TO DISKETTE  (NO)
```

BIOFORM-03

LOAD
RECORD TYPE:
FIVE

```
25:  TAB STOP  (YES)
25:  INPUT TYPE (KEYBOARD)
25:  CHARACTER TYPE  (PRINTABLE)
25:  SECURITY FIELD  (NO)
25:  OVERRIDE ERROR FIELD  (NO)
25:  MINIMUM LENGTH  (0)
25:  EXACT LENGTH TABLE  (NO)
25:  RANGE  (NO)
25:  ALLOWABLE ENTRY  (NO)
25:  SUBSTITUTION  (NO)
25:  JUSTIFICATION  (LEFT)
25:  FILL CHARACTER  ( )
25:  FLOAT CHARACTER  ( )
25:  DECIMAL POSITIONS  (0)
25:  SIGN POSITION  (LEADING)
25:  AUTO CLOSE  (YES)
25:  ARITHMETIC OPERATION  (NO)
25:  AUTO FILL-IN  (NO)
25:  NEXT PAGE NUMBER  (YES - PAGE 5),
25:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
25:  AUTO-INCREMENT  (NO)
25:  OUTPUT TO MEMORY CELL  (NO)
25:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
SIX

```
26:  TAB STOP  (YES)
26:  INPUT TYPE  (KEYBOARD)
26:  CHARACTER TYPE  (PRINTABLE)
26:  SECURITY FIELD  (NO)
26:  OVERRIDE ERROR FIELD  (NO)
26:  MINIMUM LENGTH  (0)
26:  EXACT LENGTH TABLE  (NO)
26:  RANGE  (NO)
26:  ALLOWABLE ENTRY  (NO)
26:  SUBSTITUTION  (NO)
26:  JUSTIFICATION  (LEFT)
26:  FILL CHARACTER  ( )
26:  FLOAT CHARACTER  ( )
26:  DECIMAL POSITIONS  (0)
26:  SIGN POSITION  (LEADING)
26:  AUTO CLOSE  (YES)
26:  ARITHMETIC OPERATION  (NO)
26:  AUTO FILL-IN  (NO)
26:  NEXT PAGE NUMBER  (YES - PAGE 6)
26:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
26:  AUTO-INCREMENT  (NO)
26:  OUTPUT TO MEMORY CELL  (NO)
26:  OUTPUT TO DISKETTE  (NO)
```

```
                    BIOFORM-03
LOAD .              27:  TAB STOP  (YES)
RECORD TYPE:        27:  INPUT TYPE  (KEYBOARD)
SEVEN               27:  CHARACTER TYPE  (PRINTABLE)
                    27:  SECURITY FIELD  (NO)
                    27:  OVERRIDE ERROR FIELD  (NO)
                    27:  MINIMUM LENGTH  (0)
                    27:  EXACT LENGTH TABLE  (NO)
                    27:  RANGE  (NO)
                    27:  ALLOWABLE ENTRY  (NO)
                    27:  SUBSTITUTION  (NO)
                    27:  JUSTIFICATION  (LEFT)
                    27:  FILL CHARACTER  ( )
                    27:  FLOAT CHARACTER  ( )
                    27:  DECIMAL POSITIONS  (0)
                    27:  SIGN POSITION  (LEADING)
                    27:  AUTO CLOSE  (YES)
                    27:  ARITHMETIC OPERATION  (NO)
                    27:  AUTO FILL-IN  (NO)
                    27:  NEXT PAGE NUMBER  (YES - PAGE 7)
                    27:  BRANCHING  (TEST  LINE:  23  POSITION: 80 :

                      BRANCH: MINIMUM LENGTH  (0)
                     BRANCH: MAXIMUM LENGTH  (1)
                     BRANCH: EXACT LENGTH TABLE  (NO)
                    BRANCH: RANGE  (NO)
                     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                     X;))
                    27:  AUTO-INCREMENT  (NO)
                    27:  OUTPUT TO MEMORY CELL  (NO)
                    27:  OUTPUT TO DISKETTE  (NO)

LOAD                28:  TAB STOP  (YES)
RECORD TYPE:        28:  INPUT TYPE (KEYBOARD)
EIGHT               28:  CHARACTER TYPE  (PRINTABLE)
                    28:  SECURITY FIELD  (NO)
                    28:  OVERRIDE ERROR FIELD  (NO)
                    28:  MINIMUM LENGTH  (0)
                    28:  EXACT LENGTH TABLE  (NO)
                    28:  RANGE  (NO)
                    28:  ALLOWABLE ENTRY  (NO)
                    28:  SUBSTITUTION  (NO)
                    28:  JUSTIFICATION  (LEFT)
                    28:  FILL CHARACTER  ( )
                    28:  FLOAT CHARACTER  ( )
                    28:  DECIMAL POSITIONS  (0)
                    28:  SIGN POSITION  (LEADING)
                    28:  AUTO CLOSE  (YES)
                    28:  ARITHMETIC OPERATION  (NO)
                    28:  AUTO FILL-IN  (NO)
                    28:  NEXT PAGE NUMBER (NO)
                    28:  BRANCHING (NO)

                    28:  AUTO-INCREMENT  (NO)
                    28:  OUTPUT TO MEMORY CELL  (NO)
                    28:  OUTPUT TO DISKETTE  (NO)
```

BIOFORM-03

LOAD
RECORD TYPE:
NINE

```
29:  TAB STOP  (YES)
29:  INPUT TYPE  (KEYBOARD)
29:  CHARACTER TYPE  (PRINTABLE)
29:  SECURITY FIELD  (NO)
29:  OVERRIDE ERROR FIELD  (NO)
29:  MINIMUM LENGTH  (0)
29:  EXACT LENGTH TABLE  (NO)
29:  RANGE  (NO)
29:  ALLOWABLE ENTRY  (NO)
29:  SUBSTITUTION  (NO)
29:  JUSTIFICATION  (LEFT)
29:  FILL CHARACTER  ( )
29:  FLOAT CHARACTER  ( )
29:  DECIMAL POSITIONS  (0)
29:  SIGN POSITION  (LEADING)
29:  AUTO CLOSE  (YES)
29:  ARITHMETIC OPERATION  (NO)
29:  AUTO FILL-IN  (NO)
29:  NEXT PAGE NUMBER  (YES - PAGE 8)
29:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
29:  AUTO-INCREMENT  (NO)
29:  OUTPUT TO MEMORY CELL  (NO)
29:  OUTPUT TO DISKETTE  (NO)
```

```
INDIVIDUAL DATA                          FORM PAGE 04

ACTION FIELD <     RECORD TYPE <     SEQUENCE NO: YEAR <<  COLLECTION NO <<<<<
REPLICATE <<       SPECIES <<<<<<<<<<        STATUS <      LINE NUMBER <<<

FREQUENCY <<<     LENGTH <<<<        WEIGHT <<<<<<        END OF PAGE <

SEX <                        MATURITY <              END OF PAGE <

PARAMETER A <<<<           PARAMETER B <<<<        PARAMETER C <<<<

PARAMETER D <<<<                    EGG OR LARVAL STAGE <

STATUS <                              TAG NUMBER <<<<<<

AGE STATUS <                          AGED STRUCTURE <

AGE <<                                NUMBER OF SPAWNING MARKS <<

FILL <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

----------LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'----------
ONE <   TWO <   THREE <   FOUR <   FIVE <   SIX <   SEVEN <   EIGHT <   NINE <
```

BIOFORM-04 ATTRIBUTES

ACTION FIELD

```
TAB STOP  (YES)
1:  INPUT TYPE  (KEYBOARD-CONSTANT:  )
1:  CHARACTER TYPE  (ALPHA)
1:  SECURITY FIELD  (NO)
1:  OVERRIDE ERROR FIELD  (NO)
1:  MINIMUM LENGTH  (0)
1:  EXACT LENGTH TABLE  (NO)
1:  RANGE  (NO)
1:  ALLOWABLE ENTRY  (YES:
    DRIVE: 1  FILE: ACTION)
1:  SUBSTITUTION  (NO)
1:  JUSTIFICATION  (LEFT)
1:  FILL CHARACTER  ( )
1:  FLOAT CHARACTER  ( )
1:  DECIMAL POSITIONS  (0)
1:  SIGN POSITION  (LEADING)
1:  AUTO CLOSE  (YES)
1:  ARITHMETIC OPERATION  (NO)
1:  AUTO FILL-IN  (NO)
1:  NEXT PAGE NUMBER  (NO)
1:  BRANCHING  (NO)
1:  AUTO-INCREMENT  (NO)
1:  OUTPUT TO MEMORY CELL  (NO)
1:  OUTPUT TO DISKETTE  (YES)
```

RECORD TYPE

```
2:  TAB STOP  (YES)
2:  INPUT TYPE  (CONSTANT: 4)
2:  CHARACTER TYPE  (PRINTABLE)
2:  SECURITY FIELD  (NO)
2:  OVERRIDE ERROR FIELD  (NO)
2:  MINIMUM LENGTH  (0)
2:  EXACT LENGTH TABLE  (NO)
2:  RANGE  (NO)
2:  ALLOWABLE ENTRY  (NO)
2:  SUBSTITUTION  (NO)
2:  JUSTIFICATION  (LEFT)
2:  FILL CHARACTER  ( )
2:  FLOAT CHARACTER  ( )
2:  DECIMAL POSITIONS  (0)
2:  SIGN POSITION  (LEADING)
2:  AUTO CLOSE  (YES)
2:  ARITHMETIC OPERATION  (NO)
2:  AUTO FILL-IN  (NO)
2:  NEXT PAGE NUMBER  (NO)
2:  BRANCHING  (NO)
2:  AUTO-INCREMENT  (NO)
2:  OUTPUT TO MEMORY CELL  (NO)
2:  OUTPUT TO DISKETTE  (YES)
```

SEQUENCE NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD ( NO )
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES: 2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ( )
3: FLOAT CHARACTER ( )
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE NO: COLLECTION NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD ( NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

REPLICATE

5: TAB STOP (YES)
5: INPUT TYPE (KEYBOARD-MEMORY CELL # 3)
5: CHARACTER TYPE (DIGIT)
5: SECURITY FIELD (NO)
5: OVERRIDE ERROR FIELD (NO)
5: MINIMUM LENGTH (1)
5: EXACT LENGTH TABLE (NO)
5: RANGE (NO)
5: ALLOWABLE ENTRY (NO)
5: SUBSTITUTION (NO)
5: JUSTIFICATION (RIGHT)
5: FILL CHARACTER ( )
5: FLOAT CHARACTER (0)
5: DECIMAL POSITIONS (0)
5: SIGN POSITION (LEADING)
5: AUTO CLOSE (YES)
5: ARITHMETIC OPERATION (NO)
5: AUTO FILL-IN (NO)
5: NEXT PAGE NUMBER (NO)
5: BRANCHING (NO)
5: AUTO-INCREMENT (NO)
5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
6: INPUT TYPE (KEYBOARD-MEMORY CELL # 4)
6: CHARACTER TYPE (DIGIT)
6: SECURITY FIELD (NO)
6: OVERRIDE ERROR FIELD (NO)
6: MINIMUM LENGTH (0)
6: EXACT LENGTH TABLE (YES:
10)
6: RANGE (NO)
6: ALLOWABLE ENTRY (NO)
6: SUBSTITUTION (NO)
6: JUSTIFICATION (LEFT)
6: FILL CHARACTER ( )
6: FLOAT CHARACTER ( )
6: DECIMAL POSITIONS (0)
6: SIGN POSITION (LEADING)
6: AUTO CLOSE (YES)
6: ARITHMETIC OPERATION (NO)
6: AUTO FILL-IN (NO)
6: NEXT PAGE NUMBER (NO)
6: BRANCHING (NO)
6: AUTO-INCREMENT (NO)
6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
6: OUTPUT TO DISKETTE (YES)

STATUS

```
7:  TAB STOP  (YES)
7:  INPUT TYPE  (KEYBOARD-MEMORY CELL # 5)
7:  CHARACTER TYPE  (DIGIT)
7:  SECURITY FIELD  (NO)
7:  OVERRIDE ERROR FIELD  (NO)
7:  MINIMUM LENGTH  (1)
7:  EXACT LENGTH TABLE  (NO)
7:  RANGE  (NO)
7:  ALLOWABLE ENTRY  (NO)
7:  SUBSTITUTION  (NO)
7:  JUSTIFICATION  (LEFT)
7:  FILL CHARACTER  ( )
7:  FLOAT CHARACTER  ( )
7:  DECIMAL POSITIONS  (0)
7:  SIGN POSITION  (LEADING)
7:  AUTO CLOSE  (YES)
7:  ARITHMETIC OPERATION  (NO)
7:  AUTO FILL-IN  (NO)
7:  NEXT PAGE NUMBER  (NO)
7:  BRANCHING  (NO)
7:  AUTO-INCREMENT  (NO)
7:  OUTPUT TO MEMORY CELL  (YES - MEMORY CELL # 5)
7:  OUTPUT TO DISKETTE  (YES)
```

LINE NUMBER

```
8:  TAB STOP  (YES)
8:  INPUT TYPE  (KEYBOARD-REGISTER #  1)
8:  CHARACTER TYPE  (DIGIT)
8:  SECURITY FIELD  (NO)
8:  OVERRIDE ERROR FIELD  (NO)
8:  MINIMUM LENGTH  (1)
8:  EXACT LENGTH TABLE  (NO)
8:  RANGE  (NO)
8:  ALLOWABLE ENTRY  (NO)
8:  SUBSTITUTION  (NO)
8:  JUSTIFICATION  (RIGHT)
8:  FILL CHARACTER  (0)
8:  FLOAT CHARACTER  (0)
8:  DECIMAL POSITIONS  (0)
8:  SIGN POSITION  (LEADING)
8:  AUTO CLOSE  (YES)
8:  ARITHMETIC OPERATION  (YES :
    R1=F8+1)
8:  AUTO FILL-IN  (NO)
8:  NEXT PAGE NUMBER  (NO)
8:  BRANCHING  (NO)
8:  AUTO-INCREMENT  (NO)
8:  OUTPUT TO MEMORY CELL  (YES - MEMORY CELL # 6)
8:  OUTPUT TO DISKETTE  (YES)
```

FREQUENCY

```
9:  TAB STOP  (YES)
9:  INPUT TYPE  (KEYBOARD-CONSTANT: 1)
9:  CHARACTER TYPE  (DIGIT)
9:  SECURITY FIELD  (NO)
9:  OVERRIDE ERROR FIELD  (NO)
9:  MINIMUM LENGTH  (1)
9:  EXACT LENGTH TABLE  (NO)
9:  RANGE  (NO)
9:  ALLOWABLE ENTRY  (NO)
9:  SUBSTITUTION  (NO)
9:  JUSTIFICATION  (RIGHT)
9:  FILL CHARACTER  (0)
9:  FLOAT CHARACTER  (0)
9:  DECIMAL POSITIONS  (0)
9:  SIGN POSITION  (LEADING)
9:  AUTO CLOSE  (YES)
9:  ARITHMETIC OPERATION  (NO)
9:  AUTO FILL-IN  (NO)
9:  NEXT PAGE NUMBER  (NO)
9:  BRANCHING  (NO)
9:  AUTO-INCREMENT  (NO)
9:  OUTPUT TO MEMORY CELL  (NO)
9:  OUTPUT TO DISKETTE  (YES)
```

LENGTH

```
10:  TAB STOP  (YES)
10:  INPUT TYPE  (KEYBOARD)
10:  CHARACTER TYPE  (PRINTABLE)
10:  SECURITY FIELD  (NO)
10:  OVERRIDE ERROR FIELD  (YES)
10:  MINIMUM LENGTH  (0)
10:  EXACT LENGTH TABLE  (NO)
10:  RANGE  (NO)
10:  ALLOWABLE ENTRY  (NO)
10:  SUBSTITUTION  (NO)
10:  JUSTIFICATION  (RIGHT)
10:  FILL CHARACTER  ( )
10:  FLOAT CHARACTER  ( )
10:  DECIMAL POSITIONS  (0)
10:  SIGN POSITION  (LEADING)
10:  AUTO CLOSE  (YES)
10:  ARITHMETIC OPERATION  (NO)
10:  AUTO FILL-IN  (NO)
10:  NEXT PAGE NUMBER  (NO)
10:  BRANCHING  (NO)
10:  AUTO-INCREMENT  (NO)
10:  OUTPUT TO MEMORY CELL  (NO)
10:  OUTPUT TO DISKETTE  (YES)
```

WEIGHT

11: TAB STOP (YES)
11: INPUT TYPE (KEYBOARD)
11: CHARACTER TYPE (PRINTABLE)
11: SECURITY FIELD (NO)
11: OVERRIDE ERROR FIELD (YES)
11: MINIMUM LENGTH (0)
11: EXACT LENGTH TABLE (NO)
11: RANGE (NO)
11: ALLOWABLE ENTRY (NO)
11: SUBSTITUTION (NO)
11: JUSTIFICATION (RIGHT)
11: FILL CHARACTER ( )
11: FLOAT CHARACTER ( )
11: DECIMAL POSITIONS (0)
11: SIGN POSITION (LEADING)
11: AUTO CLOSE (YES)
11: ARITHMETIC OPERATION (NO)
11: AUTO FILL-IN (NO)
11: NEXT PAGE NUMBER (NO)
11: BRANCHING (NO)
11: AUTO-INCREMENT (NO)
11: OUTPUT TO MEMORY CELL (NO)
11: OUTPUT TO DISKETTE (YES)

END
OF
PAGE

12: TAB STOP (YES)
12: INPUT TYPE (KEYBOARD)
12: CHARACTER TYPE (PRINTABLE)
12: SECURITY FIELD (NO)
12: OVERRIDE ERROR FIELD (NO)
12: MINIMUM LENGTH (0)
12: EXACT LENGTH TABLE (NO)
12: RANGE (NO)
12: ALLOWABLE ENTRY (NO)
12: SUBSTITUTION (NO)
12: JUSTIFICATION (LEFT)
12: FILL CHARACTER ( )
12: FLOAT CHARACTER ( )
12: DECIMAL POSITIONS (0)
12: SIGN POSITION (LEADING)
12: AUTO CLOSE (YES)
12: ARITHMETIC OPERATION (NO)
12: AUTO FILL-IN (NO)
12: NEXT PAGE NUMBER (NO)
12: BRANCHING (TEST LINE: 22 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))
12: AUTO-INCREMENT (NO)
12: OUTPUT TO MEMORY CELL (NO)
12: OUTPUT TO DISKETTE (NO)

SEX

```
13:  TAB STOP  (YES)
13:  INPUT TYPE  (KEYBOARD)
13:  CHARACTER TYPE  (MIXED)
13:  SECURITY FIELD  (NO)
13:  OVERRIDE ERROR FIELD  (YES)
13:  MINIMUM LENGTH  (0)
13:  EXACT LENGTH TABLE  (NO)
13:  RANGE  (NO)
13:  ALLOWABLE ENTRY  (NO)
13:  SUBSTITUTION  (YES:
   DRIVE: 1  FILE: SEX)
13:  JUSTIFICATION  (LEFT)
13:  FILL CHARACTER  ( )
13:  FLOAT CHARACTER  ( )
13:  DECIMAL POSITIONS  (0)
13:  SIGN POSITION  (LEADING)
13:  AUTO CLOSE  (YES)
13:  ARITHMETIC OPERATION  (NO)
13:  AUTO FILL-IN  (NO)
13:  NEXT PAGE NUMBER  (NO)
13:  BRANCHING  (NO)
13:  AUTO-INCREMENT  (NO)
13:  OUTPUT TO MEMORY CELL  (NO)
13:  OUTPUT TO DISKETTE  (YES)
```

MATURITY

```
14:  TAB STOP  (YES)
14:  INPUT TYPE  (KEYBOARD)
14:  CHARACTER TYPE  (DIGIT)
14:  SECURITY FIELD  (NO)
14:  OVERRIDE ERROR FIELD  (YES)
14:  MINIMUM LENGTH  (0)
14:  EXACT LENGTH TABLE  (NO)
14:  RANGE  (NO)
14:  ALLOWABLE ENTRY  (NO)
14:  SUBSTITUTION  (NO)
14:  JUSTIFICATION  (LEFT)
14:  FILL CHARACTER  ( )
14:  FLOAT CHARACTER  ( )
14:  DECIMAL POSITIONS  (0)
14:  SIGN POSITION  (LEADING)
14:  AUTO CLOSE  (YES)
14:  ARITHMETIC OPERATION  (NO)
14:  AUTO FILL-IN  (NO)
14:  NEXT PAGE NUMBER  (NO)
14:  BRANCHING  (NO)
14:  AUTO-INCREMENT  (NO)
14:  OUTPUT TO MEMORY CELL  (NO)
14:  OUTPUT TO DISKETTE  (YES)
```

END
OF
PAGE

```
15:  TAB STOP  (YES)
15:  INPUT TYPE  (KEYBOARD)
15:  CHARACTER TYPE  (PRINTABLE)
15:  SECURITY FIELD  (NO)
15:  OVERRIDE ERROR FIELD  (NO)
15:  MINIMUM LENGTH  (0)
15:  EXACT LENGTH TABLE  (NO)
15:  RANGE  (NO)
15:  ALLOWABLE ENTRY  (NO)
15:  SUBSTITUTION  (NO)
15:  JUSTIFICATION  (LEFT)
15:  FILL CHARACTER  ( )
15:  FLOAT CHARACTER  ( )
15:  DECIMAL POSITIONS  (0)
15:  SIGN POSITION  (LEADING)
15:  AUTO CLOSE  (YES)
15:  ARITHMETIC OPERATION  (NO)
15:  AUTO FILL-IN  (NO)
15:  NEXT PAGE NUMBER  (NO)
15:  BRANCHING  (TEST  LINE: 22  POSITION: 1:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
15:  AUTO-INCREMENT  (NO)
15:  OUTPUT TO MEMORY CELL  (NO)
15:  OUTPUT TO DISKETTE  (NO)
```

PARAMETER
A

```
16:  TAB STOP  (YES)
16:  INPUT TYPE  (KEYBOARD)
16:  CHARACTER TYPE  (PRINTABLE)
16:  SECURITY FIELD  (NO)
16:  OVERRIDE ERROR FIELD  (YES)
16:  MINIMUM LENGTH  (0)
16:  EXACT LENGTH TABLE  (NO)
16:  RANGE  (NO)
16:  ALLOWABLE ENTRY  (NO)
16:  SUBSTITUTION  (NO)
16:  JUSTIFICATION  (RIGHT)
16:  FILL CHARACTER  ( )
16:  FLOAT CHARACTER  ( )
16:  DECIMAL POSITIONS  (0)
16:  SIGN POSITION  (LEADING)
16:  AUTO CLOSE  (YES)
16:  ARITHMETIC OPERATION  (NO)
16:  AUTO FILL-IN  (NO)
16:  NEXT PAGE NUMBER  (NO)
16:  BRANCHING  (NO)
16:  AUTO-INCREMENT  (NO)
16:  OUTPUT TO MEMORY CELL  (NO)
16:  OUTPUT TO DISKETTE  (YES)
```

PARAMETER B

```
17:  TAB STOP  (YES)
17:  INPUT TYPE  (KEYBOARD)
17:  CHARACTER TYPE  (PRINTABLE)
17:  SECURITY FIELD  (NO)
17:  OVERRIDE ERROR FIELD  (YES)
17:  MINIMUM LENGTH  (0)
17:  EXACT LENGTH TABLE  (NO)
17:  RANGE  (NO)
17:  ALLOWABLE ENTRY  (NO)
17:  SUBSTITUTION  (NO)
17:  JUSTIFICATION  (RIGHT)
17:  FILL CHARACTER  ( )
17:  FLOAT CHARACTER  ( )
17:  DECIMAL POSITIONS  (0)
17:  SIGN POSITION  (LEADING)
17:  AUTO CLOSE  (YES)
17:  ARITHMETIC OPERATION  (NO)
17:  AUTO FILL-IN  (NO)
17:  NEXT PAGE NUMBER  (NO)
17:  BRANCHING  (NO)
17:  AUTO-INCREMENT  (NO)
17:  OUTPUT TO MEMORY CELL  (NO)
17:  OUTPUT TO DISKETTE  (YES)
```

PARAMETER C

```
18:  TAB STOP  (YES)
18:  INPUT TYPE  (KEYBOARD)
18:  CHARACTER TYPE  (PRINTABLE)
18:  SECURITY FIELD  (NO)
18:  OVERRIDE ERROR FIELD  (YES)
18:  MINIMUM LENGTH  (0)
18:  EXACT LENGTH TABLE  (NO)
18:  RANGE  (NO)
18:  ALLOWABLE ENTRY  (NO)
18:  SUBSTITUTION  (NO)
18:  JUSTIFICATION  (RIGHT)
18:  FILL CHARACTER  ( )
18:  FLOAT CHARACTER  ( )
18:  DECIMAL POSITIONS  (0)
18:  SIGN POSITION  (LEADING)
18:  AUTO CLOSE  (YES)
18:  ARITHMETIC OPERATION  (NO)
18:  AUTO FILL-IN  (NO)
18:  NEXT PAGE NUMBER  (NO)
18:  BRANCHING  (NO)
18:  AUTO-INCREMENT  (NO)
18:  OUTPUT TO MEMORY CELL  (NO)
18:  OUTPUT TO DISKETTE  (YES)
```

PARAMETER D

```
19:  TAB STOP  (YES)
19:  INPUT TYPE  (KEYBOARD)
19:  CHARACTER TYPE (PRINTABLE)
19:  SECURITY FIELD  (NO)
19:  OVERRIDE ERROR FIELD  (YES)
19:  MINIMUM LENGTH  (0)
19:  EXACT LENGTH TABLE  (NO)
19:  RANGE  (NO)
19:  ALLOWABLE ENTRY  (NO)
19:  SUBSTITUTION  (NO)
19:  JUSTIFICATION  (RIGHT)
19:  FILL CHARACTER  ( )
19:  FLOAT CHARACTER  ( )
19:  DECIMAL POSITIONS  (0)
19:  SIGN POSITION  (LEADING)
19:  AUTO CLOSE  (YES)
19:  ARITHMETIC OPERATION  (NO)
19:  AUTO FILL-IN  (NO)
19:  NEXT PAGE NUMBER  (NO)
19:  BRANCHING  (NO)
19:  AUTO-INCREMENT  (NO)
19:  OUTPUT TO MEMORY CELL  (NO)
19:  OUTPUT TO DISKETTE  (YES)
```

EGG OR LARVAL STAGE

```
20:  TAB STOP  (YES)
20:  INPUT TYPE  (KEYBOARD)
20:  CHARACTER TYPE  (DIGIT)
20:  SECURITY FIELD  (NO)
20:  OVERRIDE ERROR FIELD  (YES)
20:  MINIMUM LENGTH  (0)
20:  EXACT LENGTH TABLE  (NO)
20:  RANGE  (NO)
20:  ALLOWABLE ENTRY  (NO)
20:  SUBSTITUTION  (NO)
20:  JUSTIFICATION  (LEFT)
20:  FILL CHARACTER  ( )
20:  FLOAT CHARACTER  ( )
20:  DECIMAL POSITIONS  (0)
20:  SIGN POSITION  (LEADING)
20:  AUTO CLOSE  (YES)
20:  ARITHMETIC OPERATION  (NO)
20:  AUTO FILL-IN  (NO)
20:  NEXT PAGE NUMBER  (NO)
20:  BRANCHING  (NO)
20:  AUTO-INCREMENT  (NO)
20:  OUTPUT TO MEMORY CELL  (NO)
20:  OUTPUT TO DISKETTE  (YES)
```

STATUS

```
21:  TAB STOP  (YES)
21:  INPUT TYPE  (KEYBOARD)
21:  CHARACTER TYPE  (DIGIT)
21:  SECURITY FIELD  (NO)
21:  OVERRIDE ERROR FIELD  (YES)
21:  MINIMUM LENGTH  (0)
21:  EXACT LENGTH TABLE  (NO)
21:  RANGE  (NO)
21:  ALLOWABLE ENTRY  (NO)
21:  SUBSTITUTION  (NO)
21:  JUSTIFICATION  (LEFT)
21:  FILL CHARACTER  ( )
21:  FLOAT CHARACTER  ( )
21:  DECIMAL POSITIONS  (0)
21:  SIGN POSITION  (LEADING)
21:  AUTO CLOSE  (YES)
21:  ARITHMETIC OPERATION  (NO)
21:  AUTO FILL-IN  (NO)
21:  NEXT PAGE NUMBER  (NO)
21:  BRANCHING  (NO)
21:  AUTO-INCREMENT  (NO)
21:  OUTPUT TO MEMORY CELL  (NO)
21:  OUTPUT TO DISKETTE  (YES)
```

TAG NUMBER

```
22:  TAB STOP  (YES)
22:  INPUT TYPE  (KEYBOARD)
22:  CHARACTER TYPE  (MIXED)
22:  SECURITY FIELD  (NO)
22:  OVERRIDE ERROR FIELD  (YES)
22:  MINIMUM LENGTH  (0)
22:  EXACT LENGTH TABLE  (NO)
22:  RANGE  (NO)
22:  ALLOWABLE ENTRY  (NO)
22:  SUBSTITUTION  (NO)
22:  JUSTIFICATION  (LEFT)
22:  FILL CHARACTER  ( )
22:  FLOAT CHARACTER  ( )
22:  DECIMAL POSITIONS  (0)
22:  SIGN POSITION  (LEADING)
22:  AUTO CLOSE  (YES)
22:  ARITHMETIC OPERATION  (NO)
22:  AUTO FILL-IN  (NO)
22:  NEXT PAGE NUMBER  (NO)
22:  BRANCHING  (NO)
22:  AUTO-INCREMENT  (NO)
22:  OUTPUT TO MEMORY CELL  (NO)
22:  OUTPUT TO DISKETTE  (YES)
```

AGE
STATUS

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (DIGIT)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (YES)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (YES:
FROM: 0 TO: 3)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (LEFT)
23: FILL CHARACTER ( )
23: FLOAT CHARACTER ( )
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (NO)
23: BRANCHING (NO)
23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (YES)

AGED
STRUCTURE

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (DIGIT)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (YES)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (YES:
FROM: 0 TO: 4)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (LEFT)
24: FILL CHARACTER ( )
24: FLOAT CHARACTER ( )
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (NO)
24: BRANCHING (NO)
24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (YES)

AGE

25: TAB STOP (YES)
25: INPUT TYPE (KEYBOARD)
25: CHARACTER TYPE (DIGIT)
25: SECURITY FIELD (NO)
25: OVERRIDE ERROR FIELD (YES)
25: MINIMUM LENGTH (0)
25: EXACT LENGTH TABLE (NO)
25: RANGE (YES:
FROM: 0 TO: 30)
25: ALLOWABLE ENTRY (NO)
25: SUBSTITUTION (NO)
25: JUSTIFICATION (RIGHT)
25: FILL CHARACTER ( )
25: FLOAT CHARACTER ( )
25: DECIMAL POSITIONS (0)
25: SIGN POSITION (LEADING)
25: AUTO CLOSE (YES)
25: ARITHMETIC OPERATION (NO)
25: AUTO FILL-IN (NO)
25: NEXT PAGE NUMBER (NO)
25: BRANCHING (NO)
25: AUTO-INCREMENT (NO)
25: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 7)
25: OUTPUT TO DISKETTE (YES)

NUMBER OF SPAWNING MARKS

26: TAB STOP (YES)
26: INPUT TYPE (KEYBOARD)
26: CHARACTER TYPE (DIGIT)
26: SECURITY FIELD (NO)
26: OVERRIDE ERROR FIELD (YES)
26: MINIMUM LENGTH (0)
26: EXACT LENGTH TABLE (NO)
26: RANGE (YES:
FROM: 0 TO: 30)
26: ALLOWABLE ENTRY (NO)
26: SUBSTITUTION (NO)
26: JUSTIFICATION (RIGHT)
26: FILL CHARACTER ( )
26: FLOAT CHARACTER ( )
26: DECIMAL POSITIONS (0)
26: SIGN POSITION (LEADING)
26: AUTO CLOSE (YES)
26: ARITHMETIC OPERATION (NO)
26: AUTO FILL-IN (NO)
26: NEXT PAGE NUMBER (NO)
26: BRANCHING (NO)
26: AUTO-INCREMENT (NO)
26: OUTPUT TO MEMORY CELL (NO)
26: OUTPUT TO DISKETTE (YES)

FILL

27: TAB STOP (YES)
27: INPUT TYPE (CONSTANT: )
27: CHARACTER TYPE (PRINTABLE)
27: SECURITY FIELD (NO)
27: OVERRIDE ERROR FIELD (NO)
27: MINIMUM LENGTH (0)
27: EXACT LENGTH TABLE (NO)
27: RANGE (NO)
27: ALLOWABLE ENTRY (NO)
27: SUBSTITUTION (NO)
27: JUSTIFICATION (LEFT)
27: FILL CHARACTER ( )
27: FLOAT CHARACTER ( )
27: DECIMAL POSITIONS (0)
27: SIGN POSITION (LEADING)
27: AUTO CLOSE (YES)
27: ARITHMETIC OPERATION (NO)
27: AUTO FILL-IN (NO)
27: NEXT PAGE NUMBER (NO)
27: BRANCHING (NO)
27: AUTO-INCREMENT (NO)
27: OUTPUT TO MEMORY CELL (NO)
27: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

28: TAB STOP (YES)
28: INPUT TYPE (KEYBOARD)
28: CHARACTER TYPE (PRINTABLE)
28: SECURITY FIELD (NO)
28: OVERRIDE ERROR FIELD (NO)
28: MINIMUM LENGTH (0)
28: EXACT LENGTH TABLE (NO)
28: RANGE (NO)
28: ALLOWABLE ENTRY (NO)
28: SUBSTITUTION (NO)
28: JUSTIFICATION (LEFT)
28: FILL CHARACTER ( )
28: FLOAT CHARACTER ( )
28: DECIMAL POSITIONS (0)
28: SIGN POSITION (LEADING)
28: AUTO CLOSE (YES)
28: ARITHMETIC OPERATION (NO)
28: AUTO FILL-IN (NO)
28: NEXT PAGE NUMBER (YES - PAGE 1)
28: BRANCHING (TEST LINE: 23 POSITION:80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))
28: AUTO-INCREMENT (NO)
28: OUTPUT TO MEMORY CELL (NO)
28: OUTPUT TO DISKETTE (NO)

```
BIOFORM-04
LOAD
RECORD TYPE:
TWO
29:  TAB STOP  (YES)
29:  INPUT TYPE  (KEYBOARD)
29:  CHARACTER TYPE  (PRINTABLE)
29:  SECURITY FIELD  (NO)
29:  OVERRIDE ERROR FIELD  (NO)
29:  MINIMUM LENGTH  (0)
29:  EXACT LENGTH TABLE  (NO)
29:  RANGE  (NO)
29:  ALLOWABLE ENTRY  (NO)
29:  SUBSTITUTION  (NO)
29:  JUSTIFICATION  (LEFT)
29:  FILL CHARACTER  ( )
29:  FLOAT CHARACTER  ( )
29:  DECIMAL POSITIONS  (0)
29:  SIGN POSITION  (LEADING)
29:  AUTO CLOSE  (YES)
29:  ARITHMETIC OPERATION  (NO)
29:  AUTO FILL-IN  (NO)
29:  NEXT PAGE NUMBER  (YES - PAGE 2)
29:  BRANCHING  (TEST  LINE: 23  POSITION: 30 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
29:  AUTO-INCREMENT  (NO)
29:  OUTPUT TO MEMORY CELL  (NO)
29:  OUTPUT TO DISKETTE  (NO)

LOAD
RECORD TYPE:
THREE
30:  TAB STOP  (YES)
30:  INPUT TYPE  (KEYBOARD)
30:  CHARACTER TYPE  (PRINTABLE)
30:  SECURITY FIELD  (NO)
30:  OVERRIDE ERROR FIELD  (NO)
30:  MINIMUM LENGTH  (0)
30:  EXACT LENGTH TABLE  (NO)
30:  RANGE  (NO)
30:  ALLOWABLE ENTRY  (NO)
30:  SUBSTITUTION  (NO)
30:  JUSTIFICATION  (LEFT)
30:  FILL CHARACTER  ( )
30:  FLOAT CHARACTER  ( )
30:  DECIMAL POSITIONS  (0)
30:  SIGN POSITION  (LEADING)
30:  AUTO CLOSE  (YES)
30:  ARITHMETIC OPERATION  (NO)
30:  AUTO FILL-IN  (NO)
30:  NEXT PAGE NUMBER  (YES - PAGE 3)
30:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
30:  AUTO-INCREMENT  (NO)
30:  OUTPUT TO MEMORY CELL  (NO)
30:  OUTPUT TO DISKETTE  (NO)
```

```
BIOFORM 04
LOAD
RECORD TYPE:
FOUR
31:  TAB STOP  (YES)
31:  INPUT TYPE  (KEYBOARD)
31:  CHARACTER TYPE  (PRINTABLE)
31:  SECURITY FIELD  (NO)
31:  OVERRIDE ERROR FIELD  (NO)
31:  MINIMUM LENGTH  (0)
31:  EXACT LENGTH TABLE  (NO)
31:  RANGE  (NO)
31:  ALLOWABLE ENTRY  (NO)
31:  SUBSTITUTION  (NO)
31:  JUSTIFICATION  (LEFT)
31:  FILL CHARACTER  ( )
31:  FLOAT CHARACTER  ( )
31:  DECIMAL POSITIONS  (0)
31:  SIGN POSITION  (LEADING)
31:  AUTO CLOSE  (YES)
31:  ARITHMETIC OPERATION  (NO)
31:  AUTO FILL-IN  (NO)
31:  NEXT PAGE NUMBER  (YES - PAGE 4)
31:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
31:  AUTO-INCREMENT  (NO)
31:  OUTPUT TO MEMORY CELL  (NO)
31:  OUTPUT TO DISKETTE  (NO)

LOAD
RECORD TYPE:
FIVE
32:  TAB STOP  (YES)
32:  INPUT TYPE  (KEYBOARD)
32:  CHARACTER TYPE  (PRINTABLE)
32:  SECURITY FIELD  (NO)
32:  OVERRIDE ERROR FIELD  (NO)
32:  MINIMUM LENGTH  (0)
32:  EXACT LENGTH TABLE  (NO)
32:  RANGE  (NO)
32:  ALLOWABLE ENTRY  (NO)
32:  SUBSTITUTION  (NO)
32:  JUSTIFICATION  (LEFT)
32:  FILL CHARACTER  ( )
32:  FLOAT CHARACTER  ( )
32:  DECIMAL POSITIONS  (0)
32:  SIGN POSITION  (LEADING)
32:  AUTO CLOSE  (YES)
32:  ARITHMETIC OPERATION  (NO)
32:  AUTO FILL-IN  (NO)
32:  NEXT PAGE NUMBER  (YES - PAGE 5)
32:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
32:  AUTO-INCREMENT  (NO)
32:  OUTPUT TO MEMORY CELL  (NO)
32:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
SIX

```
33:  TAB STOP  (YES)
33:  INPUT TYPE  (KEYBOARD)
33:  CHARACTER TYPE  (PRINTABLE)
33:  SECURITY FIELD  (NO)
33:  OVERRIDE ERROR FIELD  (NO)
33:  MINIMUM LENGTH  (0)
33:  EXACT LENGTH TABLE  (NO)
33:  RANGE  (NO)
33:  ALLOWABLE ENTRY  (NO)
33:  SUBSTITUTION  (NO)
33:  JUSTIFICATION  (LEFT)
33:  FILL CHARACTER  ( )
33:  FLOAT CHARACTER  ( )
33:  DECIMAL POSITIONS  (0)
33:  SIGN POSITION  (LEADING)
33:  AUTO CLOSE  (YES)
33:  ARITHMETIC OPERATION  (NO)
33:  AUTO FILL-IN  (NO)
33:  NEXT PAGE NUMBER  (YES - PAGE 6)
33:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
33:  AUTO-INCREMENT  (NO)
33:  OUTPUT TO MEMORY CELL  (NO)
33:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
SEVEN

```
34:  TAB STOP  (YES)
34:  INPUT TYPE (KEYBOARD)
34:  CHARACTER TYPE  (PRINTABLE)
34:  SECURITY FIELD  (NO)
34:  OVERRIDE ERROR FIELD  (NO)
34:  MINIMUM LENGTH  (0)
34:  EXACT LENGTH TABLE  (NO)
34:  RANGE  (NO)
34:  ALLOWABLE ENTRY  (NO)
34:  SUBSTITUTION  (NO)
34:  JUSTIFICATION  (LEFT)
34:  FILL CHARACTER  ( )
34:  FLOAT CHARACTER  ( )
34:  DECIMAL POSITIONS  (0)
34:  SIGN POSITION  (LEADING)
34:  AUTO CLOSE  (YES)
34:  ARITHMETIC OPERATION  (NO)
34:  AUTO FILL-IN  (NO)
34:  NEXT PAGE NUMBER  (YES - PAGE 7 )
34:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
34:  AUTO-INCREMENT  (NO)
34:  OUTPUT TO MEMORY CELL  (NO)
34:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD
RECORD TYPE:
EIGHT
                35:  TAB STOP  (YES)
                35:  INPUT TYPE (KEYBOARD)
                35:  CHARACTER TYPE  (PRINTABLE)
                35:  SECURITY FIELD  (NO)
                35:  OVERRIDE ERROR FIELD  (NO)
                35:  MINIMUM LENGTH  (0)
                35:  EXACT LENGTH TABLE  (NO)
                35:  RANGE  (NO)
                35:  ALLOWABLE ENTRY  (NO)
                35:  SUBSTITUTION  (NO)
                35:  JUSTIFICATION  (LEFT)
                35:  FILL CHARACTER  ( )
                35:  FLOAT CHARACTER  ( )
                35:  DECIMAL POSITIONS  (0)
                35:  SIGN POSITION  (LEADING)
                35:  AUTO CLOSE  (YES)
                35:  ARITHMETIC OPERATION  (NO)
                35:  AUTO FILL-IN  (NO)
                35:  NEXT PAGE NUMBER  (NO)
                35:  BRANCHING (NO)
```

```
                35:  AUTO-INCREMENT  (NO)
                35:  OUTPUT TO MEMORY CELL  (NO)
                35:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD
RECORD TYPE:
NINE
                36:  TAB STOP  (YES)
                36:  INPUT TYPE (KEYBOARD)
                36:  CHARACTER TYPE  (PRINTABLE)
                36:  SECURITY FIELD  (NO)
                36:  OVERRIDE ERROR FIELD  (NO)
                36:  MINIMUM LENGTH  (0)
                36:  EXACT LENGTH TABLE  (NO)
                36:  RANGE  (NO)
                36:  ALLOWABLE ENTRY  (NO)
                36:  SUBSTITUTION  (NO)
                36:  JUSTIFICATION  (LEFT)
                36:  FILL CHARACTER  ( )
                36:  FLOAT CHARACTER  ( )
                36:  DECIMAL POSITIONS  (0)
                36:  SIGN POSITION  (LEADING)
                36:  AUTO CLOSE  (YES)
                36:  ARITHMETIC OPERATION  (NO)
                36:  AUTO FILL-IN  (NO)
                36:  NEXT PAGE NUMBER  (YES - PAGE 8 )
                36:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

                     BRANCH: MINIMUM LENGTH  (0)
                    BRANCH: MAXIMUM LENGTH  (1)
                    BRANCH: EXACT LENGTH TABLE  (NO)
                  BRANCH: RANGE  (NO)
                    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                    X;))
                36:  AUTO-INCREMENT  (NO)
                36:  OUTPUT TO MEMORY CELL  (NO)
                36:  OUTPUT TO DISKETTE  (NO)
```

```
AGE DATA                                    FORM PAGE 05

ACTION FIELD <     RECORD TYPE <     SEQUENCE NO: YEAR <<  COLLECTION NO <<<<<
REPLICATE <<       SPECIES <<<<<<<<<<        STATUS <     LINE NUMBER <<<

AGE <<                  DISTANCE TO EDGE <<<      MARGINAL INCREMENT <<<

DISTANCE TO ANNULUS:

#1  <<<          #2  <<<          #3  <<<          EOP <
#4  <<<          #5  <<<          #6  <<<          EOP <
#7  <<<          #8  <<<          #9  <<<          EOP <
#10 <<<          #11 <<<          #12 <<<          EOP <
#13 <<<          #14 <<<          #15 <<<          EOP <
#16 <<<          #17 <<<          #18 <<<
#19 <<<          #20 <<<          #21 <<<
#22 <<<          #23 <<<          #24 <<<
#25 <<<          #26 <<<          #27 <<<
#28 <<<          #29 <<<          #30 <<<

NUMBER OF SPAWNING MARKS <<       FILL <<<
----------LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'----------
ONE <   TWO <   THREE <   FOUR <   FIVE <   SIX <   SEVEN <   EIGHT <   NINE <
```

BIOFORM-05 ATTRIBUTES

| | |
|---|---|
| ACTION FIELD | TAB STOP (YES) |
| | 1: INPUT TYPE (KEYBOARD-CONSTANT: ) |
| | 1: CHARACTER TYPE (ALPHA) |
| | 1: SECURITY FIELD (NO) |
| | 1: OVERRIDE ERROR FIELD (NO ) |
| | 1: MINIMUM LENGTH (0) |
| | 1: EXACT LENGTH TABLE (NO) |
| | 1: RANGE (NO) |
| | 1: ALLOWABLE ENTRY (YES: DRIVE: 1 FILE: ACTION) |
| | 1: SUBSTITUTION (NO) |
| | 1: JUSTIFICATION (LEFT) |
| | 1: FILL CHARACTER ( ) |
| | 1: FLOAT CHARACTER ( ) |
| | 1: DECIMAL POSITIONS (0) |
| | 1: SIGN POSITION (LEADING) |
| | 1: AUTO CLOSE (YES) |
| | 1: ARITHMETIC OPERATION (NO) |
| | 1: AUTO FILL-IN (NO) |
| | 1: NEXT PAGE NUMBER (NO) |
| | 1: BRANCHING (NO) |
| | 1: AUTO-INCREMENT (NO) |
| | 1: OUTPUT TO MEMORY CELL (NO) |
| | 1: OUTPUT TO DISKETTE (YES) |
| RECORD TYPE | 2: TAB STOP (YES) |
| | 2: INPUT TYPE (CONSTANT: 5) |
| | 2: CHARACTER TYPE (PRINTABLE) |
| | 2: SECURITY FIELD (NO) |
| | 2: OVERRIDE ERROR FIELD (NO) |
| | 2: MINIMUM LENGTH (0) |
| | 2: EXACT LENGTH TABLE (NO) |
| | 2: RANGE (NO) |
| | 2: ALLOWABLE ENTRY (NO) |
| | 2: SUBSTITUTION (NO) |
| | 2: JUSTIFICATION (LEFT) |
| | 2: FILL CHARACTER ( ) |
| | 2: FLOAT CHARACTER ( ) |
| | 2: DECIMAL POSITIONS (0) |
| | 2: SIGN POSITION (LEADING) |
| | 2: AUTO CLOSE (YES) |
| | 2: ARITHMETIC OPERATION (NO) |
| | 2: AUTO FILL-IN (NO) |
| | 2: NEXT PAGE NUMBER (NO) |
| | 2: BRANCHING (NO) |
| | 2: AUTO-INCREMENT (NO) |
| | 2: OUTPUT TO MEMORY CELL (NO) |
| | 2: OUTPUT TO DISKETTE (YES) |

SEQUENCE NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES: 2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ( )
3: FLOAT CHARACTER ( )
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE NO: COLLECTION NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

REPLICATE

5: TAB STOP (YES)
5: INPUT TYPE (KEYBOARD-MEMORY CELL # 3)
5: CHARACTER TYPE (DIGIT)
5: SECURITY FIELD (NO)
5: OVERRIDE ERROR FIELD (NO )
5: MINIMUM LENGTH (1)
5: EXACT LENGTH TABLE (NO)
5: RANGE (NO)
5: ALLOWABLE ENTRY (NO)
5: SUBSTITUTION (NO)
5: JUSTIFICATION (RIGHT)
5: FILL CHARACTER ( )
5: FLOAT CHARACTER (0)
5: DECIMAL POSITIONS (0)
5: SIGN POSITION (LEADING)
5: AUTO CLOSE (YES)
5: ARITHMETIC OPERATION (NO)
5: AUTO FILL-IN (NO)
5: NEXT PAGE NUMBER (NO)
5: BRANCHING (NO)
5: AUTO-INCREMENT (NO)
5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
6: INPUT TYPE (KEYBOARD-MEMORY CELL # 4)
6: CHARACTER TYPE (DIGIT)
6: SECURITY FIELD (NO)
6: OVERRIDE ERROR FIELD (NO )
6: MINIMUM LENGTH (0)
6: EXACT LENGTH TABLE (YES:
10)
6: RANGE (NO)
6: ALLOWABLE ENTRY (NO)
6: SUBSTITUTION (NO)
6: JUSTIFICATION (LEFT)
6: FILL CHARACTER ( )
6: FLOAT CHARACTER ( )
6: DECIMAL POSITIONS (0)
6: SIGN POSITION (LEADING)
6: AUTO CLOSE (YES)
6: ARITHMETIC OPERATION (NO)
6: AUTO FILL-IN (NO)
6: NEXT PAGE NUMBER (NO)
6: BRANCHING (NO)
6: AUTO-INCREMENT (NO)
6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
6: OUTPUT TO DISKETTE (YES)

STATUS

```
7:  TAB STOP  (YES)
7:  INPUT TYPE  (KEYBOARD-MEMORY CELL #  5)
7:  CHARACTER TYPE  (DIGIT)
7:  SECURITY FIELD  (NO)
7:  OVERRIDE ERROR FIELD  ( NO )
7:  MINIMUM LENGTH  (1)
7:  EXACT LENGTH TABLE  (NO)
7:  RANGE  (NO)
7:  ALLOWABLE ENTRY  (NO)
7:  SUBSTITUTION  (NO)
7:  JUSTIFICATION  (LEFT)
7:  FILL CHARACTER  ( )
7:  FLOAT CHARACTER  ( )
7:  DECIMAL POSITIONS  (0)
7:  SIGN POSITION  (LEADING)
7:  AUTO CLOSE  (YES)
7:  ARITHMETIC OPERATION  (NO)
7:  AUTO FILL-IN  (NO)
7:  NEXT PAGE NUMBER  (NO)
7:  BRANCHING  (NO)
7:  AUTO-INCREMENT  (NO)
7:  OUTPUT TO MEMORY CELL  (YES - MEMORY CELL # 5)
7:  OUTPUT TO DISKETTE  (YES)
```

LINE NUMBER

```
8:  TAB STOP  (YES)
8:  INPUT TYPE  (KEYBOARD - MEMORY CELL # 6)
8:  CHARACTER TYPE  (DIGIT)
8:  SECURITY FIELD  (NO)
8:  OVERRIDE ERROR FIELD  ( NO )
8:  MINIMUM LENGTH  (0)
8:  EXACT LENGTH TABLE  (NO)
8:  RANGE  (NO)
8:  ALLOWABLE ENTRY  (NO)
8:  SUBSTITUTION  (NO)
8:  JUSTIFICATION  (RIGHT)
8:  FILL CHARACTER  (0)
8:  FLOAT CHARACTER  (0)
8:  DECIMAL POSITIONS  (0)
8:  SIGN POSITION  (LEADING)
8:  AUTO CLOSE  (YES)
8:  ARITHMETIC OPERATION  (NO)
8:  AUTO FILL-IN  (NO)
8:  NEXT PAGE NUMBER  (NO)
8:  BRANCHING  (NO)
8:  AUTO-INCREMENT  (NO)
8:  OUTPUT TO MEMORY CELL  (NO)
8:  OUTPUT TO DISKETTE  (YES)
```

AGE

```
9:  TAB STOP  (YES)
9:  INPUT TYPE  (KEYBOARD)
9:  CHARACTER TYPE  (DIGIT)
9:  SECURITY FIELD  (NO)
9:  OVERRIDE ERROR FIELD  (YES)
9:  MINIMUM LENGTH  (1)
9:  EXACT LENGTH TABLE  (NO)
9:  RANGE (YES:  FROM:  0 TO: 30)
9:  ALLOWABLE ENTRY  (NO)
9:  SUBSTITUTION  (NO)
9:  JUSTIFICATION  (RIGHT)
9:  FILL CHARACTER  ( )
9:  FLOAT CHARACTER  (0)
9:  DECIMAL POSITIONS  (0)
9:  SIGN POSITION  (LEADING)
9:  AUTO CLOSE  (YES)
9:  ARITHMETIC OPERATION  (NO)
9:  AUTO FILL-IN  (NO)
9:  NEXT PAGE NUMBER  (NO)
9:  BRANCHING  (NO)
9:  AUTO-INCREMENT  (NO)
9:  OUTPUT TO MEMORY CELL  (NO)
9:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
EDGE

```
10:  TAB STOP  (YES)
10:  INPUT TYPE  (KEYBOARD)
10:  CHARACTER TYPE  (DIGIT)
10:  SECURITY FIELD  (NO)
10:  OVERRIDE ERROR FIELD  (YES)
10:  MINIMUM LENGTH  (1)
10:  EXACT LENGTH TABLE  (NO)
10:  RANGE  (NO)
10:  ALLOWABLE ENTRY  (NO)
10:  SUBSTITUTION  (NO)
10:  JUSTIFICATION  (RIGHT)
10:  FILL CHARACTER  (0)
10:  FLOAT CHARACTER  (0)
10:  DECIMAL POSITIONS  (0)
10:  SIGN POSITION  (LEADING)
10:  AUTO CLOSE  (YES)
10:  ARITHMETIC OPERATION  (NO)
10:  AUTO FILL-IN  (NO)
10:  NEXT PAGE NUMBER  (NO)
10:  BRANCHING  (NO)
10:  AUTO-INCREMENT  (NO)
10:  OUTPUT TO MEMORY CELL  (NO)
10:  OUTPUT TO DISKETTE  (YES)
```

MARGINAL INCREMENT

```
11:  TAB STOP  (YES)
11:  INPUT TYPE  (KEYBOARD)
11:  CHARACTER TYPE  (DIGIT)
11:  SECURITY FIELD  (NO)
11:  OVERRIDE ERROR FIELD  (YES)
11:  MINIMUM LENGTH  (0)
11:  EXACT LENGTH TABLE  (NO)
11:  RANGE  (NO)
11:  ALLOWABLE ENTRY  (NO)
11:  SUBSTITUTION  (NO)
11:  JUSTIFICATION  (RIGHT)
11:  FILL CHARACTER  ( )
11:  FLOAT CHARACTER  ( )
11:  DECIMAL POSITIONS  (0)
11:  SIGN POSITION  (LEADING)
11:  AUTO CLOSE  (YES)
11:  ARITHMETIC OPERATION  (NO)
11:  AUTO FILL-IN  (NO)
11:  NEXT PAGE NUMBER  (NO)
11:  BRANCHING  (NO)
11:  AUTO-INCREMENT  (NO)
11:  OUTPUT TO MEMORY CELL  (NO)
11:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE TO ANNULUS 1

```
12:  TAB STOP  (YES)
12:  INPUT TYPE  (KEYBOARD)
12:  CHARACTER TYPE  (DIGIT)
12:  SECURITY FIELD  (NO)
12:  OVERRIDE ERROR FIELD  (YES)
12:  MINIMUM LENGTH  (0)
12:  EXACT LENGTH TABLE  (NO)
12:  RANGE  (NO)
12:  ALLOWABLE ENTRY  (NO)
12:  SUBSTITUTION  (NO)
12:  JUSTIFICATION  (RIGHT)
12:  FILL CHARACTER  ( )
12:  FLOAT CHARACTER  ( )
12:  DECIMAL POSITIONS  (0)
12:  SIGN POSITION  (LEADING)
12:  AUTO CLOSE  (YES)
12:  ARITHMETIC OPERATION  (NO)
12:  AUTO FILL-IN  (NO)
12:  NEXT PAGE NUMBER  (NO)
12:  BRANCHING  (NO)
12:  AUTO-INCREMENT  (NO)
12:  OUTPUT TO MEMORY CELL  (NO)
12:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
ANNULUS
2

```
13:  TAB STOP  (YES)
13:  INPUT TYPE  (KEYBOARD)
13:  CHARACTER TYPE  (DIGIT)
13:  SECURITY FIELD  (NO)
13:  OVERRIDE ERROR FIELD  (YES)
13:  MINIMUM LENGTH  (0)
13:  EXACT LENGTH TABLE  (NO)
13:  RANGE  (NO)
13:  ALLOWABLE ENTRY  (NO)
13:  SUBSTITUTION  (NO)
13:  JUSTIFICATION  (RIGHT)
13:  FILL CHARACTER  ( )
13:  FLOAT CHARACTER  ( )
13:  DECIMAL POSITIONS  (0)
13:  SIGN POSITION  (LEADING)
13:  AUTO CLOSE  (YES)
13:  ARITHMETIC OPERATION  (NO)
13:  AUTO FILL-IN  (NO)
13:  NEXT PAGE NUMBER  (NO)
13:  BRANCHING  (NO)
13:  AUTO-INCREMENT  (NO)
13:  OUTPUT TO MEMORY CELL  (NO)
13:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
ANNULUS
3

```
14:  TAB STOP  (YES)
14:  INPUT TYPE  (KEYBOARD)
14:  CHARACTER TYPE  (DIGIT)
14:  SECURITY FIELD  (NO)
14:  OVERRIDE ERROR FIELD  (YES)
14:  MINIMUM LENGTH  (0)
14:  EXACT LENGTH TABLE  (NO)
14:  RANGE  (NO)
14:  ALLOWABLE ENTRY  (NO)
14:  SUBSTITUTION  (NO)
14:  JUSTIFICATION  (RIGHT)
14:  FILL CHARACTER  ( )
14:  FLOAT CHARACTER  ( )
14:  DECIMAL POSITIONS  (0)
14:  SIGN POSITION  (LEADING)
14:  AUTO CLOSE  (YES)
14:  ARITHMETIC OPERATION  (NO)
14:  AUTO FILL-IN  (NO)
14:  NEXT PAGE NUMBER  (NO)
14:  BRANCHING  (NO)
14:  AUTO-INCREMENT  (NO)
14:  OUTPUT TO MEMORY CELL  (NO)
14:  OUTPUT TO DISKETTE  (YES)
```

EOP

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (PRINTABLE)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (NO)
15: MINIMUM LENGTH (0)
15: EXACT LENGTH TABLE (NO)
15: RANGE (NO)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (LEFT)
15: FILL CHARACTER ( )
15: FLOAT CHARACTER ( )
15: DECIMAL POSITIONS (0)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (NO)
15: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))
15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (NO)

DISTANCE TO ANNULUS 4

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (DIGIT)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (YES)
16: MINIMUM LENGTH (0)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (RIGHT)
16: FILL CHARACTER ( )
16: FLOAT CHARACTER ( )
16: DECIMAL POSITIONS (0)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (NO)
16: BRANCHING (NO)
16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
5

```
17:  TAB STOP  (YES)
17:  INPUT TYPE  (KEYBOARD)
17:  CHARACTER TYPE  (DIGIT)
17:  SECURITY FIELD  (NO)
17:  OVERRIDE ERROR FIELD  (YES)
17:  MINIMUM LENGTH  (0)
17:  EXACT LENGTH TABLE  (NO)
17:  RANGE  (NO)
17:  ALLOWABLE ENTRY  (NO)
17:  SUBSTITUTION  (NO)
17:  JUSTIFICATION  (RIGHT)
17:  FILL CHARACTER  ( )
17:  FLOAT CHARACTER  ( )
17:  DECIMAL POSITIONS  (0)
17:  SIGN POSITION  (LEADING)
17:  AUTO CLOSE  (YES)
17:  ARITHMETIC OPERATION  (NO)
17:  AUTO FILL-IN  (NO)
17:  NEXT PAGE NUMBER  (NO)
17:  BRANCHING  (NO)
17:  AUTO-INCREMENT  (NO)
17:  OUTPUT TO MEMORY CELL  (NO)
17:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
ANNULUS
6

```
18:  TAB STOP  (YES)
18:  INPUT TYPE  (KEYBOARD)
18:  CHARACTER TYPE  (DIGIT)
18:  SECURITY FIELD  (NO)
18:  OVERRIDE ERROR FIELD  (YES)
18:  MINIMUM LENGTH  (0)
18:  EXACT LENGTH TABLE  (NO)
18:  RANGE  (NO)
18:  ALLOWABLE ENTRY  (NO)
18:  SUBSTITUTION  (NO)
18:  JUSTIFICATION  (RIGHT)
18:  FILL CHARACTER  ( )
18:  FLOAT CHARACTER  ( )
18:  DECIMAL POSITIONS  (0)
18:  SIGN POSITION  (LEADING)
18:  AUTO CLOSE  (YES)
18:  ARITHMETIC OPERATION  (NO)
18:  AUTO FILL-IN  (NO)
18:  NEXT PAGE NUMBER  (NO)
18:  BRANCHING  (NO)
18:  AUTO-INCREMENT  (NO)
18:  OUTPUT TO MEMORY CELL  (NO)
18:  OUTPUT TO DISKETTE  (YES)
```

EOP

19: TAB STOP (YES)
19: INPUT TYPE (KEYBOARD)
19: CHARACTER TYPE (PRINTABLE)
19: SECURITY FIELD (NO)
19: OVERRIDE ERROR FIELD (NO)
19: MINIMUM LENGTH (0)
19: EXACT LENGTH TABLE (NO)
19: RANGE (NO)
19: ALLOWABLE ENTRY (NO)
19: SUBSTITUTION (NO)
19: JUSTIFICATION (LEFT)
19: FILL CHARACTER ( )
19: FLOAT CHARACTER ( )
19: DECIMAL POSITIONS (0)
19: SIGN POSITION (LEADING)
19: AUTO CLOSE (YES)
19: ARITHMETIC OPERATION (NO)
19: AUTO FILL-IN (NO)
19: NEXT PAGE NUMBER (NO)
19: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))
19: AUTO-INCREMENT (NO)
19: OUTPUT TO MEMORY CELL (NO)
19: OUTPUT TO DISKETTE (NO)

DISTANCE
TO
ANNULUS
7

20: TAB STOP (YES)
20: INPUT TYPE (KEYBOARD)
20: CHARACTER TYPE (DIGIT)
20: SECURITY FIELD (NO)
20: OVERRIDE ERROR FIELD (YES)
20: MINIMUM LENGTH (0)
20: EXACT LENGTH TABLE (NO)
20: RANGE (NO)
20: ALLOWABLE ENTRY (NO)
20: SUBSTITUTION (NO)
20: JUSTIFICATION (RIGHT)
20: FILL CHARACTER ( )
20: FLOAT CHARACTER ( )
20: DECIMAL POSITIONS (0)
20: SIGN POSITION (LEADING)
20: AUTO CLOSE (YES)
20: ARITHMETIC OPERATION (NO)
20: AUTO FILL-IN (NO)
20: NEXT PAGE NUMBER (NO)
20: BRANCHING (NO)
20: AUTO-INCREMENT (NO)
20: OUTPUT TO MEMORY CELL (NO)
20: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
8

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (DIGIT)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (YES)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (RIGHT)
21: FILL CHARACTER ( )
21: FLOAT CHARACTER ( )
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (NO)
21: BRANCHING (NO)
21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
9

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (DIGIT)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (YES)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (NO)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (NO)
22: JUSTIFICATION (RIGHT)
22: FILL CHARACTER ( )
22: FLOAT CHARACTER ( )
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (NO)
22: BRANCHING (NO)
22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (YES)

EOP

```
23:  TAB STOP  (YES)
23:  INPUT TYPE  (KEYBOARD)
23:  CHARACTER TYPE  (PRINTABLE)
23:  SECURITY FIELD  (NO)
23:  OVERRIDE ERROR FIELD  (NO)
23:  MINIMUM LENGTH  (0)
23:  EXACT LENGTH TABLE  (NO)
23:  RANGE  (NO)
23:  ALLOWABLE ENTRY  (NO)
23:  SUBSTITUTION  (NO)
23:  JUSTIFICATION  (LEFT)
23:  FILL CHARACTER  ( )
23:  FLOAT CHARACTER  ( )
23:  DECIMAL POSITIONS  (0)
23:  SIGN POSITION  (LEADING)
23:  AUTO CLOSE  (YES)
23:  ARITHMETIC OPERATION  (NO)
23:  AUTO FILL-IN  (NO)
23:  NEXT PAGE NUMBER  (NO)
23:  BRANCHING  (TEST  LINE:  23  POSITION: 1:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
23:  AUTO-INCREMENT  (NO)
23:  OUTPUT TO MEMORY CELL  (NO)
23:  OUTPUT TO DISKETTE  (NO)
```

DISTANCE
TO
ANNULUS
10

```
24:  TAB STOP  (YES)
24:  INPUT TYPE  (KEYBOARD)
24:  CHARACTER TYPE  (DIGIT)
24:  SECURITY FIELD  (NO)
24:  OVERRIDE ERROR FIELD  (YES)
24:  MINIMUM LENGTH  (0)
24:  EXACT LENGTH TABLE  (NO)
24:  RANGE  (NO)
24:  ALLOWABLE ENTRY  (NO)
24:  SUBSTITUTION  (NO)
24:  JUSTIFICATION  (RIGHT)
24:  FILL CHARACTER  ( )
24:  FLOAT CHARACTER  ( )
24:  DECIMAL POSITIONS  (0)
24:  SIGN POSITION  (LEADING)
24:  AUTO CLOSE  (YES)
24:  ARITHMETIC OPERATION  (NO)
24:  AUTO FILL-IN  (NO)
24:  NEXT PAGE NUMBER  (NO)
24:  BRANCHING  (NO)
24:  AUTO-INCREMENT  (NO)
24:  OUTPUT TO MEMORY CELL  (NO)
24:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
ANNULUS
11

25: TAB STOP (YES)
25: INPUT TYPE (KEYBOARD)
25: CHARACTER TYPE (DIGIT)
25: SECURITY FIELD (NO)
25: OVERRIDE ERROR FIELD (YES)
25: MINIMUM LENGTH (0)
25: EXACT LENGTH TABLE (NO)
25: RANGE (NO)
25: ALLOWABLE ENTRY (NO)
25: SUBSTITUTION (NO)
25: JUSTIFICATION (RIGHT)
25: FILL CHARACTER ( )
25: FLOAT CHARACTER ( )
25: DECIMAL POSITIONS (0)
25: SIGN POSITION (LEADING)
25: AUTO CLOSE (YES)
25: ARITHMETIC OPERATION (NO)
25: AUTO FILL-IN (NO)
25: NEXT PAGE NUMBER (NO)
25: BRANCHING (NO)
25: AUTO-INCREMENT (NO)
25: OUTPUT TO MEMORY CELL (NO)
25: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
12

26: TAB STOP (YES)
26: INPUT TYPE (KEYBOARD)
26: CHARACTER TYPE (DIGIT)
26: SECURITY FIELD (NO)
26: OVERRIDE ERROR FIELD (YES)
26: MINIMUM LENGTH (0)
26: EXACT LENGTH TABLE (NO)
26: RANGE (NO)
26: ALLOWABLE ENTRY (NO)
26: SUBSTITUTION (NO)
26: JUSTIFICATION (RIGHT)
26: FILL CHARACTER ( )
26: FLOAT CHARACTER ( )
26: DECIMAL POSITIONS (0)
26: SIGN POSITION (LEADING)
26: AUTO CLOSE (YES)
26: ARITHMETIC OPERATION (NO)
26: AUTO FILL-IN (NO)
26: NEXT PAGE NUMBER (NO)
26: BRANCHING (NO)
26: AUTO-INCREMENT (NO)
26: OUTPUT TO MEMORY CELL (NO)
26: OUTPUT TO DISKETTE (YES)

EOP

27: TAB STOP (YES)
27: INPUT TYPE (KEYBOARD)
27: CHARACTER TYPE (PRINTABLE)
27: SECURITY FIELD (NO)
27: OVERRIDE ERROR FIELD (NO)
27: MINIMUM LENGTH (0)
27: EXACT LENGTH TABLE (NO)
27: RANGE (NO)
27: ALLOWABLE ENTRY (NO)
27: SUBSTITUTION (NO)
27: JUSTIFICATION (LEFT)
27: FILL CHARACTER ( )
27: FLOAT CHARACTER ( )
27: DECIMAL POSITIONS (0)
27: SIGN POSITION (LEADING)
27: AUTO CLOSE (YES)
27: ARITHMETIC OPERATION (NO)
27: AUTO FILL-IN (NO)
27: NEXT PAGE NUMBER (NO)
27: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))
27: AUTO-INCREMENT (NO)
27: OUTPUT TO MEMORY CELL (NO)
27: OUTPUT TO DISKETTE (NO)

DISTANCE
TO
ANNULUS
13

28: TAB STOP (YES)
28: INPUT TYPE (KEYBOARD)
28: CHARACTER TYPE (DIGIT)
28: SECURITY FIELD (NO)
28: OVERRIDE ERROR FIELD (YES)
28: MINIMUM LENGTH (0)
28: EXACT LENGTH TABLE (NO)
28: RANGE (NO)
28: ALLOWABLE ENTRY (NO)
28: SUBSTITUTION (NO)
28: JUSTIFICATION (RIGHT)
28: FILL CHARACTER ( )
28: FLOAT CHARACTER ( )
28: DECIMAL POSITIONS (0)
28: SIGN POSITION (LEADING)
28: AUTO CLOSE (YES)
28: ARITHMETIC OPERATION (NO)
28: AUTO FILL-IN (NO)
28: NEXT PAGE NUMBER (NO)
28: BRANCHING (NO)
28: AUTO-INCREMENT (NO)
28: OUTPUT TO MEMORY CELL (NO)
28: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
14

```
29:  TAB STOP  (YES)
29:  INPUT TYPE  (KEYBOARD)
29:  CHARACTER TYPE  (DIGIT)
29:  SECURITY FIELD  (NO)
29:  OVERRIDE ERROR FIELD  (YES)
29:  MINIMUM LENGTH  (0)
29:  EXACT LENGTH TABLE  (NO)
29:  RANGE  (NO)
29:  ALLOWABLE ENTRY  (NO)
29:  SUBSTITUTION  (NO)
29:  JUSTIFICATION  (RIGHT)
29:  FILL CHARACTER  ( )
29:  FLOAT CHARACTER  ( )
29:  DECIMAL POSITIONS  (0)
29:  SIGN POSITION  (LEADING)
29:  AUTO CLOSE  (YES)
29:  ARITHMETIC OPERATION  (NO)
29:  AUTO FILL-IN  (NO)
29:  NEXT PAGE NUMBER  (NO)
29:  BRANCHING  (NO)
29:  AUTO-INCREMENT  (NO)
29:  OUTPUT TO MEMORY CELL  (NO)
29:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
ANNULUS
15

```
30:  TAB STOP  (YES)
30:  INPUT TYPE  (KEYBOARD)
30:  CHARACTER TYPE  (DIGIT)
30:  SECURITY FIELD  (NO)
30:  OVERRIDE ERROR FIELD  (YES)
30:  MINIMUM LENGTH  (0)
30:  EXACT LENGTH TABLE  (NO)
30:  RANGE  (NO)
30:  ALLOWABLE ENTRY  (NO)
30:  SUBSTITUTION  (NO)
30:  JUSTIFICATION  (RIGHT)
30:  FILL CHARACTER  ( )
30:  FLOAT CHARACTER  ( )
30:  DECIMAL POSITIONS  (0)
30:  SIGN POSITION  (LEADING)
30:  AUTO CLOSE  (YES)
30:  ARITHMETIC OPERATION  (NO)
30:  AUTO FILL-IN  (NO)
30:  NEXT PAGE NUMBER  (NO)
30:  BRANCHING  (NO)
30:  AUTO-INCREMENT  (NO)
30:  OUTPUT TO MEMORY CELL  (NO)
30:  OUTPUT TO DISKETTE  (YES)
```

EOP

31: TAB STOP (YES)
31: INPUT TYPE (KEYBOARD)
31: CHARACTER TYPE (PRINTABLE)
31: SECURITY FIELD (NO)
31: OVERRIDE ERROR FIELD (NO)
31: MINIMUM LENGTH (0)
31: EXACT LENGTH TABLE (NO)
31: RANGE (NO)
31: ALLOWABLE ENTRY (NO)
31: SUBSTITUTION (NO)
31: JUSTIFICATION (LEFT)
31: FILL CHARACTER ( )
31: FLOAT CHARACTER ( )
31: DECIMAL POSITIONS (0)
31: SIGN POSITION (LEADING)
31: AUTO CLOSE (YES)
31: ARITHMETIC OPERATION (NO)
31: AUTO FILL-IN (NO)
31: NEXT PAGE NUMBER (NO)
31: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))
31: AUTO-INCREMENT (NO)
31: OUTPUT TO MEMORY CELL (NO)
31: OUTPUT TO DISKETTE (NO)

DISTANCE
TO
ANNULUS
16

32: TAB STOP (YES)
32: INPUT TYPE (KEYBOARD)
32: CHARACTER TYPE (DIGIT)
32: SECURITY FIELD (NO)
32: OVERRIDE ERROR FIELD (YES)
32: MINIMUM LENGTH (0)
32: EXACT LENGTH TABLE (NO)
32: RANGE (NO)
32: ALLOWABLE ENTRY (NO)
32: SUBSTITUTION (NO)
32: JUSTIFICATION (RIGHT)
32: FILL CHARACTER ( )
32: FLOAT CHARACTER ( )
32: DECIMAL POSITIONS (0)
32: SIGN POSITION (LEADING)
32: AUTO CLOSE (YES)
32: ARITHMETIC OPERATION (NO)
32: AUTO FILL-IN (NO)
32: NEXT PAGE NUMBER (NO)
32: BRANCHING (NO)
32: AUTO-INCREMENT (NO)
32: OUTPUT TO MEMORY CELL (NO)
32: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
17

```
33:  TAB STOP  (YES)
33:  INPUT TYPE  (KEYBOARD)
33:  CHARACTER TYPE  (DIGIT)
33:  SECURITY FIELD  (NO)
33:  OVERRIDE ERROR FIELD  (YES)
33:  MINIMUM LENGTH  (0)
33:  EXACT LENGTH TABLE  (NO)
33:  RANGE  (NO)
33:  ALLOWABLE ENTRY  (NO)
33:  SUBSTITUTION  (NO)
33:  JUSTIFICATION  (RIGHT)
33:  FILL CHARACTER  ( )
33:  FLOAT CHARACTER  ( )
33:  DECIMAL POSITIONS  (0)
33:  SIGN POSITION  (LEADING)
33:  AUTO CLOSE  (YES)
33:  ARITHMETIC OPERATION  (NO)
33:  AUTO FILL-IN  (NO)
33:  NEXT PAGE NUMBER  (NO)
33:  BRANCHING  (NO)
33:  AUTO-INCREMENT  (NO)
33:  OUTPUT TO MEMORY CELL  (NO)
33:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
ANNULUS
18

```
34:  TAB STOP  (YES)
34:  INPUT TYPE  (KEYBOARD)
34:  CHARACTER TYPE  (DIGIT)
34:  SECURITY FIELD  (NO)
34:  OVERRIDE ERROR FIELD  (YES)
34:  MINIMUM LENGTH  (0)
34:  EXACT LENGTH TABLE  (NO)
34:  RANGE  (NO)
34:  ALLOWABLE ENTRY  (NO)
34:  SUBSTITUTION  (NO)
34:  JUSTIFICATION  (RIGHT)
34:  FILL CHARACTER  ( )
34:  FLOAT CHARACTER  ( )
34:  DECIMAL POSITIONS  (0)
34:  SIGN POSITION  (LEADING)
34:  AUTO CLOSE  (YES)
34:  ARITHMETIC OPERATION  (NO)
34:  AUTO FILL-IN  (NO)
34:  NEXT PAGE NUMBER  (NO)
34:  BRANCHING  (NO)
34:  AUTO-INCREMENT  (NO)
34:  OUTPUT TO MEMORY CELL  (NO)
34:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
ANNULUS
19

35: TAB STOP (YES)
35: INPUT TYPE (KEYBOARD)
35: CHARACTER TYPE (DIGIT)
35: SECURITY FIELD (NO)
35: OVERRIDE ERROR FIELD (YES)
35: MINIMUM LENGTH (0)
35: EXACT LENGTH TABLE (NO)
35: RANGE (NO)
35: ALLOWABLE ENTRY (NO)
35: SUBSTITUTION (NO)
35: JUSTIFICATION (RIGHT)
35: FILL CHARACTER ( )
35: FLOAT CHARACTER ( )
35: DECIMAL POSITIONS (0)
35: SIGN POSITION (LEADING)
35: AUTO CLOSE (YES)
35: ARITHMETIC OPERATION (NO)
35: AUTO FILL-IN (NO)
35: NEXT PAGE NUMBER (NO)
35: BRANCHING (NO)
35: AUTO-INCREMENT (NO)
35: OUTPUT TO MEMORY CELL (NO)
35: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
20

36: TAB STOP (YES)
36: INPUT TYPE (KEYBOARD)
36: CHARACTER TYPE (DIGIT)
36: SECURITY FIELD (NO)
36: OVERRIDE ERROR FIELD (YES)
36: MINIMUM LENGTH (0)
36: EXACT LENGTH TABLE (NO)
36: RANGE (NO)
36: ALLOWABLE ENTRY (NO)
36: SUBSTITUTION (NO)
36: JUSTIFICATION (RIGHT)
36: FILL CHARACTER ( )
36: FLOAT CHARACTER ( )
36: DECIMAL POSITIONS (0)
36: SIGN POSITION (LEADING)
36: AUTO CLOSE (YES)
36: ARITHMETIC OPERATION (NO)
36: AUTO FILL-IN (NO)
36: NEXT PAGE NUMBER (NO)
36: BRANCHING (NO)
36: AUTO-INCREMENT (NO)
36: OUTPUT TO MEMORY CELL (NO)
36: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
21

37: TAB STOP (YES)
37: INPUT TYPE (KEYBOARD)
37: CHARACTER TYPE (DIGIT)
37: SECURITY FIELD (NO)
37: OVERRIDE ERROR FIELD (YES)
37: MINIMUM LENGTH (0)
37: EXACT LENGTH TABLE (NO)
37: RANGE (NO)
37: ALLOWABLE ENTRY (NO)
37: SUBSTITUTION (NO)
37: JUSTIFICATION (RIGHT)
37: FILL CHARACTER ( )
37: FLOAT CHARACTER ( )
37: DECIMAL POSITIONS (0)
37: SIGN POSITION (LEADING)
37: AUTO CLOSE (YES)
37: ARITHMETIC OPERATION (NO)
37: AUTO FILL-IN (NO)
37: NEXT PAGE NUMBER (NO)
37: BRANCHING (NO)
37: AUTO-INCREMENT (NO)
37: OUTPUT TO MEMORY CELL (NO)
37: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
22

38: TAB STOP (YES)
38: INPUT TYPE (KEYBOARD)
38: CHARACTER TYPE (DIGIT)
38: SECURITY FIELD (NO)
38: OVERRIDE ERROR FIELD (YES)
38: MINIMUM LENGTH (0)
38: EXACT LENGTH TABLE (NO)
38: RANGE (NO)
38: ALLOWABLE ENTRY (NO)
38: SUBSTITUTION (NO)
38: JUSTIFICATION (RIGHT)
38: FILL CHARACTER ( )
38: FLOAT CHARACTER ( )
38: DECIMAL POSITIONS (0)
38: SIGN POSITION (LEADING)
38: AUTO CLOSE (YES)
38: ARITHMETIC OPERATION (NO)
38: AUTO FILL-IN (NO)
38: NEXT PAGE NUMBER (NO)
38: BRANCHING (NO)
38: AUTO-INCREMENT (NO)
38: OUTPUT TO MEMORY CELL (NO)
38: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
23

39: TAB STOP (YES)
39: INPUT TYPE (KEYBOARD)
39: CHARACTER TYPE (DIGIT)
39: SECURITY FIELD (NO)
39: OVERRIDE ERROR FIELD (YES)
39: MINIMUM LENGTH (0)
39: EXACT LENGTH TABLE (NO)
39: RANGE (NO)
39: ALLOWABLE ENTRY (NO)
39: SUBSTITUTION (NO)
39: JUSTIFICATION (RIGHT)
39: FILL CHARACTER ( )
39: FLOAT CHARACTER ( )
39: DECIMAL POSITIONS (0)
39: SIGN POSITION (LEADING)
39: AUTO CLOSE (YES)
39: ARITHMETIC OPERATION (NO)
39: AUTO FILL-IN (NO)
39: NEXT PAGE NUMBER (NO)
39: BRANCHING (NO)
39: AUTO-INCREMENT (NO)
39: OUTPUT TO MEMORY CELL (NO)
39: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
24

40: TAB STOP (YES)
40: INPUT TYPE (KEYBOARD)
40: CHARACTER TYPE (DIGIT)
40: SECURITY FIELD (NO)
40: OVERRIDE ERROR FIELD (YES)
40: MINIMUM LENGTH (0)
40: EXACT LENGTH TABLE (NO)
40: RANGE (NO)
40: ALLOWABLE ENTRY (NO)
40: SUBSTITUTION (NO)
40: JUSTIFICATION (RIGHT)
40: FILL CHARACTER ( )
40: FLOAT CHARACTER ( )
40: DECIMAL POSITIONS (0)
40: SIGN POSITION (LEADING)
40: AUTO CLOSE (YES)
40: ARITHMETIC OPERATION (NO)
40: AUTO FILL-IN (NO)
40: NEXT PAGE NUMBER (NO)
40: BRANCHING (NO)
40: AUTO-INCREMENT (NO)
40: OUTPUT TO MEMORY CELL (NO)
40: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
25

```
41:  TAB STOP  (YES)
41:  INPUT TYPE  (KEYBOARD)
41:  CHARACTER TYPE  (DIGIT)
41:  SECURITY FIELD  (NO)
41:  OVERRIDE ERROR FIELD  (YES)
41:  MINIMUM LENGTH  (0)
41:  EXACT LENGTH TABLE  (NO)
41:  RANGE  (NO)
41:  ALLOWABLE ENTRY  (NO)
41:  SUBSTITUTION  (NO)
41:  JUSTIFICATION  (RIGHT)
41:  FILL CHARACTER  ( )
41:  FLOAT CHARACTER  ( )
41:  DECIMAL POSITIONS  (0)
41:  SIGN POSITION  (LEADING)
41:  AUTO CLOSE  (YES)
41:  ARITHMETIC OPERATION  (NO)
41:  AUTO FILL-IN  (NO)
41:  NEXT PAGE NUMBER  (NO)
41:  BRANCHING  (NO)
41:  AUTO-INCREMENT  (NO)
41:  OUTPUT TO MEMORY CELL  (NO)
41:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
ANNUUS
26

```
42:  TAB STOP  (YES)
42:  INPUT TYPE  (KEYBOARD)
42:  CHARACTER TYPE  (DIGIT)
42:  SECURITY FIELD  (NO)
42:  OVERRIDE ERROR FIELD  (YES)
42:  MINIMUM LENGTH  (0)
42:  EXACT LENGTH TABLE  (NO)
42:  RANGE  (NO)
42:  ALLOWABLE ENTRY  (NO)
42:  SUBSTITUTION  (NO)
42:  JUSTIFICATION  (RIGHT)
42:  FILL CHARACTER  ( )
42:  FLOAT CHARACTER  ( )
42:  DECIMAL POSITIONS  (0)
42:  SIGN POSITION  (LEADING)
42:  AUTO CLOSE  (YES)
42:  ARITHMETIC OPERATION  (NO)
42:  AUTO FILL-IN  (NO)
42:  NEXT PAGE NUMBER  (NO)
42:  BRANCHING  (NO)
42:  AUTO-INCREMENT  (NO)
42:  OUTPUT TO MEMORY CELL  (NO)
42:  OUTPUT TO DISKETTE  (YES)
```

DISTANCE
TO
ANNULUS
27

43: TAB STOP (YES)
43: INPUT TYPE (KEYBOARD)
43: CHARACTER TYPE (DIGIT)
43: SECURITY FIELD (NO)
43: OVERRIDE ERROR FIELD (YES)
43: MINIMUM LENGTH (0)
43: EXACT LENGTH TABLE (NO)
43: RANGE (NO)
43: ALLOWABLE ENTRY (NO)
43: SUBSTITUTION (NO)
43: JUSTIFICATION (RIGHT)
43: FILL CHARACTER ( )
43: FLOAT CHARACTER ( )
43: DECIMAL POSITIONS (0)
43: SIGN POSITION (LEADING)
43: AUTO CLOSE (YES)
43: ARITHMETIC OPERATION (NO)
43: AUTO FILL-IN (NO)
43: NEXT PAGE NUMBER (NO)
43: BRANCHING (NO)
43: AUTO-INCREMENT (NO)
43: OUTPUT TO MEMORY CELL (NO)
43: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
28

44: TAB STOP (YES)
44: INPUT TYPE (KEYBOARD)
44: CHARACTER TYPE (DIGIT)
44: SECURITY FIELD (NO)
44: OVERRIDE ERROR FIELD (YES)
44: MINIMUM LENGTH (0)
44: EXACT LENGTH TABLE (NO)
44: RANGE (NO)
44: ALLOWABLE ENTRY (NO)
44: SUBSTITUTION (NO)
44: JUSTIFICATION (RIGHT)
44: FILL CHARACTER ( )
44: FLOAT CHARACTER ( )
44: DECIMAL POSITIONS (0)
44: SIGN POSITION (LEADING)
44: AUTO CLOSE (YES)
44: ARITHMETIC OPERATION (NO)
44: AUTO FILL-IN (NO)
44: NEXT PAGE NUMBER (NO)
44: BRANCHING (NO)
44: AUTO-INCREMENT (NO)
44: OUTPUT TO MEMORY CELL (NO)
44: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
29

45: TAB STOP (YES)
45: INPUT TYPE (KEYBOARD)
45: CHARACTER TYPE (DIGIT)
45: SECURITY FIELD (NO)
45: OVERRIDE ERROR FIELD (YES)
45: MINIMUM LENGTH (0)
45: EXACT LENGTH TABLE (NO)
45: RANGE (NO)
45: ALLOWABLE ENTRY (NO)
45: SUBSTITUTION (NO)
45: JUSTIFICATION (RIGHT)
45: FILL CHARACTER ( )
45: FLOAT CHARACTER ( )
45: DECIMAL POSITIONS (0)
45: SIGN POSITION (LEADING)
45: AUTO CLOSE (YES)
45: ARITHMETIC OPERATION (NO)
45: AUTO FILL-IN (NO)
45: NEXT PAGE NUMBER (NO)
45: BRANCHING (NO)
45: AUTO-INCREMENT (NO)
45: OUTPUT TO MEMORY CELL (NO)
45: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
30

46: TAB STOP (YES)
46: INPUT TYPE (KEYBOARD)
46: CHARACTER TYPE (DIGIT)
46: SECURITY FIELD (NO)
46: OVERRIDE ERROR FIELD (YES)
46: MINIMUM LENGTH (0)
46: EXACT LENGTH TABLE (NO)
46: RANGE (NO)
46: ALLOWABLE ENTRY (NO)
46: SUBSTITUTION (NO)
46: JUSTIFICATION (RIGHT)
46: FILL CHARACTER ( )
46: FLOAT CHARACTER ( )
46: DECIMAL POSITIONS (0)
46: SIGN POSITION (LEADING)
46: AUTO CLOSE (YES)
46: ARITHMETIC OPERATION (NO)
46: AUTO FILL-IN (NO)
46: NEXT PAGE NUMBER (NO)
46: BRANCHING (NO)
46: AUTO-INCREMENT (NO)
46: OUTPUT TO MEMORY CELL (NO)
46: OUTPUT TO DISKETTE (YES)

NUMBER OF SPAWNING MARKS

47: TAB STOP (YES)
47: INPUT TYPE (KEYBOARD)
47: CHARACTER TYPE (DIGIT)
47: SECURITY FIELD (NO)
47: OVERRIDE ERROR FIELD (YES)
47: MINIMUM LENGTH (0)
47: EXACT LENGTH TABLE (NO)
47: RANGE (NO)
47: ALLOWABLE ENTRY (NO)
47: SUBSTITUTION (NO)
47: JUSTIFICATION (RIGHT)
47: FILL CHARACTER ( )
47: FLOAT CHARACTER ( )
47: DECIMAL POSITIONS (0)
47: SIGN POSITION (LEADING)
47: AUTO CLOSE (YES)
47: ARITHMETIC OPERATION (NO)
47: AUTO FILL-IN (NO)
47: NEXT PAGE NUMBER (NO)
47: BRANCHING (NO)
47: AUTO-INCREMENT (NO)
47: OUTPUT TO MEMORY CELL (NO)
47: OUTPUT TO DISKETTE (YES)

FILL

48: TAB STOP (YES)
48: INPUT TYPE (CONSTANT: )
48: CHARACTER TYPE (PRINTABLE)
48: SECURITY FIELD (NO)
48: OVERRIDE ERROR FIELD (NO)
48: MINIMUM LENGTH (0)
48: EXACT LENGTH TABLE (NO)
48: RANGE (NO)
48: ALLOWABLE ENTRY (NO)
48: SUBSTITUTION (NO)
48: JUSTIFICATION (LEFT)
48: FILL CHARACTER ( )
48: FLOAT CHARACTER ( )
48: DECIMAL POSITIONS (0)
48: SIGN POSITION (LEADING)
48: AUTO CLOSE (YES)
48: ARITHMETIC OPERATION (NO)
48: AUTO FILL-IN (NO)
48: NEXT PAGE NUMBER (NO)
48: BRANCHING (NO)

48: AUTO-INCREMENT (NO)
48: OUTPUT TO MEMORY CELL (NO)
48: OUTPUT TO DISKETTE (YES)

```
BIOFORM-05
LOAD
RECORD TYPE:
ONE
49:  TAB STOP  (YES)
49:  INPUT TYPE  (KEYBOARD)
49:  CHARACTER TYPE  (PRINTABLE)
49:  SECURITY FIELD  (NO)
49:  OVERRIDE ERROR FIELD  (NO)
49:  MINIMUM LENGTH  (0)
49:  EXACT LENGTH TABLE  (NO)
49:  RANGE  (NO)
49:  ALLOWABLE ENTRY  (NO)
49:  SUBSTITUTION  (NO)
49:  JUSTIFICATION  (LEFT)
49:  FILL CHARACTER  ( )
49:  FLOAT CHARACTER  ( )
49:  DECIMAL POSITIONS  (0)
49:  SIGN POSITION  (LEADING)
49:  AUTO CLOSE  (YES)
49:  ARITHMETIC OPERATION  (NO)
49:  AUTO FILL-IN  (NO)
49:  NEXT PAGE NUMBER (YES - PAGE 1)
49:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
49:  AUTO-INCREMENT  (NO)
49:  OUTPUT TO MEMORY CELL  (NO)
49:  OUTPUT TO DISKETTE  (NO)

LOAD
RECORD TYPE:
TWO
50:  TAB STOP  (YES)
50:  INPUT TYPE  (KEYBOARD)
50:  CHARACTER TYPE  (PRINTABLE)
50:  SECURITY FIELD  (NO)
50:  OVERRIDE ERROR FIELD  (NO)
50:  MINIMUM LENGTH  (0)
50:  EXACT LENGTH TABLE  (NO)
50:  RANGE  (NO)
50:  ALLOWABLE ENTRY  (NO)
50:  SUBSTITUTION  (NO)
50:  JUSTIFICATION  (LEFT)
50:  FILL CHARACTER  ( )
50:  FLOAT CHARACTER  ( )
50:  DECIMAL POSITIONS  (0)
50:  SIGN POSITION  (LEADING)
50:  AUTO CLOSE  (YES)
50:  ARITHMETIC OPERATION  (NO)
50:  AUTO FILL-IN  (NO)
50:  NEXT PAGE NUMBER (YES - PAGE 2)
50:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
50:  AUTO-INCREMENT  (NO)
50:  OUTPUT TO MEMORY CELL  (NO)
50:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD
RECORD TYPE:
THREE

BIOFORM-05
51:  TAB STOP  (YES)
51:  INPUT TYPE  (KEYBOARD)
51:  CHARACTER TYPE  (PRINTABLE)
51:  SECURITY FIELD  (NO)
51:  OVERRIDE ERROR FIELD  (NO)
51:  MINIMUM LENGTH  (0)
51:  EXACT LENGTH TABLE  (NO)
51:  RANGE  (NO)
51:  ALLOWABLE ENTRY  (NO)
51:  SUBSTITUTION  (NO)
51:  JUSTIFICATION  (LEFT)
51:  FILL CHARACTER  ( )
51:  FLOAT CHARACTER  ( )
51:  DECIMAL POSITIONS  (0)
51:  SIGN POSITION  (LEADING)
51:  AUTO CLOSE  (YES)
51:  ARITHMETIC OPERATION  (NO)
51:  AUTO FILL-IN  (NO)
51:  NEXT PAGE NUMBER  (YES - PAGE 3)
51:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
51:  AUTO-INCREMENT  (NO)
51:  OUTPUT TO MEMORY CELL  (NO)
51:  OUTPUT TO DISKETTE  (NO)

LOAD
RECORD TYPE:
FOUR

52:  TAB STOP  (YES)
52:  INPUT TYPE  (KEYBOARD)
52:  CHARACTER TYPE  (PRINTABLE)
52:  SECURITY FIELD  (NO)
52:  OVERRIDE ERROR FIELD  (NO)
52:  MINIMUM LENGTH  (0)
52:  EXACT LENGTH TABLE  (NO)
52:  RANGE  (NO)
52:  ALLOWABLE ENTRY  (NO)
52:  SUBSTITUTION  (NO)
52:  JUSTIFICATION  (LEFT)
52:  FILL CHARACTER  ( )
52:  FLOAT CHARACTER  ( )
52:  DECIMAL POSITIONS  (0)
52:  SIGN POSITION  (LEADING)
52:  AUTO CLOSE  (YES)
52:  ARITHMETIC OPERATION  (NO)
52:  AUTO FILL-IN  (NO)
52:  NEXT PAGE NUMBER  (YES - PAGE 4
52:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
52:  AUTO-INCREMENT  (NO)
52:  OUTPUT TO MEMORY CELL  (NO)
52:  OUTPUT TO DISKETTE  (NO)
```

```
                    BIOFORM-05
LOAD                53:  TAB STOP  (YES)
RECORD TYPE:        53:  INPUT TYPE  (KEYBOARD)
FIVE                53:  CHARACTER TYPE  (PRINTABLE)
                    53:  SECURITY FIELD  (NO)
                    53:  OVERRIDE ERROR FIELD  (NO)
                    53:  MINIMUM LENGTH  (0)
                    53:  EXACT LENGTH TABLE  (NO)
                    53:  RANGE  (NO)
                    53:  ALLOWABLE ENTRY  (NO)
                    53:  SUBSTITUTION  (NO)
                    53:  JUSTIFICATION  (LEFT)
                    53:  FILL CHARACTER  ( )
                    53:  FLOAT CHARACTER  ( )
                    53:  DECIMAL POSITIONS  (0)
                    53:  SIGN POSITION  (LEADING)
                    53:  AUTO CLOSE  (YES)
                    53:  ARITHMETIC OPERATION  (NO)
                    53:  AUTO FILL-IN  (NO)
                    53:  NEXT PAGE NUMBER (YES - PAGE 5)
                    53:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

                      BRANCH: MINIMUM LENGTH  (0)
                     BRANCH: MAXIMUM LENGTH  (1)
                     BRANCH: EXACT LENGTH TABLE  (NO)
                    BRANCH: RANGE  (NO)
                     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                     X;))
                    53:  AUTO-INCREMENT  (NO)
                    53:  OUTPUT TO MEMORY CELL  (NO)
                    53:  OUTPUT TO DISKETTE  (NO)

LOAD                54:  TAB STOP  (YES)
RECORD TYPE:        54:  INPUT TYPE  (KEYBOARD)
SIX                 54:  CHARACTER TYPE  (PRINTABLE)
                    54:  SECURITY FIELD  (NO)
                    54:  OVERRIDE ERROR FIELD  (NO)
                    54:  MINIMUM LENGTH  (0)
                    54:  EXACT LENGTH TABLE  (NO)
                    54:  RANGE  (NO)
                    54:  ALLOWABLE ENTRY  (NO)
                    54:  SUBSTITUTION  (NO)
                    54:  JUSTIFICATION  (LEFT)
                    54:  FILL CHARACTER  ( )
                    54:  FLOAT CHARACTER  ( )
                    54:  DECIMAL POSITIONS  (0)
                    54:  SIGN POSITION  (LEADING)
                    54:  AUTO CLOSE  (YES)
                    54:  ARITHMETIC OPERATION  (NO)
                    54:  AUTO FILL-IN  (NO)
                    54:  NEXT PAGE NUMBER  (YES - PAGE 6)
                    54:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

                      BRANCH: MINIMUM LENGTH  (0)
                     BRANCH: MAXIMUM LENGTH  (1)
                     BRANCH: EXACT LENGTH TABLE  (NO)
                    BRANCH: RANGE  (NO)
                     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                     X;))
                    54:  AUTO-INCREMENT  (NO)
                    54:  OUTPUT TO MEMORY CELL  (NO)
                    54:  OUTPUT TO DISKETTE  (NO)
```

BIOFORM-05

```
LOAD
RECORD TYPE:
SEVEN
```

```
55:  TAB STOP  (YES)
55:  INPUT TYPE (KEYBOARD)
55:  CHARACTER TYPE  (PRINTABLE)
55:  SECURITY FIELD  (NO)
55:  OVERRIDE ERROR FIELD  (NO)
55:  MINIMUM LENGTH  (0)
55:  EXACT LENGTH TABLE  (NO)
55:  RANGE  (NO)
55:  ALLOWABLE ENTRY  (NO)
55:  SUBSTITUTION  (NO)
55:  JUSTIFICATION  (LEFT)
55:  FILL CHARACTER  ( )
55:  FLOAT CHARACTER  ( )
55:  DECIMAL POSITIONS  (0)
55:  SIGN POSITION  (LEADING)
55:  AUTO CLOSE  (YES)
55:  ARITHMETIC OPERATION  (NO)
55:  AUTO FILL-IN  (NO)
55:  NEXT PAGE NUMBER  (YES - PAGE 7)
55:  BRANCHING  (TEST  LINE: 23  POSITION: 80*

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
55:  AUTO-INCREMENT  (NO)
55:  OUTPUT TO MEMORY CELL  (NO)
55:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD
RECORD TYPE:
EIGHT
```

```
56:  TAB STOP  (YES)
56:  INPUT TYPE (KEYBOARD)
56:  CHARACTER TYPE  (PRINTABLE)
56:  SECURITY FIELD  (NO)
56:  OVERRIDE ERROR FIELD  (NO)
56:  MINIMUM LENGTH  (0)
56:  EXACT LENGTH TABLE  (NO)
56:  RANGE  (NO)
56:  ALLOWABLE ENTRY  (NO)
56:  SUBSTITUTION  (NO)
56:  JUSTIFICATION  (LEFT)
56:  FILL CHARACTER  ( )
56:  FLOAT CHARACTER  ( )
56:  DECIMAL POSITIONS  (0)
56:  SIGN POSITION  (LEADING)
56:  AUTO CLOSE  (YES)
56:  ARITHMETIC OPERATION  (NO)
56:  AUTO FILL-IN  (NO)
56:  NEXT PAGE NUMBER  (NO)
56:  BRANCHING  (NO)
```

```
56:  AUTO-INCREMENT  (NO)
56:  OUTPUT TO MEMORY CELL  (NO)
56:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
NINE

```
BIOFORM-05
57:  TAB STOP  (YES)
57:  INPUT TYPE (KEYBOARD)
57:  CHARACTER TYPE  (PRINTABLE)
57:  SECURITY FIELD  (NO)
57:  OVERRIDE ERROR FIELD  (NO)
57:  MINIMUM LENGTH  (0)
57:  EXACT LENGTH TABLE.  (NO)
57:  RANGE  (NO)
57:  ALLOWABLE ENTRY  (NO)
57:  SUBSTITUTION  (NO)
57:  JUSTIFICATION  (LEFT)
57:  FILL CHARACTER  ( )
57:  FLOAT CHARACTER  ( )
57:  DECIMAL POSITIONS  (0)
57:  SIGN POSITION  (LEADING)
57:  AUTO CLOSE  (YES)
57:  ARITHMETIC OPERATION  (NO)
57:  AUTO FILL-IN  (NO)
57:  NEXT PAGE NUMBER  (YES - PAGE 8)
57:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
57:  AUTO-INCREMENT  (NO)
57:  OUTPUT TO MEMORY CELL.  (NO)
57:  OUTPUT TO DISKETTE  (NO)
```

INDIVIDUAL DATA-SHORT FORM FORM PAGE 06

ACTION FIELD < RECORD TYPE < SEQUENCE NO: YEAR << COLLECTION NO <<<<<
REPLICATE << SPECIES <<<<<<<<<< STATUS < FIRST LINE NO <<<

| | | | |
|---|---|---|---|
| 1. FREQUENCY <<< | LENGTH <<<< | 2. FREQUENCY <<< | LENGTH <<<< |
| 3. FREQUENCY <<< | LENGTH <<<< | 4. FREQUENCY <<< | LENGTH <<<< |
| 5. FREQUENCY <<< | LENGTH <<<< | 6. FREQUENCY <<< | LENGTH <<<< |
| 7. FREQUENCY <<< | LENGTH <<<< | 8. FREQUENCY <<< | LENGTH <<<< |
| 9. FREQUENCY <<< | LENGTH <<<< | 10. FREQUENCY <<< | LENGTH <<<< |
| 11. FREQUENCY <<< | LENGTH <<<< | 12. FREQUENCY <<< | LENGTH <<<< |
| 13. FREQUENCY <<< | LENGTH <<<< | 14. FREQUENCY <<< | LENGTH <<<< |

FILL <<<<<

----------LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'----------
ONE < TWO < THREE < FOUR < FIVE < SIX < SEVEN < EIGHT < NINE <

BIOFORM-06 ATTRIBUTES

ACTION FIELD

```
TAB STOP  (YES)
1:  INPUT TYPE (KEYBOARD CONSTANT:    )
1:  CHARACTER TYPE  (PRINTABLE)
1:  SECURITY FIELD  (NO)
1:  OVERRIDE ERROR FIELD  (NO)
1:  MINIMUM LENGTH  (0)
1:  EXACT LENGTH TABLE  (NO)
1:  RANGE  (NO)
1:  ALLOWABLE ENTRY  (NO)
1:  SUBSTITUTION  (NO)
1:  JUSTIFICATION  (LEFT)
1:  FILL CHARACTER  ( )
1:  FLOAT CHARACTER  ( )
1:  DECIMAL POSITIONS  (0)
1:  SIGN POSITION  (LEADING)
1:  AUTO CLOSE  (YES)
1:  ARITHMETIC OPERATION  (NO)
1:  AUTO FILL-IN  (NO)
1:  NEXT PAGE NUMBER  (NO)
1:  BRANCHING  (NO)
1:  AUTO-INCREMENT  (NO)
1:  OUTPUT TO MEMORY CELL  (NO)
1:  OUTPUT TO DISKETTE  (YES)
```

RECORD TYPE

```
2:  TAB STOP  (YES)
2:  INPUT TYPE  (CONSTANT: 6)
2:  CHARACTER TYPE  (PRINTABLE)
2:  SECURITY FIELD  (NO)
2:  OVERRIDE ERROR FIELD  (NO)
2:  MINIMUM LENGTH  (0)
2:  EXACT LENGTH TABLE  (NO)
2:  RANGE  (NO)
2:  ALLOWABLE ENTRY  (NO)
2:  SUBSTITUTION  (NO)
2:  JUSTIFICATION  (LEFT)
2:  FILL CHARACTER  ( )
2:  FLOAT CHARACTER  ( )
2:  DECIMAL POSITIONS  (0)
2:  SIGN POSITION  (LEADING)
2:  AUTO CLOSE  (YES)
2:  ARITHMETIC OPERATION  (NO)
2:  AUTO FILL-IN  (NO)
2:  NEXT PAGE NUMBER  (NO)
2:  BRANCHING  (NO)
2:  AUTO-INCREMENT  (NO)
2:  OUTPUT TO MEMORY CELL  (NO)
2:  OUTPUT TO DISKETTE  (YES)
```

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (MEMORY CELL # 1)
3: CHARACTER TYPE (PRINTABLE)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (NO)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ( )
3: FLOAT CHARACTER ( )
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
4: INPUT TYPE (MEMORY CELL # 2)
4: CHARACTER TYPE (PRINTABLE)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (0)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (LEFT)
4: FILL CHARACTER ( )
4: FLOAT CHARACTER ( )
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

REPLICATE

5: TAB STOP (YES)
5: INPUT TYPE (MEMORY CELL # 3)
5: CHARACTER TYPE (PRINTABLE)
5: SECURITY FIELD (NO)
5: OVERRIDE ERROR FIELD (NO)
5: MINIMUM LENGTH (0)
5: EXACT LENGTH TABLE (NO)
5: RANGE (NO)
5: ALLOWABLE ENTRY (NO)
5: SUBSTITUTION (NO)
5: JUSTIFICATION (LEFT)
5: FILL CHARACTER ( )
5: FLOAT CHARACTER (0)
5: DECIMAL POSITIONS (0)
5: SIGN POSITION (LEADING)
5: AUTO CLOSE (YES)
5: ARITHMETIC OPERATION (NO)
5: AUTO FILL-IN (NO)
5: NEXT PAGE NUMBER (NO)
5: BRANCHING (NO)
5: AUTO-INCREMENT (NO)
5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
6: INPUT TYPE (MEMORY CELL # 4)
6: CHARACTER TYPE (PRINTABLE)
6: SECURITY FIELD (NO)
6: OVERRIDE ERROR FIELD (NO)
6: MINIMUM LENGTH (0)
6: EXACT LENGTH TABLE (NO)
6: RANGE (NO)
6: ALLOWABLE ENTRY (NO)
6: SUBSTITUTION (NO)
6: JUSTIFICATION (LEFT)
6: FILL CHARACTER ( )
6: FLOAT CHARACTER ( )
6: DECIMAL POSITIONS (0)
6: SIGN POSITION (LEADING)
6: AUTO CLOSE (YES)
6: ARITHMETIC OPERATION (NO)
6: AUTO FILL-IN (NO)
6: NEXT PAGE NUMBER (NO)
6: BRANCHING (NO)
6: AUTO-INCREMENT (NO)
6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
6: OUTPUT TO DISKETTE (YES)

BIOFORM-06

STATUS

```
7:  TAB STOP  (YES)
7:  INPUT TYPE  (MEMORY CELL #  5)
7:  CHARACTER TYPE  (PRINTABLE)
7:  SECURITY FIELD  (NO)
7:  OVERRIDE ERROR FIELD  (NO)
7:  MINIMUM LENGTH  (0)
7:  EXACT LENGTH TABLE  (NO)
7:  RANGE  (NO)
7:  ALLOWABLE ENTRY  (NO)
7:  SUBSTITUTION  (NO)
7:  JUSTIFICATION  (LEFT)
7:  FILL CHARACTER  ( )
7:  FLOAT CHARACTER  ( )
7:  DECIMAL POSITIONS  (0)
7:  SIGN POSITION  (LEADING)
7:  AUTO CLOSE  (YES)
7:  ARITHMETIC OPERATION  (NO)
7:  AUTO FILL-IN  (NO)
7:  NEXT PAGE NUMBER  (NO)
7:  BRANCHING  (NO)
7:  AUTO-INCREMENT  (NO)
7:  OUTPUT TO MEMORY CELL  (YES - MEMORY CELL # 5)
7:  OUTPUT TO DISKETTE  (YES)
```

FIRST
LINE
NO

```
8:  TAB STOP  (YES)
8:  INPUT TYPE  (KEYBOARD-CONSTANT: 001)
8:  CHARACTER TYPE  (DIGIT)
8:  SECURITY FIELD  (NO)
8:  OVERRIDE ERROR FIELD  ( %0 )
8:  MINIMUM LENGTH  (0)
8:  EXACT LENGTH TABLE  (NO)
8:  RANGE  (NO)
8:  ALLOWABLE ENTRY  (NO)
8:  SUBSTITUTION  (NO)
8:  JUSTIFICATION  (RIGHT)
8:  FILL CHARACTER  (0)
8:  FLOAT CHARACTER  (0)
8:  DECIMAL POSITIONS  (0)
8:  SIGN POSITION  (LEADING)
8:  AUTO CLOSE  (YES)
8:  ARITHMETIC OPERATION  (NO)
8:  AUTO FILL-IN  (NO)
8:  NEXT PAGE NUMBER  (NO)
8:  BRANCHING  (NO)
8:  AUTO-INCREMENT  (NO)
8:  OUTPUT TO MEMORY CELL  (NO)
8:  OUTPUT TO DISKETTE  (YES)
```

1. FREQUENCY

```
9:  TAB STOP  (YES)
9:  INPUT TYPE  (KEYBOARD)
9:  CHARACTER TYPE  (DIGIT)
9:  SECURITY FIELD  (NO)
9:  OVERRIDE ERROR FIELD  (YES)
9:  MINIMUM LENGTH  (0)
9:  EXACT LENGTH TABLE  (NO)
9:  RANGE  (NO)
9:  ALLOWABLE ENTRY  (NO)
9:  SUBSTITUTION  (NO)
9:  JUSTIFICATION  (RIGHT)
9:  FILL CHARACTER  ( )
9:  FLOAT CHARACTER  ( )
9:  DECIMAL POSITIONS  (0)
9:  SIGN POSITION  (LEADING)
9:  AUTO CLOSE  (YES)
9:  ARITHMETIC OPERATION  (NO)
9:  AUTO FILL-IN  (NO)
9:  NEXT PAGE NUMBER  (NO)
9:  BRANCHING  (NO)
9:  AUTO-INCREMENT  (NO)
9:  OUTPUT TO MEMORY CELL  (NO)
9:  OUTPUT TO DISKETTE  (YES)
```

1. LENGTH

```
10:  TAB STOP  (YES)
10:  INPUT TYPE  (KEYBOARD)
10:  CHARACTER TYPE  (DIGIT)
10:  SECURITY FIELD  (NO)
10:  OVERRIDE ERROR FIELD  (YES)
10:  MINIMUM LENGTH  (0)
10:  EXACT LENGTH TABLE  (NO)
10:  RANGE  (NO)
10:  ALLOWABLE ENTRY  (NO)
10:  SUBSTITUTION  (NO)
10:  JUSTIFICATION  (RIGHT)
10:  FILL CHARACTER  ( )
10:  FLOAT CHARACTER  ( )
10:  DECIMAL POSITIONS  (0)
10:  SIGN POSITION  (LEADING)
10:  AUTO CLOSE  (YES)
10:  ARITHMETIC OPERATION  (NO)
10:  AUTO FILL-IN  (NO)
10:  NEXT PAGE NUMBER  (NO)
10:  BRANCHING  (NO)
10:  AUTO-INCREMENT  (NO)
10:  OUTPUT TO MEMORY CELL  (NO)
10:  OUTPUT TO DISKETTE  (YES)
```

2. FREQUENCY

```
11:  TAB STOP  (YES)
11:  INPUT TYPE  (KEYBOARD)
11:  CHARACTER TYPE  (DIGIT)
11:  SECURITY FIELD  (NO)
11:  OVERRIDE ERROR FIELD  (YES)
11:  MINIMUM LENGTH  (0)
11:  EXACT LENGTH TABLE  (NO)
11:  RANGE  (NO)
11:  ALLOWABLE ENTRY  (NO)
11:  SUBSTITUTION  (NO)
11:  JUSTIFICATION  (RIGHT)
11:  FILL CHARACTER  ( )
11:  FLOAT CHARACTER  ( )
11:  DECIMAL POSITIONS  (0)
11:  SIGN POSITION  (LEADING)
11:  AUTO CLOSE  (YES)
11:  ARITHMETIC OPERATION  (NO)
11:  AUTO FILL-IN  (NO)
11:  NEXT PAGE NUMBER  (NO)
11:  BRANCHING  (NO)
11:  AUTO-INCREMENT  (NO)
11:  OUTPUT TO MEMORY CELL  (NO)
11:  OUTPUT TO DISKETTE  (YES)
```

2. LENGTH

```
12:  TAB STOP  (YES)
12:  INPUT TYPE  (KEYBOARD)
12:  CHARACTER TYPE  (DIGIT)
12:  SECURITY FIELD  (NO)
12:  OVERRIDE ERROR FIELD  (YES)
12:  MINIMUM LENGTH  (0)
12:  EXACT LENGTH TABLE  (NO)
12:  RANGE  (NO)
12:  ALLOWABLE ENTRY  (NO)
12:  SUBSTITUTION  (NO)
12:  JUSTIFICATION  (RIGHT)
12:  FILL CHARACTER  ( )
12:  FLOAT CHARACTER  ( )
12:  DECIMAL POSITIONS  (0)
12:  SIGN POSITION  (LEADING)
12:  AUTO CLOSE  (YES)
12:  ARITHMETIC OPERATION  (NO)
12:  AUTO FILL-IN  (NO)
12:  NEXT PAGE NUMBER  (NO)
12:  BRANCHING  (NO)
12:  AUTO-INCREMENT  (NO)
12:  OUTPUT TO MEMORY CELL  (NO)
12:  OUTPUT TO DISKETTE  (YES)
```

3. FREQUENCY

```
13:  TAB STOP  (YES)
13:  INPUT TYPE  (KEYBOARD)
13:  CHARACTER TYPE  (DIGIT)
13:  SECURITY FIELD  (NO)
13:  OVERRIDE ERROR FIELD  (YES)
13:  MINIMUM LENGTH  (0)
13:  EXACT LENGTH TABLE  (NO)
13:  RANGE  (NO)
13:  ALLOWABLE ENTRY  (NO)
13:  SUBSTITUTION  (NO)
13:  JUSTIFICATION  (RIGHT)
13:  FILL CHARACTER  ( )
13:  FLOAT CHARACTER  ( )
13:  DECIMAL POSITIONS  (0)
13:  SIGN POSITION  (LEADING)
13:  AUTO CLOSE  (YES)
13:  ARITHMETIC OPERATION  (NO)
13:  AUTO FILL-IN  (NO)
13:  NEXT PAGE NUMBER  (NO)
13:  BRANCHING  (NO)
13:  AUTO-INCREMENT  (NO)
13:  OUTPUT TO MEMORY CELL  (NO)
13:  OUTPUT TO DISKETTE  (YES)
```

3. LENGTH

```
14:  TAB STOP  (YES)
14:  INPUT TYPE  (KEYBOARD)
14:  CHARACTER TYPE  (DIGIT)
14:  SECURITY FIELD  (NO)
14:  OVERRIDE ERROR FIELD  (YES)
14:  MINIMUM LENGTH  (0)
14:  EXACT LENGTH TABLE  (NO)
14:  RANGE  (NO)
14:  ALLOWABLE ENTRY  (NO)
14:  SUBSTITUTION  (NO)
14:  JUSTIFICATION  (RIGHT)
14:  FILL CHARACTER  ( )
14:  FLOAT CHARACTER  ( )
14:  DECIMAL POSITIONS  (0)
14:  SIGN POSITION  (LEADING)
14:  AUTO CLOSE  (YES)
14:  ARITHMETIC OPERATION  (NO)
14:  AUTO FILL-IN  (NO)
14:  NEXT PAGE NUMBER  (NO)
14:  BRANCHING  (NO)
14:  AUTO-INCREMENT  (NO)
14:  OUTPUT TO MEMORY CELL  (NO)
14:  OUTPUT TO DISKETTE  (YES)
```

4. FREQUENCY

```
15:  TAB STOP  (YES)
15:  INPUT TYPE  (KEYBOARD)
15:  CHARACTER TYPE  (DIGIT)
15:  SECURITY FIELD  (NO)
15:  OVERRIDE ERROR FIELD  (YES)
15:  MINIMUM LENGTH  (0)
15:  EXACT LENGTH TABLE  (NO)
15:  RANGE  (NO)
15:  ALLOWABLE ENTRY  (NO)
15:  SUBSTITUTION  (NO)
15:  JUSTIFICATION  (RIGHT)
15:  FILL CHARACTER  ( )
15:  FLOAT CHARACTER  ( )
15:  DECIMAL POSITIONS  (0)
15:  SIGN POSITION  (LEADING)
15:  AUTO CLOSE  (YES)
15:  ARITHMETIC OPERATION  (NO)
15:  AUTO FILL-IN  (NO)
15:  NEXT PAGE NUMBER  (NO)
15:  BRANCHING  (NO)
15:  AUTO-INCREMENT  (NO)
15:  OUTPUT TO MEMORY CELL  (NO)
15:  OUTPUT TO DISKETTE  (YES)
```

4. LENGTH

```
16:  TAB STOP  (YES)
16:  INPUT TYPE  (KEYBOARD)
16:  CHARACTER TYPE  (DIGIT)
16:  SECURITY FIELD  (NO)
16:  OVERRIDE ERROR FIELD  (YES)
16:  MINIMUM LENGTH  (0)
16:  EXACT LENGTH TABLE  (NO)
16:  RANGE  (NO)
16:  ALLOWABLE ENTRY  (NO)
16:  SUBSTITUTION  (NO)
16:  JUSTIFICATION  (RIGHT)
16:  FILL CHARACTER  ( )
16:  FLOAT CHARACTER  ( )
16:  DECIMAL POSITIONS  (0)
16:  SIGN POSITION  (LEADING)
16:  AUTO CLOSE  (YES)
16:  ARITHMETIC OPERATION  (NO)
16:  AUTO FILL-IN  (NO)
16:  NEXT PAGE NUMBER  (NO)
16:  BRANCHING  (NO)
16:  AUTO-INCREMENT  (NO)
16:  OUTPUT TO MEMORY CELL  (NO)
16:  OUTPUT TO DISKETTE  (YES)
```

5. FREQUENCY

```
17:  TAB STOP  (YES)
17:  INPUT TYPE  (KEYBOARD)
17:  CHARACTER TYPE  (DIGIT)
17:  SECURITY FIELD  (NO)
17:  OVERRIDE ERROR FIELD  (YES)
17:  MINIMUM LENGTH  (0)
17:  EXACT LENGTH TABLE  (NO)
17:  RANGE  (NO)
17:  ALLOWABLE ENTRY  (NO)
17:  SUBSTITUTION  (NO)
17:  JUSTIFICATION  (RIGHT)
17:  FILL CHARACTER  ( )
17:  FLOAT CHARACTER  ( )
17:  DECIMAL POSITIONS  (0)
17:  SIGN POSITION  (LEADING)
17:  AUTO CLOSE  (YES)
17:  ARITHMETIC OPERATION  (NO)
17:  AUTO FILL-IN  (NO)
17:  NEXT PAGE NUMBER  (NO)
17:  BRANCHING  (NO)
17:  AUTO-INCREMENT  (NO)
17:  OUTPUT TO MEMORY CELL  (NO)
17:  OUTPUT TO DISKETTE  (YES)
```

5. LENGTH

```
18:  TAB STOP  (YES)
18:  INPUT TYPE  (KEYBOARD)
18:  CHARACTER TYPE  (DIGIT)
18:  SECURITY FIELD  (NO)
18:  OVERRIDE ERROR FIELD  (YES)
18:  MINIMUM LENGTH  (0)
18:  EXACT LENGTH TABLE  (NO)
18:  RANGE  (NO)
18:  ALLOWABLE ENTRY  (NO)
18:  SUBSTITUTION  (NO)
18:  JUSTIFICATION  (RIGHT)
18:  FILL CHARACTER  ( )
18:  FLOAT CHARACTER  ( )
18:  DECIMAL POSITIONS  (0)
18:  SIGN POSITION  (LEADING)
18:  AUTO CLOSE  (YES)
18:  ARITHMETIC OPERATION  (NO)
18:  AUTO FILL-IN  (NO)
18:  NEXT PAGE NUMBER  (NO)
18:  BRANCHING  (NO)
18:  AUTO-INCREMENT  (NO)
18:  OUTPUT TO MEMORY CELL  (NO)
18:  OUTPUT TO DISKETTE  (YES)
```

6. FREQUENCY

```
19:  TAB STOP  (YES)
19:  INPUT TYPE  (KEYBOARD)
19:  CHARACTER TYPE  (DIGIT)
19:  SECURITY FIELD  (NO)
19:  OVERRIDE ERROR FIELD  (YES)
19:  MINIMUM LENGTH  (0)
19:  EXACT LENGTH TABLE  (NO)
19:  RANGE  (NO)
19:  ALLOWABLE ENTRY  (NO)
19:  SUBSTITUTION  (NO)
19:  JUSTIFICATION  (RIGHT)
19:  FILL CHARACTER  ( )
19:  FLOAT CHARACTER  ( )
19:  DECIMAL POSITIONS  (0)
19:  SIGN POSITION  (LEADING)
19:  AUTO CLOSE  (YES)
19:  ARITHMETIC OPERATION  (NO)
19:  AUTO FILL-IN  (NO)
19:  NEXT PAGE NUMBER  (NO)
19:  BRANCHING  (NO)
19:  AUTO-INCREMENT  (NO)
19:  OUTPUT TO MEMORY CELL  (NO)
19:  OUTPUT TO DISKETTE  (YES)
```

6. LENGTH

```
20:  TAB STOP  (YES)
20:  INPUT TYPE  (KEYBOARD)
20:  CHARACTER TYPE  (DIGIT)
20:  SECURITY FIELD  (NO)
20:  OVERRIDE ERROR FIELD  (YES)
20:  MINIMUM LENGTH  (0)
20:  EXACT LENGTH TABLE  (NO)
20:  RANGE  (NO)
20:  ALLOWABLE ENTRY  (NO)
20:  SUBSTITUTION  (NO)
20:  JUSTIFICATION  (RIGHT)
20:  FILL CHARACTER  ( )
20:  FLOAT CHARACTER  ( )
20:  DECIMAL POSITIONS  (0)
20:  SIGN POSITION  (LEADING)
20:  AUTO CLOSE  (YES)
20:  ARITHMETIC OPERATION  (NO)
20:  AUTO FILL-IN  (NO)
20:  NEXT PAGE NUMBER  (NO)
20:  BRANCHING  (NO)
20:  AUTO-INCREMENT  (NO)
20:  OUTPUT TO MEMORY CELL  (NO)
20:  OUTPUT TO DISKETTE  (YES)
```

7. FREQUENCY

```
21:  TAB STOP  (YES)
21:  INPUT TYPE  (KEYBOARD)
21:  CHARACTER TYPE  (DIGIT)
21:  SECURITY FIELD  (NO)
21:  OVERRIDE ERROR FIELD  (YES)
21:  MINIMUM LENGTH  (0)
21:  EXACT LENGTH TABLE  (NO)
21:  RANGE  (NO)
21:  ALLOWABLE ENTRY  (NO)
21:  SUBSTITUTION  (NO)
21:  JUSTIFICATION  (RIGHT)
21:  FILL CHARACTER  ( )
21:  FLOAT CHARACTER  ( )
21:  DECIMAL POSITIONS  (0)
21:  SIGN POSITION  (LEADING)
21:  AUTO CLOSE  (YES)
21:  ARITHMETIC OPERATION  (NO)
21:  AUTO FILL-IN  (NO)
21:  NEXT PAGE NUMBER  (NO)
21:  BRANCHING  (NO)
21:  AUTO-INCREMENT  (NO)
21:  OUTPUT TO MEMORY CELL  (NO)
21:  OUTPUT TO DISKETTE  (YES)
```

7. LENGTH

```
22:  TAB STOP  (YES)
22:  INPUT TYPE  (KEYBOARD)
22:  CHARACTER TYPE  (DIGIT)
22:  SECURITY FIELD  (NO)
22:  OVERRIDE ERROR FIELD  (YES)
22:  MINIMUM LENGTH  (0)
22:  EXACT LENGTH TABLE  (NO)
22:  RANGE  (NO)
22:  ALLOWABLE ENTRY  (NO)
22:  SUBSTITUTION  (NO)
22:  JUSTIFICATION  (RIGHT)
22:  FILL CHARACTER  ( )
22:  FLOAT CHARACTER  ( )
22:  DECIMAL POSITIONS  (0)
22:  SIGN POSITION  (LEADING)
22:  AUTO CLOSE  (YES)
22:  ARITHMETIC OPERATION  (NO)
22:  AUTO FILL-IN  (NO)
22:  NEXT PAGE NUMBER  (NO)
22:  BRANCHING  (NO)
22:  AUTO-INCREMENT  (NO)
22:  OUTPUT TO MEMORY CELL  (NO)
22:  OUTPUT TO DISKETTE  (YES)
```

8. FREQUENCY

```
23:  TAB STOP  (YES)
23:  INPUT TYPE  (KEYBOARD)
23:  CHARACTER TYPE  (DIGIT)
23:  SECURITY FIELD  (NO)
23:  OVERRIDE ERROR FIELD  (YES)
23:  MINIMUM LENGTH  (0)
23:  EXACT LENGTH TABLE  (NO)
23:  RANGE  (NO)
23:  ALLOWABLE ENTRY  (NO)
23:  SUBSTITUTION  (NO)
23:  JUSTIFICATION  (RIGHT)
23:  FILL CHARACTER  ( )
23:  FLOAT CHARACTER  ( )
23:  DECIMAL POSITIONS  (0)
23:  SIGN POSITION  (LEADING)
23:  AUTO CLOSE  (YES)
23:  ARITHMETIC OPERATION  (NO)
23:  AUTO FILL-IN  (NO)
23:  NEXT PAGE NUMBER  (NO)
23:  BRANCHING  (NO)
23:  AUTO-INCREMENT  (NO)
23:  OUTPUT TO MEMORY CELL  (NO)
23:  OUTPUT TO DISKETTE  (YES)
```

8. LENGTH

```
24:  TAB STOP  (YES)
24:  INPUT TYPE  (KEYBOARD)
24:  CHARACTER TYPE  (DIGIT)
24:  SECURITY FIELD  (NO)
24:  OVERRIDE ERROR FIELD  (YES)
24:  MINIMUM LENGTH  (0)
24:  EXACT LENGTH TABLE  (NO)
24:  RANGE  (NO)
24:  ALLOWABLE ENTRY  (NO)
24:  SUBSTITUTION  (NO)
24:  JUSTIFICATION  (RIGHT)
24:  FILL CHARACTER  ( )
24:  FLOAT CHARACTER  ( )
24:  DECIMAL POSITIONS  (0)
24:  SIGN POSITION  (LEADING)
24:  AUTO CLOSE  (YES)
24:  ARITHMETIC OPERATION  (NO)
24:  AUTO FILL-IN  (NO)
24:  NEXT PAGE NUMBER  (NO)
24:  BRANCHING  (NO)
24:  AUTO-INCREMENT  (NO)
24:  OUTPUT TO MEMORY CELL  (NO)
24:  OUTPUT TO DISKETTE  (YES)
```

9. FREQUENCY

```
25:  TAB STOP  (YES)
25:  INPUT TYPE  (KEYBOARD)
25:  CHARACTER TYPE  (DIGIT)
25:  SECURITY FIELD  (NO)
25:  OVERRIDE ERROR FIELD  (YES)
25:  MINIMUM LENGTH  (0)
25:  EXACT LENGTH TABLE  (NO)
25:  RANGE  (NO)
25:  ALLOWABLE ENTRY  (NO)
25:  SUBSTITUTION  (NO)
25:  JUSTIFICATION  (RIGHT)
25:  FILL CHARACTER  ( )
25:  FLOAT CHARACTER  ( )
25:  DECIMAL POSITIONS  (0)
25:  SIGN POSITION  (LEADING)
25:  AUTO CLOSE  (YES)
25:  ARITHMETIC OPERATION  (NO)
25:  AUTO FILL-IN  (NO)
25:  NEXT PAGE NUMBER  (NO)
25:  BRANCHING  (NO)
25:  AUTO-INCREMENT  (NO)
25:  OUTPUT TO MEMORY CELL  (NO)
25:  OUTPUT TO DISKETTE  (YES)
```

9. LENGTH

```
26:  TAB STOP  (YES)
26:  INPUT TYPE  (KEYBOARD)
26:  CHARACTER TYPE  (DIGIT)
26:  SECURITY FIELD  (NO)
26:  OVERRIDE ERROR FIELD  (YES)
26:  MINIMUM LENGTH  (0)
26:  EXACT LENGTH TABLE  (NO)
26:  RANGE  (NO)
26:  ALLOWABLE ENTRY  (NO)
26:  SUBSTITUTION  (NO)
26:  JUSTIFICATION  (RIGHT)
26:  FILL CHARACTER  ( )
26:  FLOAT CHARACTER  ( )
26:  DECIMAL POSITIONS  (0)
26:  SIGN POSITION  (LEADING)
26:  AUTO CLOSE  (YES)
26:  ARITHMETIC OPERATION  (NO)
26:  AUTO FILL-IN  (NO)
26:  NEXT PAGE NUMBER  (NO)
26:  BRANCHING  (NO)
26:  AUTO-INCREMENT  (NO)
26:  OUTPUT TO MEMORY CELL  (NO)
26:  OUTPUT TO DISKETTE  (YES)
```

10.FREQUENCY

```
27:  TAB STOP  (YES)
27:  INPUT TYPE  (KEYBOARD)
27:  CHARACTER TYPE  (DIGIT)
27:  SECURITY FIELD  (NO)
27:  OVERRIDE ERROR FIELD  (YES)
27:  MINIMUM LENGTH  (0)
27:  EXACT LENGTH TABLE  (NO)
27:  RANGE  (NO)
27:  ALLOWABLE ENTRY  (NO)
27:  SUBSTITUTION  (NO)
27:  JUSTIFICATION  (RIGHT)
27:  FILL CHARACTER  ( )
27:  FLOAT CHARACTER  ( )
27:  DECIMAL POSITIONS  (0)
27:  SIGN POSITION  (LEADING)
27:  AUTO CLOSE  (YES)
27:  ARITHMETIC OPERATION  (NO)
27:  AUTO FILL-IN  (NO)
27:  NEXT PAGE NUMBER  (NO)
27:  BRANCHING  (NO)
27:  AUTO-INCREMENT  (NO)
27:  OUTPUT TO MEMORY CELL  (NO)
27:  OUTPUT TO DISKETTE  (YES)
```

10. LENGTH

```
28:  TAB STOP  (YES)
28:  INPUT TYPE  (KEYBOARD)
28:  CHARACTER TYPE  (DIGIT)
28:  SECURITY FIELD  (NO)
28:  OVERRIDE ERROR FIELD  (YES)
28:  MINIMUM LENGTH  (0)
28:  EXACT LENGTH TABLE  (NO)
28:  RANGE  (NO)
28:  ALLOWABLE ENTRY  (NO)
28:  SUBSTITUTION  (NO)
28:  JUSTIFICATION  (RIGHT)
28:  FILL CHARACTER  ( )
28:  FLOAT CHARACTER  ( )
28:  DECIMAL POSITIONS  (0)
28:  SIGN POSITION  (LEADING)
28:  AUTO CLOSE  (YES)
28:  ARITHMETIC OPERATION  (NO)
28:  AUTO FILL-IN  (NO)
28:  NEXT PAGE NUMBER  (NO)
28:  BRANCHING  (NO)
28:  AUTO-INCREMENT  (NO)
28:  OUTPUT TO MEMORY CELL  (NO)
28:  OUTPUT TO DISKETTE  (YES)
```

11. FREQUENCY

```
29:  TAB STOP  (YES)
29:  INPUT TYPE  (KEYBOARD)
29:  CHARACTER TYPE  (DIGIT)
29:  SECURITY FIELD  (NO)
29:  OVERRIDE ERROR FIELD  (YES)
29:  MINIMUM LENGTH  (0)
29:  EXACT LENGTH TABLE  (NO)
29:  RANGE  (NO)
29:  ALLOWABLE ENTRY  (NO)
29:  SUBSTITUTION  (NO)
29:  JUSTIFICATION  (RIGHT)
29:  FILL CHARACTER  ( )
29:  FLOAT CHARACTER  ( )
29:  DECIMAL POSITIONS  (0)
29:  SIGN POSITION  (LEADING)
29:  AUTO CLOSE  (YES)
29:  ARITHMETIC OPERATION  (NO)
29:  AUTO FILL-IN  (NO)
29:  NEXT PAGE NUMBER  (NO)
29:  BRANCHING  (NO)
29:  AUTO-INCREMENT  (NO)
29:  OUTPUT TO MEMORY CELL  (NO)
29:  OUTPUT TO DISKETTE  (YES)
```

11. LENGTH

```
30:  TAB STOP  (YES)
30:  INPUT TYPE  (KEYBOARD)
30:  CHARACTER TYPE  (DIGIT)
30:  SECURITY FIELD  (NO)
30:  OVERRIDE ERROR FIELD  (YES)
30:  MINIMUM LENGTH  (0)
30:  EXACT LENGTH TABLE  (NO)
30:  RANGE  (NO)
30:  ALLOWABLE ENTRY  (NO)
30:  SUBSTITUTION  (NO)
30:  JUSTIFICATION  (RIGHT)
30:  FILL CHARACTER  ( )
30:  FLOAT CHARACTER  ( )
30:  DECIMAL POSITIONS  (0)
30:  SIGN POSITION  (LEADING)
30:  AUTO CLOSE  (YES)
30:  ARITHMETIC OPERATION  (NO)
30:  AUTO FILL-IN  (NO)
30:  NEXT PAGE NUMBER  (NO)
30:  BRANCHING  (NO)
30:  AUTO-INCREMENT  (NO)
30:  OUTPUT TO MEMORY CELL  (NO)
30:  OUTPUT TO DISKETTE  (YES)
```

12. FREQUENCY

```
31:  TAB STOP  (YES)
31:  INPUT TYPE  (KEYBOARD)
31:  CHARACTER TYPE  (DIGIT)
31:  SECURITY FIELD  (NO)
31:  OVERRIDE ERROR FIELD  (YES)
31:  MINIMUM LENGTH  (0)
31:  EXACT LENGTH TABLE  (NO)
31:  RANGE  (NO)
31:  ALLOWABLE ENTRY  (NO)
31:  SUBSTITUTION  (NO)
31:  JUSTIFICATION  (RIGHT)
31:  FILL CHARACTER  ( )
31:  FLOAT CHARACTER  ( )
31:  DECIMAL POSITIONS  (0)
31:  SIGN POSITION  (LEADING)
31:  AUTO CLOSE  (YES)
31:  ARITHMETIC OPERATION  (NO)
31:  AUTO FILL-IN  (NO)
31:  NEXT PAGE NUMBER  (NO)
31:  BRANCHING  (NO)
31:  AUTO-INCREMENT  (NO)
31:  OUTPUT TO MEMORY CELL  (NO)
31:  OUTPUT TO DISKETTE  (YES)
```

12. LENGTH

```
32:  TAB STOP  (YES)
32:  INPUT TYPE  (KEYBOARD)
32:  CHARACTER TYPE  (DIGIT)
32:  SECURITY FIELD  (NO)
32:  OVERRIDE ERROR FIELD  (YES)
32:  MINIMUM LENGTH  (0)
32:  EXACT LENGTH TABLE  (NO)
32:  RANGE  (NO)
32:  ALLOWABLE ENTRY  (NO)
32:  SUBSTITUTION  (NO)
32:  JUSTIFICATION  (RIGHT)
32:  FILL CHARACTER  ( )
32:  FLOAT CHARACTER  ( )
32:  DECIMAL POSITIONS  (0)
32:  SIGN POSITION  (LEADING)
32:  AUTO CLOSE  (YES)
32:  ARITHMETIC OPERATION  (NO)
32:  AUTO FILL-IN  (NO)
32:  NEXT PAGE NUMBER  (NO)
32:  BRANCHING  (NO)
32:  AUTO-INCREMENT  (NO)
32:  OUTPUT TO MEMORY CELL  (NO)
32:  OUTPUT TO DISKETTE  (YES)
```

13. FREQUENCY

```
33:  TAB STOP  (YES)
33:  INPUT TYPE  (KEYBOARD)
33:  CHARACTER TYPE  (DIGIT)
33:  SECURITY FIELD  (NO)
33:  OVERRIDE ERROR FIELD  (YES)
33:  MINIMUM LENGTH  (0)
33:  EXACT LENGTH TABLE  (NO)
33:  RANGE  (NO)
33:  ALLOWABLE ENTRY  (NO)
33:  SUBSTITUTION  (NO)
33:  JUSTIFICATION  (RIGHT)
33:  FILL CHARACTER  ( )
33:  FLOAT CHARACTER  ( )
33:  DECIMAL POSITIONS  (0)
33:  SIGN POSITION  (LEADING)
33:  AUTO CLOSE  (YES)
33:  ARITHMETIC OPERATION  (NO)
33:  AUTO FILL-IN  (NO)
33:  NEXT PAGE NUMBER  (NO)
33:  BRANCHING  (NO)
33:  AUTO-INCREMENT  (NO)
33:  OUTPUT TO MEMORY CELL  (NO)
33:  OUTPUT TO DISKETTE  (YES)
```

13. LENGTH

```
34:  TAB STOP  (YES)
34:  INPUT TYPE  (KEYBOARD)
34:  CHARACTER TYPE  (DIGIT)
34:  SECURITY FIELD  (NO)
34:  OVERRIDE ERROR FIELD  (YES)
34:  MINIMUM LENGTH  (0)
34:  EXACT LENGTH TABLE  (NO)
34:  RANGE  (NO)
34:  ALLOWABLE ENTRY  (NO)
34:  SUBSTITUTION  (NO)
34:  JUSTIFICATION  (RIGHT)
34:  FILL CHARACTER  ( )
34:  FLOAT CHARACTER  ( )
34:  DECIMAL POSITIONS  (0)
34:  SIGN POSITION  (LEADING)
34:  AUTO CLOSE  (YES)
34:  ARITHMETIC OPERATION  (NO)
34:  AUTO FILL-IN  (NO)
34:  NEXT PAGE NUMBER  (NO)
34:  BRANCHING  (NO)
34:  AUTO-INCREMENT  (NO)
34:  OUTPUT TO MEMORY CELL  (NO)
34:  OUTPUT TO DISKETTE  (YES)
```

14. FREQUENCY

```
35:  TAB STOP  (YES)
35:  INPUT TYPE  (KEYBOARD)
35:  CHARACTER TYPE  (DIGIT)
35:  SECURITY FIELD  (NO)
35:  OVERRIDE ERROR FIELD  (YES)
35:  MINIMUM LENGTH  (0)
35:  EXACT LENGTH TABLE  (NO)
35:  RANGE  (NO)
35:  ALLOWABLE ENTRY  (NO)
35:  SUBSTITUTION  (NO)
35:  JUSTIFICATION  (RIGHT)
35:  FILL CHARACTER  ( )
35:  FLOAT CHARACTER  ( )
35:  DECIMAL POSITIONS  (0)
35:  SIGN POSITION  (LEADING)
35:  AUTO CLOSE  (YES)
35:  ARITHMETIC OPERATION  (NO)
35:  AUTO FILL-IN  (NO)
35:  NEXT PAGE NUMBER  (NO)
35:  BRANCHING  (NO)
35:  AUTO-INCREMENT  (NO)
35:  OUTPUT TO MEMORY CELL  (NO)
35:  OUTPUT TO DISKETTE  (YES)
```

14. LENGTH

```
36:  TAB STOP  (YES)
36:  INPUT TYPE  (KEYBOARD)
36:  CHARACTER TYPE  (DIGIT)
36:  SECURITY FIELD  (NO)
36:  OVERRIDE ERROR FIELD  (YES)
36:  MINIMUM LENGTH  (0)
36:  EXACT LENGTH TABLE  (NO)
36:  RANGE  (NO)
36:  ALLOWABLE ENTRY  (NO)
36:  SUBSTITUTION  (NO)
36:  JUSTIFICATION  (RIGHT)
36:  FILL CHARACTER  ( )
36:  FLOAT CHARACTER  ( )
36:  DECIMAL POSITIONS  (0)
36:  SIGN POSITION  (LEADING)
36:  AUTO CLOSE  (YES)
36:  ARITHMETIC OPERATION  (NO)
36:  AUTO FILL-IN  (NO)
36:  NEXT PAGE NUMBER  (NO)
36:  BRANCHING  (NO)
36:  AUTO-INCREMENT  (NO)
36:  OUTPUT TO MEMORY CELL  (NO)
36:  OUTPUT TO DISKETTE  (YES)
```

FILL

```
37:  TAB STOP  (YES)
37:  INPUT TYPE  (CONSTANT:  )
37:  CHARACTER TYPE  (PRINTABLE)
37:  SECURITY FIELD  (NO)
37:  OVERRIDE ERROR FIELD  (NO)
37:  MINIMUM LENGTH  (0)
37:  EXACT LENGTH TABLE  (NO)
37:  RANGE  (NO)
37:  ALLOWABLE ENTRY  (NO)
37:  SUBSTITUTION  (NO)
37:  JUSTIFICATION  (LEFT)
37:  FILL CHARACTER  ( )
37:  FLOAT CHARACTER  ( )
37:  DECIMAL POSITIONS  (0)
37:  SIGN POSITION  (LEADING)
37:  AUTO CLOSE  (YES)
37:  ARITHMETIC OPERATION  (NO)
37:  AUTO FILL-IN  (NO)
37:  NEXT PAGE NUMBER  (NO)
37:  BRANCHING  (NO)
37:  AUTO-INCREMENT  (NO)
37:  OUTPUT TO MEMORY CELL  (NO)
37:  OUTPUT TO DISKETTE  (YES)
```

LOAD
RECORD TYPE:
ONE

```
38:  TAB STOP  (YES)
38:  INPUT TYPE  (KEYBOARD)
38:  CHARACTER TYPE  (PRINTABLE)
38:  SECURITY FIELD  (NO)
38:  OVERRIDE ERROR FIELD  (NO)
38:  MINIMUM LENGTH  (0)
38:  EXACT LENGTH TABLE  (NO)
38:  RANGE  (NO)
38:  ALLOWABLE ENTRY  (NO)
38:  SUBSTITUTION  (NO)
38:  JUSTIFICATION  (LEFT)
38:  FILL CHARACTER  ( )
38:  FLOAT CHARACTER  ( )
38:  DECIMAL POSITIONS  (0)
38:  SIGN POSITION  (LEADING)
38:  AUTO CLOSE  (YES)
38:  ARITHMETIC OPERATION  (NO)
38:  AUTO FILL-IN  (NO)
38:  NEXT PAGE NUMBER  (YES - PAGE 1)
38:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
38:  AUTO-INCREMENT  (NO)
38:  OUTPUT TO MEMORY CELL  (NO)
38:  OUTPUT TO DISKETTE  (NO)
```

BIOFORM-06

LOAD
RECORD TYPE:
TWO

```
39:  TAB STOP  (YES)
39:  INPUT TYPE  (KEYBOARD)
39:  CHARACTER TYPE  (PRINTABLE)
39:  SECURITY FIELD  (NO)
39:  OVERRIDE ERROR FIELD  (NO)
39:  MINIMUM LENGTH  (0)
39:  EXACT LENGTH TABLE  (NO)
39:  RANGE  (NO)
39:  ALLOWABLE ENTRY  (NO)
39:  SUBSTITUTION  (NO)
39:  JUSTIFICATION  (LEFT)
39:  FILL CHARACTER  ( )
39:  FLOAT CHARACTER  ( )
39:  DECIMAL POSITIONS  (0)
39:  SIGN POSITION  (LEADING)
39:  AUTO CLOSE  (YES)
39:  ARITHMETIC OPERATION  (NO)
39:  AUTO FILL-IN  (NO)
39:  NEXT PAGE NUMBER (YES - PAGE 2)
39:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
39:  AUTO-INCREMENT  (NO)
39:  OUTPUT TO MEMORY CELL  (NO)
39:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
THREE

```
40:  TAB STOP  (YES)
40:  INPUT TYPE  (KEYBOARD)
40:  CHARACTER TYPE  (PRINTABLE)
40:  SECURITY FIELD  (NO)
40:  OVERRIDE ERROR FIELD  (NO)
40:  MINIMUM LENGTH  (0)
40:  EXACT LENGTH TABLE  (NO)
40:  RANGE  (NO)
40:  ALLOWABLE ENTRY  (NO)
40:  SUBSTITUTION  (NO)
40:  JUSTIFICATION  (LEFT)
40:  FILL CHARACTER  ( )
40:  FLOAT CHARACTER  ( )
40:  DECIMAL POSITIONS  (0)
40:  SIGN POSITION  (LEADING)
40:  AUTO CLOSE  (YES)
40:  ARITHMETIC OPERATION  (NO)
40:  AUTO FILL-IN  (NO)
40:  NEXT PAGE NUMBER (YES - PAGE 3)
40:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
40:  AUTO-INCREMENT  (NO)
40:  OUTPUT TO MEMORY CELL  (NO)
40:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
FOUR

```
41:  TAB STOP  (YES)
41:  INPUT TYPE  (KEYBOARD)
41:  CHARACTER TYPE  (PRINTABLE)
41:  SECURITY FIELD  (NO)
41:  OVERRIDE ERROR FIELD  (NO)
41:  MINIMUM LENGTH  (0)
41:  EXACT LENGTH TABLE  (NO)
41:  RANGE  (NO)
41:  ALLOWABLE ENTRY  (NO)
41:  SUBSTITUTION  (NO)
41:  JUSTIFICATION  (LEFT)
41:  FILL CHARACTER  ( )
41:  FLOAT CHARACTER  ( )
41:  DECIMAL POSITIONS  (0)
41:  SIGN POSITION  (LEADING)
41:  AUTO CLOSE  (YES)
41:  ARITHMETIC OPERATION  (NO)
41:  AUTO FILL-IN  (NO)
41:  NEXT PAGE NUMBER  (YES - PAGE 4)
41:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
41:  AUTO-INCREMENT  (NO)
41:  OUTPUT TO MEMORY CELL  (NO)
41:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
FIVE

```
42:  TAB STOP  (YES)
42:  INPUT TYPE  (KEYBOARD)
42:  CHARACTER TYPE  (PRINTABLE)
42:  SECURITY FIELD  (NO)
42:  OVERRIDE ERROR FIELD  (NO)
42:  MINIMUM LENGTH  (0)
42:  EXACT LENGTH TABLE  (NO)
42:  RANGE  (NO)
42:  ALLOWABLE ENTRY  (NO)
42:  SUBSTITUTION  (NO)
42:  JUSTIFICATION  (LEFT)
42:  FILL CHARACTER  ( )
42:  FLOAT CHARACTER  ( )
42:  DECIMAL POSITIONS  (0)
42:  SIGN POSITION  (LEADING)
42:  AUTO CLOSE  (YES)
42:  ARITHMETIC OPERATION  (NO)
42:  AUTO FILL-IN  (NO)
42:  NEXT PAGE NUMBER  (YES - PAGE 5)
42:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
42:  AUTO-INCREMENT  (NO)
42:  OUTPUT TO MEMORY CELL  (NO)
42:  OUTPUT TO DISKETTE  (NO)
```

BIOFORM-06

LOAD
RECORD TYPE:
SIX

```
43:  TAB STOP  (YES)
43:  INPUT TYPE  (KEYBOARD)
43:  CHARACTER TYPE  (PRINTABLE)
43:  SECURITY FIELD  (NO)
43:  OVERRIDE ERROR FIELD  (NO)
43:  MINIMUM LENGTH  (0)
43:  EXACT LENGTH TABLE  (NO)
43:  RANGE  (NO)
43:  ALLOWABLE ENTRY  (NO)
43:  SUBSTITUTION  (NO)
43:  JUSTIFICATION  (LEFT)
43:  FILL CHARACTER  ( )
43:  FLOAT CHARACTER  ( )
43:  DECIMAL POSITIONS  (0)
43:  SIGN POSITION  (LEADING)
43:  AUTO CLOSE  (YES)
43:  ARITHMETIC OPERATION  (NO)
43:  AUTO FILL-IN  (NO)
43:  NEXT PAGE NUMBER (YES - PAGE 6)
43:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
43:  AUTO-INCREMENT  (NO)
43:  OUTPUT TO MEMORY CELL  (NO)
43:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
SEVEN

```
44:  TAB STOP  (YES)
44:  INPUT TYPE  (KEYBOARD)
44:  CHARACTER TYPE  (PRINTABLE)
44:  SECURITY FIELD  (NO)
44:  OVERRIDE ERROR FIELD  (NO)
44:  MINIMUM LENGTH  (0)
44:  EXACT LENGTH TABLE  (NO)
44:  RANGE  (NO)
44:  ALLOWABLE ENTRY  (NO)
44:  SUBSTITUTION  (NO)
44:  JUSTIFICATION  (LEFT)
44:  FILL CHARACTER  ( )
44:  FLOAT CHARACTER  ( )
44:  DECIMAL POSITIONS  (0)
44:  SIGN POSITION  (LEADING)
44:  AUTO CLOSE  (YES)
44:  ARITHMETIC OPERATION  (NO)
44:  AUTO FILL-IN  (NO)
44:  NEXT PAGE NUMBER  (YES - PAGE 7)
44:  BRANCHING  (TEST  LINE: 23  POSITION:  80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
44:  AUTO-INCREMENT  (NO)
44:  OUTPUT TO MEMORY CELL  (NO)
44:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
EIGHT

```
45:  TAB STOP  (YES)
45:  INPUT TYPE (KEYBOARD)
45:  CHARACTER TYPE  (PRINTABLE)
45:  SECURITY FIELD  (NO)
45:  OVERRIDE ERROR FIELD  (NO)
45:  MINIMUM LENGTH  (0)
45:  EXACT LENGTH TABLE  (NO)
45:  RANGE  (NO)
45:  ALLOWABLE ENTRY  (NO)
45:  SUBSTITUTION  (NO)
45:  JUSTIFICATION  (LEFT)
45:  FILL CHARACTER  ( )
45:  FLOAT CHARACTER  ( )
45:  DECIMAL POSITIONS  (0)
45:  SIGN POSITION  (LEADING)
45:  AUTO CLOSE  (YES)
45:  ARITHMETIC OPERATION  (NO)
45:  AUTO FILL-IN  (NO)
45:  NEXT PAGE NUMBER  (NO)
45:  BRANCHING  (NO)
```

```
45:  AUTO-INCREMENT  (NO)
45:  OUTPUT TO MEMORY CELL  (NO)
45:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
NINE

```
46:  TAB STOP  (YES)
46:  INPUT TYPE  (KEYBOARD)
46:  CHARACTER TYPE  (PRINTABLE)
46:  SECURITY FIELD  (NO)
46:  OVERRIDE ERROR FIELD  (NO)
46:  MINIMUM LENGTH  (0)
46:  EXACT LENGTH TABLE  (NO)
46:  RANGE  (NO)
46:  ALLOWABLE ENTRY  (NO)
46:  SUBSTITUTION  (NO)
46:  JUSTIFICATION  (LEFT)
46:  FILL CHARACTER  ( )
46:  FLOAT CHARACTER  ( )
46:  DECIMAL POSITIONS  (0)
46:  SIGN POSITION  (LEADING)
46:  AUTO CLOSE  (YES)
46:  ARITHMETIC OPERATION  (NO)
46:  AUTO FILL-IN  (NO)
46:  NEXT PAGE NUMBER  (YES - PAGE 8 )
46:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X:))
46:  AUTO-INCREMENT  (NO)
46:  OUTPUT TO MEMORY CELL  (NO)
46:  OUTPUT TO DISKETTE  (NO)
```

```
BIOLOGICAL DATA-SHORT FORM                FORM PAGE 07

ACTION FIELD <    RECORD TYPE <    SEQUENCE NO: YEAR <<  COLLECTION NO <<<<<
REPLICATE <<      SPECIES <<<<<<<<<<       STATUS <     FIRST LINE NO <<<

01:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
02:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
03:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
04:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
05:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
06:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
07:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
08:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
09:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
10:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <
11:  FREQUENCY <<<      LENGTH <<<<      SEX <      MATURITY <

FILL <<<<


----------LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'----------
ONE <   TWO <   THREE <   FOUR <   FIVE <   SIX <   SEVEN <   EIGHT <   NINE <
```

# BIOFORM - 07 ATTRIBUTES

ACTION FIELD

```
TAB STOP  (YES)
1:  INPUT TYPE  (KEYBOARD-CONSTANT:  )
1:  CHARACTER TYPE  (ALPHA)
1:  SECURITY FIELD  (NO)
1:  OVERRIDE ERROR FIELD  ( NO )
1:  MINIMUM LENGTH  (0)
1:  EXACT LENGTH TABLE  (NO)
1:  RANGE  (NO)
1:  ALLOWABLE ENTRY  (YES:
    DRIVE: 1  FILE: ACTION)
1:  SUBSTITUTION  (NO)
1:  JUSTIFICATION  (LEFT)
1:  FILL CHARACTER  ( )
1:  FLOAT CHARACTER  ( )
1:  DECIMAL POSITIONS  (0)
1:  SIGN POSITION  (LEADING)
1:  AUTO CLOSE  (YES)
1:  ARITHMETIC OPERATION  (NO)
1:  AUTO FILL-IN  (NO)
1:  NEXT PAGE NUMBER  (NO)
1:  BRANCHING  (NO)
1:  AUTO-INCREMENT  (NO)
1:  OUTPUT TO MEMORY CELL  (NO)
1:  OUTPUT TO DISKETTE  (YES)
```

RECORD TYPE

```
2:  TAB STOP  (YES)
2:  INPUT TYPE  (CONSTANT: 7)
2:  CHARACTER TYPE  (PRINTABLE)
2:  SECURITY FIELD  (NO)
2:  OVERRIDE ERROR FIELD  (NO)
2:  MINIMUM LENGTH  (0)
2:  EXACT LENGTH TABLE  (NO)
2:  RANGE  (NO)
2:  ALLOWABLE ENTRY  (NO)
2:  SUBSTITUTION  (NO)
2:  JUSTIFICATION  (LEFT)
2:  FILL CHARACTER  ( )
2:  FLOAT CHARACTER  ( )
2:  DECIMAL POSITIONS  (0)
2:  SIGN POSITION  (LEADING)
2:  AUTO CLOSE  (YES)
2:  ARITHMETIC OPERATION  (NO)
2:  AUTO FILL-IN  (NO)
2:  NEXT PAGE NUMBER  (NO)
2:  BRANCHING  (NO)
2:  AUTO-INCREMENT  (NO)
2:  OUTPUT TO MEMORY CELL  (NO)
2:  OUTPUT TO DISKETTE  (YES)
```

BIOFORM-07

SEQUENCE NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (MEMORY CELL # 1)
3: CHARACTER TYPE (PRINTABLE)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (NO)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ( )
3: FLOAT CHARACTER ( )
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (NO)
3: OUTPUT TO DISKETTE (YES)

COLLECTION NO

4: TAB STOP (YES)
4: INPUT TYPE (MEMORY CELL # 2)
4: CHARACTER TYPE (PRINTABLE)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (0)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (LEFT)
4: FILL CHARACTER ( )
4: FLOAT CHARACTER ( )
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (NO)
4: OUTPUT TO DISKETTE (YES)

REPLICATE

5: TAB STOP (YES)
5: INPUT TYPE (MEMORY CELL # 3)
5: CHARACTER TYPE (PRINTABLE)
5: SECURITY FIELD (NO)
5: OVERRIDE ERROR FIELD (NO)
5: MINIMUM LENGTH (0)
5: EXACT LENGTH TABLE (NO)
5: RANGE (NO)
5: ALLOWABLE ENTRY (NO)
5: SUBSTITUTION (NO)
5: JUSTIFICATION (LEFT)
5: FILL CHARACTER ( )
5: FLOAT CHARACTER ( )
5: DECIMAL POSITIONS (0)
5: SIGN POSITION (LEADING)
5: AUTO CLOSE (YES)
5: ARITHMETIC OPERATION (NO)
5: AUTO FILL-IN (NO)
5: NEXT PAGE NUMBER (NO)
5: BRANCHING (NO)
5: AUTO-INCREMENT (NO)
5: OUTPUT TO MEMORY CELL (NO)
5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
6: INPUT TYPE (MEMORY CELL # 4)
6: CHARACTER TYPE (PRINTABLE)
6: SECURITY FIELD (NO)
6: OVERRIDE ERROR FIELD (NO)
6: MINIMUM LENGTH (0)
6: EXACT LENGTH TABLE (NO)
6: RANGE (NO)
6: ALLOWABLE ENTRY (NO)
6: SUBSTITUTION (NO)
6: JUSTIFICATION (LEFT)
6: FILL CHARACTER ( )
6: FLOAT CHARACTER ( )
6: DECIMAL POSITIONS (0)
6: SIGN POSITION (LEADING)
6: AUTO CLOSE (YES)
6: ARITHMETIC OPERATION (NO)
6: AUTO FILL-IN (NO)
6: NEXT PAGE NUMBER (NO)
6: BRANCHING (NO)
6: AUTO-INCREMENT (NO)
6: OUTPUT TO MEMORY CELL (NO)
6: OUTPUT TO DISKETTE (YES)

```
STATUS          7:  TAB STOP  (YES)
                7:  INPUT TYPE  (MEMORY CELL #  5)
                7:  CHARACTER TYPE  (PRINTABLE)
                7:  SECURITY FIELD  (NO)
                7:  OVERRIDE ERROR FIELD  (NO)
                7:  MINIMUM LENGTH (1)
                7:  EXACT LENGTH TABLE  (NO)
                7:  RANGE  (NO)
                7:  ALLOWABLE ENTRY  (NO)
                7:  SUBSTITUTION  (NO)
                7:  JUSTIFICATION  (LEFT)
                7:  FILL CHARACTER  ( )
                7:  FLOAT CHARACTER  ( )
                7:  DECIMAL POSITIONS  (0)
                7:  SIGN POSITION  (LEADING)
                7:  AUTO CLOSE  (YES)
                7:  ARITHMETIC OPERATION  (NO)
                7:  AUTO FILL-IN  (NO)
                7:  NEXT PAGE NUMBER  (NO)
                7:  BRANCHING  (NO)
                7:  AUTO-INCREMENT  (NO)
                7:  OUTPUT TO MEMORY CELL  (NO)
                7:  OUTPUT TO DISKETTE  (YES)

FIRST           8:  TAB STOP  (YES)
LINE NO         8:  INPUT TYPE  (KEYBOARD-CONSTANT: 001)
                8:  CHARACTER TYPE  (DIGIT)
                8:  SECURITY FIELD  (NO)
                8:  OVERRIDE ERROR FIELD  (NO)
                8:  MINIMUM LENGTH  (0)
                8:  EXACT LENGTH TABLE  (NO)
                8:  RANGE  (NO)
                8:  ALLOWABLE ENTRY  (NO)
                8:  SUBSTITUTION  (NO)
                8:  JUSTIFICATION  (RIGHT)
                8:  FILL CHARACTER  (0)
                8:  FLOAT CHARACTER  (0)
                8:  DECIMAL POSITIONS  (0)
                8:  SIGN POSITION  (LEADING)
                8:  AUTO CLOSE  (YES)
                8:  ARITHMETIC OPERATION  (NO)
                8:  AUTO FILL-IN  (NO)
                8:  NEXT PAGE NUMBER  (NO)
                8:  BRANCHING  (NO)
                8:  AUTO-INCREMENT  (NO)
                8:  OUTPUT TO MEMORY CELL  (NO)
                8:  OUTPUT TO DISKETTE  (YES)
```

01. FREQUENCY

```
9:  TAB STOP  (YES)
9:  INPUT TYPE  (KEYBOARD)
9:  CHARACTER TYPE  (DIGIT)
9:  SECURITY FIELD  (NO)
9:  OVERRIDE ERROR FIELD  (YES)
9:  MINIMUM LENGTH  (0)
9:  EXACT LENGTH TABLE  (NO)
9:  RANGE  (NO)
9:  ALLOWABLE ENTRY  (NO)
9:  SUBSTITUTION  (NO)
9:  JUSTIFICATION  (RIGHT)
9:  FILL CHARACTER  ( )
9:  FLOAT CHARACTER  ( )
9:  DECIMAL POSITIONS  (0)
9:  SIGN POSITION  (LEADING)
9:  AUTO CLOSE  (YES)
9:  ARITHMETIC OPERATION  (NO)
9:  AUTO FILL-IN  (NO)
9:  NEXT PAGE NUMBER  (NO)
9:  BRANCHING  (NO)
9:  AUTO-INCREMENT  (NO)
9:  OUTPUT TO MEMORY CELL  (NO)
9:  OUTPUT TO DISKETTE  (YES)
```

01. LENGTH

```
10:  TAB STOP  (YES)
10:  INPUT TYPE  (KEYBOARD)
10:  CHARACTER TYPE  (DIGIT)
10:  SECURITY FIELD  (NO)
10:  OVERRIDE ERROR FIELD  (NO)
10:  MINIMUM LENGTH  (0)
10:  EXACT LENGTH TABLE  (NO)
10:  RANGE  (NO)
10:  ALLOWABLE ENTRY  (NO)
10:  SUBSTITUTION  (NO)
10:  JUSTIFICATION  (RIGHT)
10:  FILL CHARACTER  ( )
10:  FLOAT CHARACTER  ( )
10:  DECIMAL POSITIONS  (0)
10:  SIGN POSITION  (LEADING)
10:  AUTO CLOSE  (YES)
10:  ARITHMETIC OPERATION  (NO)
10:  AUTO FILL-IN  (NO)
10:  NEXT PAGE NUMBER  (NO)
10:  BRANCHING  (NO)
10:  AUTO-INCREMENT  (NO)
10:  OUTPUT TO MEMORY CELL  (NO)
10:  OUTPUT TO DISKETTE  (YES)
```

01. SEX

11: TAB STOP (YES)
11: INPUT TYPE (KEYBOARD)
11: CHARACTER TYPE )DIGIT)
11: SECURITY FIELD (NO)
11: OVERRIDE ERROR FIELD (YES)
11: MINIMUM LENGTH (0)
11: EXACT LENGTH TABLE (NO)
11: RANGE (NO)
11: ALLOWABLE ENTRY (NO)
11: SUBSTITUTION (NO)
11: JUSTIFICATION (LEFT)
11: FILL CHARACTER ( )
11: FLOAT CHARACTER ( )
11: DECIMAL POSITIONS (0)
11: SIGN POSITION (LEADING)
11: AUTO CLOSE (YES)
11: ARITHMETIC OPERATION (NO)
11: AUTO FILL-IN (NO)
11: NEXT PAGE NUMBER (NO)
11: BRANCHING (NO)
11: AUTO-INCREMENT (NO)
11: OUTPUT TO MEMORY CELL (NO)
11: OUTPUT TO DISKETTE (YES)

01. MATURITY

12: TAB STOP (YES)
12: INPUT TYPE (KEYBOARD)
12: CHARACTER TYPE (DIGIT)
12: SECURITY FIELD (NO)
12: OVERRIDE ERROR FIELD (YES)
12: MINIMUM LENGTH (0)
12: EXACT LENGTH TABLE (NO)
12: RANGE (NO)
12: ALLOWABLE ENTRY (NO)
12: SUBSTITUTION (NO)
12: JUSTIFICATION (LEFT)
12: FILL CHARACTER ( )
12: FLOAT CHARACTER ( )
12: DECIMAL POSITIONS (0)
12: SIGN POSITION (LEADING)
12: AUTO CLOSE (YES)
12: ARITHMETIC OPERATION (NO)
12: AUTO FILL-IN (NO)
12: NEXT PAGE NUMBER (NO)
12: BRANCHING (NO)
12: AUTO-INCREMENT (NO)
12: OUTPUT TO MEMORY CELL (NO)
12: OUTPUT TO DISKETTE (YES)

02. FREQUENCY

13: TAB STOP (YES)
13: INPUT TYPE (KEYBOARD)
13: CHARACTER TYPE (DIGIT)
13: SECURITY FIELD (NO)
13: OVERRIDE ERROR FIELD (YES)
13: MINIMUM LENGTH (0)
13: EXACT LENGTH TABLE (NO)
13: RANGE (NO)
13: ALLOWABLE ENTRY (NO)
13: SUBSTITUTION (NO)
13: JUSTIFICATION (RIGHT)
13: FILL CHARACTER ( )
13: FLOAT CHARACTER ( )
13: DECIMAL POSITIONS (0)
13: SIGN POSITION (LEADING)
13: AUTO CLOSE (YES)
13: ARITHMETIC OPERATION (NO)
13: AUTO FILL-IN (NO)
13: NEXT PAGE NUMBER (NO)
13: BRANCHING (NO)
13: AUTO-INCREMENT (NO)
13: OUTPUT TO MEMORY CELL (NO)
13: OUTPUT TO DISKETTE (YES)

02. LENGTH

14: TAB STOP (YES)
14: INPUT TYPE (KEYBOARD)
14: CHARACTER TYPE (DIGIT)
14: SECURITY FIELD (NO)
14: OVERRIDE ERROR FIELD (NO)
14: MINIMUM LENGTH (0)
14: EXACT LENGTH TABLE (NO)
14: RANGE (NO)
14: ALLOWABLE ENTRY (NO)
14: SUBSTITUTION (NO)
14: JUSTIFICATION (RIGHT)
14: FILL CHARACTER ( )
14: FLOAT CHARACTER ( )
14: DECIMAL POSITIONS (0)
14: SIGN POSITION (LEADING)
14: AUTO CLOSE (YES)
14: ARITHMETIC OPERATION (NO)
14: AUTO FILL-IN (NO)
14: NEXT PAGE NUMBER (NO)
14: BRANCHING (NO)
14: AUTO-INCREMENT (NO)
14: OUTPUT TO MEMORY CELL (NO)
14: OUTPUT TO DISKETTE (YES)

02. SEX

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (DIGIT)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (YES)
15: MINIMUM LENGTH (0)
15: EXACT LENGTH TABLE (NO)
15: RANGE (NO)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (LEFT)
15: FILL CHARACTER ( )
15: FLOAT CHARACTER ( )
15: DECIMAL POSITIONS (0)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (NO)
15: BRANCHING (NO)
15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (YES)

02. MATURITY

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (DIGIT)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (YES)
16: MINIMUM LENGTH (0)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (LEFT)
16: FILL CHARACTER ( )
16: FLOAT CHARACTER ( )
16: DECIMAL POSITIONS (0)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (NO)
16: BRANCHING (NO)
16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (YES)

03.FREQUENCY

```
17:  TAB STOP  (YES)
17:  INPUT TYPE  (KEYBOARD)
17:  CHARACTER TYPE  (DIGIT)
17:  SECURITY FIELD  (NO)
17:  OVERRIDE ERROR FIELD  (YES)
17:  MINIMUM LENGTH  (0)
17:  EXACT LENGTH TABLE  (NO)
17:  RANGE  (NO)
17:  ALLOWABLE ENTRY  (NO)
17:  SUBSTITUTION  (NO)
17:  JUSTIFICATION  (RIGHT)
17:  FILL CHARACTER  ( )
17:  FLOAT CHARACTER  ( )
17:  DECIMAL POSITIONS  (0)
17:  SIGN POSITION  (LEADING)
17:  AUTO CLOSE  (YES)
17:  ARITHMETIC OPERATION  (NO)
17:  AUTO FILL-IN  (NO)
17:  NEXT PAGE NUMBER  (NO)
17:  BRANCHING  (NO)
17:  AUTO-INCREMENT  (NO)
17:  OUTPUT TO MEMORY CELL  (NO)
17:  OUTPUT TO DISKETTE  (YES)
```

03. LENGTH

```
18:  TAB STOP  (YES)
18:  INPUT TYPE  (KEYBOARD)
18:  CHARACTER TYPE  (DIGIT)
18:  SECURITY FIELD  (NO)
18:  OVERRIDE ERROR FIELD  (NO)
18:  MINIMUM LENGTH  (0)
18:  EXACT LENGTH TABLE  (NO)
18:  RANGE  (NO)
18:  ALLOWABLE ENTRY  (NO)
18:  SUBSTITUTION  (NO)
18:  JUSTIFICATION  (RIGHT)
18:  FILL CHARACTER  ( )
18:  FLOAT CHARACTER  ( )
18:  DECIMAL POSITIONS  (0)
18:  SIGN POSITION  (LEADING)
18:  AUTO CLOSE  (YES)
18:  ARITHMETIC OPERATION  (NO)
18:  AUTO FILL-IN  (NO)
18:  NEXT PAGE NUMBER  (NO)
18:  BRANCHING  (NO)
18:  AUTO-INCREMENT  (NO)
18:  OUTPUT TO MEMORY CELL  (NO)
18:  OUTPUT TO DISKETTE  (YES)
```

**03. SEX**

```
19:  TAB STOP  (YES)
19:  INPUT TYPE  (KEYBOARD)
19:  CHARACTER TYPE  (DIGIT)
19:  SECURITY FIELD  (NO)
19:  OVERRIDE ERROR FIELD  (YES)
19:  MINIMUM LENGTH  (0)
19:  EXACT LENGTH TABLE  (NO)
19:  RANGE  (NO)
19:  ALLOWABLE ENTRY  (NO)
19:  SUBSTITUTION  (NO)
19:  JUSTIFICATION  (LEFT)
19:  FILL CHARACTER  ( )
19:  FLOAT CHARACTER  ( )
19:  DECIMAL POSITIONS  (0)
19:  SIGN POSITION  (LEADING)
19:  AUTO CLOSE  (YES)
19:  ARITHMETIC OPERATION  (NO)
19:  AUTO FILL-IN  (NO)
19:  NEXT PAGE NUMBER  (NO)
19:  BRANCHING  (NO)
19:  AUTO-INCREMENT  (NO)
19:  OUTPUT TO MEMORY CELL  (NO)
19:  OUTPUT TO DISKETTE  (YES)
```

**03. MATURITY**

```
20:  TAB STOP  (YES)
20:  INPUT TYPE  (KEYBOARD)
20:  CHARACTER TYPE  (DIGIT)
20:  SECURITY FIELD  (NO)
20:  OVERRIDE ERROR FIELD  (YES)
20:  MINIMUM LENGTH  (0)
20:  EXACT LENGTH TABLE  (NO)
20:  RANGE  (NO)
20:  ALLOWABLE ENTRY  (NO)
20:  SUBSTITUTION  (NO)
20:  JUSTIFICATION  (LEFT)
20:  FILL CHARACTER  ( )
20:  FLOAT CHARACTER  ( )
20:  DECIMAL POSITIONS  (0)
20:  SIGN POSITION  (LEADING)
20:  AUTO CLOSE  (YES)
20:  ARITHMETIC OPERATION  (NO)
20:  AUTO FILL-IN  (NO)
20:  NEXT PAGE NUMBER  (NO)
20:  BRANCHING  (NO)
20:  AUTO-INCREMENT  (NO)
20:  OUTPUT TO MEMORY CELL  (NO)
20:  OUTPUT TO DISKETTE  (YES)
```

04. FREQUENCY

```
21:  TAB STOP  (YES)
21:  INPUT TYPE  (KEYBOARD)
21:  CHARACTER TYPE  (DIGIT)
21:  SECURITY FIELD  (NO)
21:  OVERRIDE ERROR FIELD  (YES)
21:  MINIMUM LENGTH  (0)
21:  EXACT LENGTH TABLE  (NO)
21:  RANGE  (NO)
21:  ALLOWABLE ENTRY  (NO)
21:  SUBSTITUTION  (NO)
21:  JUSTIFICATION  (RIGHT)
21:  FILL CHARACTER  ( )
21:  FLOAT CHARACTER  ( )
21:  DECIMAL POSITIONS  (0)
21:  SIGN POSITION  (LEADING)
21:  AUTO CLOSE  (YES)
21:  ARITHMETIC OPERATION  (NO)
21:  AUTO FILL-IN  (NO)
21:  NEXT PAGE NUMBER  (NO)
21:  BRANCHING  (NO)
21:  AUTO-INCREMENT  (NO)
21:  OUTPUT TO MEMORY CELL  (NO)
21:  OUTPUT TO DISKETTE  (YES)
```

04. LENGTH

```
22:  TAB STOP  (YES)
22:  INPUT TYPE  (KEYBOARD)
22:  CHARACTER TYPE  (DIGIT)
22:  SECURITY FIELD  (NO)
22:  OVERRIDE ERROR FIELD  (NO)
22:  MINIMUM LENGTH  (0)
22:  EXACT LENGTH TABLE  (NO)
22:  RANGE  (NO)
22:  ALLOWABLE ENTRY  (NO)
22:  SUBSTITUTION  (NO)
22:  JUSTIFICATION  (RIGHT)
22:  FILL CHARACTER  ( )
22:  FLOAT CHARACTER  ( )
22:  DECIMAL POSITIONS  (0)
22:  SIGN POSITION  (LEADING)
22:  AUTO CLOSE  (YES)
22:  ARITHMETIC OPERATION  (NO)
22:  AUTO FILL-IN  (NO)
22:  NEXT PAGE NUMBER  (NO)
22:  BRANCHING  (NO)
22:  AUTO-INCREMENT  (NO)
22:  OUTPUT TO MEMORY CELL  (NO)
22:  OUTPUT TO DISKETTE  (YES)
```

| | | |
|---|---|---|
| 04. SEX | 23: | TAB STOP (YES) |
| | 23: | INPUT TYPE (KEYBOARD) |
| | 23: | CHARACTER TYPE (DIGIT) |
| | 23: | SECURITY FIELD (NO) |
| | 23: | OVERRIDE ERROR FIELD (YES) |
| | 23: | MINIMUM LENGTH (0) |
| | 23: | EXACT LENGTH TABLE (NO) |
| | 23: | RANGE (NO) |
| | 23: | ALLOWABLE ENTRY (NO) |
| | 23: | SUBSTITUTION (NO) |
| | 23: | JUSTIFICATION (LEFT) |
| | 23: | FILL CHARACTER ( ) |
| | 23: | FLOAT CHARACTER ( ) |
| | 23: | DECIMAL POSITIONS (0) |
| | 23: | SIGN POSITION (LEADING) |
| | 23: | AUTO CLOSE (YES) |
| | 23: | ARITHMETIC OPERATION (NO) |
| | 23: | AUTO FILL-IN (NO) |
| | 23: | NEXT PAGE NUMBER (NO) |
| | 23: | BRANCHING (NO) |
| | 23: | AUTO-INCREMENT (NO) |
| | 23: | OUTPUT TO MEMORY CELL (NO) |
| | 23: | OUTPUT TO DISKETTE (YES) |
| 04: MATURITY | 24: | TAB STOP (YES) |
| | 24: | INPUT TYPE (KEYBOARD) |
| | 24: | CHARACTER TYPE (DIGIT) |
| | 24: | SECURITY FIELD (NO) |
| | 24: | OVERRIDE ERROR FIELD (YES) |
| | 24: | MINIMUM LENGTH (0) |
| | 24: | EXACT LENGTH TABLE (NO) |
| | 24: | RANGE (NO) |
| | 24: | ALLOWABLE ENTRY (NO) |
| | 24: | SUBSTITUTION (NO) |
| | 24: | JUSTIFICATION (LEFT) |
| | 24: | FILL CHARACTER ( ) |
| | 24: | FLOAT CHARACTER ( ) |
| | 24: | DECIMAL POSITIONS (0) |
| | 24: | SIGN POSITION (LEADING) |
| | 24: | AUTO CLOSE (YES) |
| | 24: | ARITHMETIC OPERATION (NO) |
| | 24: | AUTO FILL-IN (NO) |
| | 24: | NEXT PAGE NUMBER (NO) |
| | 24: | BRANCHING (NO) |
| | 24: | AUTO-INCREMENT (NO) |
| | 24: | OUTPUT TO MEMORY CELL (NO) |
| | 24: | OUTPUT TO DISKETTE (YES) |

05. FREQUENCY

```
25:  TAB STOP  (YES)
25:  INPUT TYPE  (KEYBOARD)
25:  CHARACTER TYPE  (DIGIT)
25:  SECURITY FIELD  (NO)
25:  OVERRIDE ERROR FIELD  (YES)
25:  MINIMUM LENGTH  (0)
25:  EXACT LENGTH TABLE  (NO)
25:  RANGE.  (NO)
25:  ALLOWABLE ENTRY  (NO)
25:  SUBSTITUTION  (NO)
25:  JUSTIFICATION  (RIGHT)
25:  FILL CHARACTER  ( )
25:  FLOAT CHARACTER  ( )
25:  DECIMAL POSITIONS  (0)
25:  SIGN POSITION  (LEADING)
25:  AUTO CLOSE  (YES)
25:  ARITHMETIC OPERATION  (NO)
25:  AUTO FILL-IN  (NO)
25:  NEXT PAGE NUMBER  (NO)
25:  BRANCHING  (NO)
25:  AUTO-INCREMENT  (NO)
25:  OUTPUT TO MEMORY CELL  (NO)
25:  OUTPUT TO DISKETTE  (YES)
```

05. LENGTH

```
26:  TAB STOP  (YES)
26:  INPUT TYPE  (KEYBOARD)
26:  CHARACTER TYPE  (DIGIT)
26:  SECURITY FIELD  (NO)
26:  OVERRIDE ERROR FIELD  (NO)
26:  MINIMUM LENGTH  (0)
26:  EXACT LENGTH TABLE  (NO)
26:  RANGE  (NO)
26:  ALLOWABLE ENTRY  (NO)
26:  SUBSTITUTION  (NO)
26:  JUSTIFICATION.  (RIGHT)
26:  FILL CHARACTER  ( )
26:  FLOAT CHARACTER  ( )
26:  DECIMAL POSITIONS  (0)
26:  SIGN POSITION  (LEADING)
26:  AUTO CLOSE  (YES)
26:  ARITHMETIC OPERATION  (NO)
26:  AUTO FILL-IN  (NO)
26:  NEXT PAGE NUMBER  (NO)
26:  BRANCHING  (NO)
26:  AUTO-INCREMENT  (NO)
26:  OUTPUT TO MEMORY CELL  (NO)
26:  OUTPUT TO DISKETTE  (YES)
```

05. SEX

```
27:  TAB STOP  (YES)
27:  INPUT TYPE  (KEYBOARD)
27:  CHARACTER TYPE  (DIGIT)
27:  SECURITY FIELD  (NO)
27:  OVERRIDE ERROR FIELD  (YES)
27:  MINIMUM LENGTH  (0)
27:  EXACT LENGTH TABLE  (NO)
27:  RANGE  (NO)
27:  ALLOWABLE ENTRY  (NO)
27:  SUBSTITUTION  (NO)
27:  JUSTIFICATION  (LEFT)
27:  FILL CHARACTER  ( )
27:  FLOAT CHARACTER  ( )
27:  DECIMAL POSITIONS  (0)
27:  SIGN POSITION  (LEADING)
27:  AUTO CLOSE  (YES)
27:  ARITHMETIC OPERATION  (NO)
27:  AUTO FILL-IN  (NO)
27:  NEXT PAGE NUMBER  (NO)
27:  BRANCHING  (NO)
27:  AUTO-INCREMENT  (NO)
27:  OUTPUT TO MEMORY CELL  (NO)
27:  OUTPUT TO DISKETTE  (YES)
```

05. MATURITY

```
28:  TAB STOP  (YES)
28:  INPUT TYPE  (KEYBOARD)
28:  CHARACTER TYPE  (DIGIT)
28:  SECURITY FIELD  (NO)
28:  OVERRIDE ERROR FIELD  (YES)
28:  MINIMUM LENGTH  (0)
28:  EXACT LENGTH TABLE  (NO)
28:  RANGE  (NO)
28:  ALLOWABLE ENTRY  (NO)
28:  SUBSTITUTION  (NO)
28:  JUSTIFICATION  (LEFT)
28:  FILL CHARACTER  ( )
28:  FLOAT CHARACTER  ( )
28:  DECIMAL POSITIONS  (0)
28:  SIGN POSITION  (LEADING)
28:  AUTO CLOSE  (YES)
28:  ARITHMETIC OPERATION  (NO)
28:  AUTO FILL-IN  (NO)
28:  NEXT PAGE NUMBER  (NO)
28:  BRANCHING  (NO)
28:  AUTO-INCREMENT  (NO)
28:  OUTPUT TO MEMORY CELL  (NO)
28:  OUTPUT TO DISKETTE  (YES)
```

06. FREQUENCY

```
29:  TAB STOP  (YES)
29:  INPUT TYPE  (KEYBOARD)
29:  CHARACTER TYPE  (DIGIT)
29:  SECURITY FIELD  (NO)
29:  OVERRIDE ERROR FIELD  (YES)
29:  MINIMUM LENGTH  (0)
29:  EXACT LENGTH TABLE  (NO)
29:  RANGE  (NO)
29:  ALLOWABLE ENTRY  (NO)
29:  SUBSTITUTION  (NO)
29:  JUSTIFICATION  (RIGHT)
29:  FILL CHARACTER  ( )
29:  FLOAT CHARACTER  ( )
29:  DECIMAL POSITIONS  (0)
29:  SIGN POSITION  (LEADING)
29:  AUTO CLOSE  (YES)
29:  ARITHMETIC OPERATION  (NO)
29:  AUTO FILL-IN  (NO)
29:  NEXT PAGE NUMBER  (NO)
29:  BRANCHING  (NO)
29:  AUTO-INCREMENT  (NO)
29:  OUTPUT TO MEMORY CELL  (NO)
29:  OUTPUT TO DISKETTE  (YES)
```

06. LENGTH

```
30:  TAB STOP  (YES)
30:  INPUT TYPE  (KEYBOARD)
30:  CHARACTER TYPE  (DIGIT)
30:  SECURITY FIELD  (NO)
30:  OVERRIDE ERROR FIELD  (NO)
30:  MINIMUM LENGTH  (0)
30:  EXACT LENGTH TABLE  (NO)
30:  RANGE  (NO)
30:  ALLOWABLE ENTRY  (NO)
30:  SUBSTITUTION  (NO)
30:  JUSTIFICATION  (RIGHT)
30:  FILL CHARACTER  ( )
30:  FLOAT CHARACTER  ( )
30:  DECIMAL POSITIONS  (0)
30:  SIGN POSITION  (LEADING)
30:  AUTO CLOSE  (YES)
30:  ARITHMETIC OPERATION  (NO)
30:  AUTO FILL-IN  (NO)
30:  NEXT PAGE NUMBER  (NO)
30:  BRANCHING  (NO)
30:  AUTO-INCREMENT  (NO)
30:  OUTPUT TO MEMORY CELL  (NO)
30:  OUTPUT TO DISKETTE  (YES)
```

06. SEX

```
31:  TAB STOP  (YES)
31:  INPUT TYPE  (KEYBOARD)
31:  CHARACTER TYPE (DIGIT)
31:  SECURITY FIELD  (NO)
31:  OVERRIDE ERROR FIELD  (YES)
31:  MINIMUM LENGTH  (0)
31:  EXACT LENGTH TABLE  (NO)
31:  RANGE  (NO)
31:  ALLOWABLE ENTRY  (NO)
31:  SUBSTITUTION  (NO)
31:  JUSTIFICATION  (LEFT)
31:  FILL CHARACTER  ( )
31:  FLOAT CHARACTER  ( )
31:  DECIMAL POSITIONS  (0)
31:  SIGN POSITION  (LEADING)
31:  AUTO CLOSE  (YES)
31:  ARITHMETIC OPERATION  (NO)
31:  AUTO FILL-IN  (NO)
31:  NEXT PAGE NUMBER  (NO)
31:  BRANCHING  (NO)
31:  AUTO-INCREMENT  (NO)
31:  OUTPUT TO MEMORY CELL  (NO)
31:  OUTPUT TO DISKETTE  (YES)
```

06. MATURITY

```
32:  TAB STOP  (YES)
32:  INPUT TYPE  (KEYBOARD)
32:  CHARACTER TYPE  (DIGIT)
32:  SECURITY FIELD  (NO)
32:  OVERRIDE ERROR FIELD  (YES)
32:  MINIMUM LENGTH  (0)
32:  EXACT LENGTH TABLE  (NO)
32:  RANGE  (NO)
32:  ALLOWABLE ENTRY  (NO)
32:  SUBSTITUTION  (NO)
32:  JUSTIFICATION  (LEFT)
32:  FILL CHARACTER  ( )
32:  FLOAT CHARACTER  ( )
32:  DECIMAL POSITIONS  (0)
32:  SIGN POSITION  (LEADING)
32:  AUTO CLOSE  (YES)
32:  ARITHMETIC OPERATION  (NO)
32:  AUTO FILL-IN  (NO)
32:  NEXT PAGE NUMBER  (NO)
32:  BRANCHING  (NO)
32:  AUTO-INCREMENT  (NO)
32:  OUTPUT TO MEMORY CELL  (NO)
32:  OUTPUT TO DISKETTE  (YES)
```

07. FREQUENCY

```
33:  TAB STOP  (YES)
33:  INPUT TYPE  (KEYBOARD)
33:  CHARACTER TYPE  (DIGIT)
33:  SECURITY FIELD  (NO)
33:  OVERRIDE ERROR FIELD  (YES)
33:  MINIMUM LENGTH  (0)
33:  EXACT LENGTH TABLE  (NO)
33:  RANGE  (NO)
33:  ALLOWABLE ENTRY  (NO)
33:  SUBSTITUTION  (NO)
33:  JUSTIFICATION  (RIGHT)
33:  FILL CHARACTER  ( )
33:  FLOAT CHARACTER  ( )
33:  DECIMAL POSITIONS  (0)
33:  SIGN POSITION  (LEADING)
33:  AUTO CLOSE  (YES)
33:  ARITHMETIC OPERATION  (NO)
33:  AUTO FILL-IN  (NO)
33:  NEXT PAGE NUMBER  (NO)
33:  BRANCHING  (NO)
33:  AUTO-INCREMENT  (NO)
33:  OUTPUT TO MEMORY CELL  (NO)
33:  OUTPUT TO DISKETTE  (YES)
```

07. LENGTH

```
34:  TAB STOP  (YES)
34:  INPUT TYPE  (KEYBOARD)
34:  CHARACTER TYPE  (DIGIT)
34:  SECURITY FIELD  (NO)
34:  OVERRIDE ERROR FIELD  (NO)
34:  MINIMUM LENGTH  (0)
34:  EXACT LENGTH TABLE  (NO)
34:  RANGE  (NO)
34:  ALLOWABLE ENTRY  (NO)
34:  SUBSTITUTION  (NO)
34:  JUSTIFICATION  (RIGHT)
34:  FILL CHARACTER  ( )
34:  FLOAT CHARACTER  ( )
34:  DECIMAL POSITIONS  (0)
34:  SIGN POSITION  (LEADING)
34:  AUTO CLOSE  (YES)
34:  ARITHMETIC OPERATION  (NO)
34:  AUTO FILL-IN  (NO)
34:  NEXT PAGE NUMBER  (NO)
34:  BRANCHING  (NO)
34:  AUTO-INCREMENT  (NO)
34:  OUTPUT TO MEMORY CELL  (NO)
34:  OUTPUT TO DISKETTE  (YES)
```

07. SEX

35: TAB STOP (YES)
35: INPUT TYPE (KEYBOARD)
35: CHARACTER TYPE (DIGIT)
35: SECURITY FIELD (NO)
35: OVERRIDE ERROR FIELD (YES)
35: MINIMUM LENGTH (0)
35: EXACT LENGTH TABLE (NO)
35: RANGE (NO)
35: ALLOWABLE ENTRY (NO)
35: SUBSTITUTION (NO)
35: JUSTIFICATION (LEFT)
35: FILL CHARACTER ( )
35: FLOAT CHARACTER ( )
35: DECIMAL POSITIONS (0)
35: SIGN POSITION (LEADING)
35: AUTO CLOSE (YES)
35: ARITHMETIC OPERATION (NO)
35: AUTO FILL-IN (NO)
35: NEXT PAGE NUMBER (NO)
35: BRANCHING (NO)
35: AUTO-INCREMENT (NO)
35: OUTPUT TO MEMORY CELL (NO)
35: OUTPUT TO DISKETTE (YES)

07. MATURITY

36: TAB STOP (YES)
36: INPUT TYPE (KEYBOARD)
36: CHARACTER TYPE (DIGIT)
36: SECURITY FIELD (NO)
36: OVERRIDE ERROR FIELD (YES)
36: MINIMUM LENGTH (0)
36: EXACT LENGTH TABLE (NO)
36: RANGE (NO)
36: ALLOWABLE ENTRY (NO)
36: SUBSTITUTION (NO)
36: JUSTIFICATION (LEFT)
36: FILL CHARACTER ( )
36: FLOAT CHARACTER ( )
36: DECIMAL POSITIONS (0)
36: SIGN POSITION (LEADING)
36: AUTO CLOSE (YES)
36: ARITHMETIC OPERATION (NO)
36: AUTO FILL-IN (NO)
36: NEXT PAGE NUMBER (NO)
36: BRANCHING (NO)
36: AUTO-INCREMENT (NO)
36: OUTPUT TO MEMORY CELL (NO)
36: OUTPUT TO DISKETTE (YES)

08. FREQUENCY

```
37:  TAB STOP  (YES)
37:  INPUT TYPE  (KEYBOARD)
37:  CHARACTER TYPE  (DIGIT)
37:  SECURITY FIELD  (NO)
37:  OVERRIDE ERROR FIELD  (YES)
37:  MINIMUM LENGTH  (0)
37:  EXACT LENGTH TABLE  (NO)
37:  RANGE  (NO)
37:  ALLOWABLE ENTRY  (NO)
37:  SUBSTITUTION  (NO)
37:  JUSTIFICATION  (RIGHT)
37:  FILL CHARACTER  ( )
37:  FLOAT CHARACTER  ( )
37:  DECIMAL POSITIONS  (0)
37:  SIGN POSITION  (LEADING)
37:  AUTO CLOSE  (YES)
37:  ARITHMETIC OPERATION  (NO)
37:  AUTO FILL-IN  (NO)
37:  NEXT PAGE NUMBER  (NO)
37:  BRANCHING  (NO)
37:  AUTO-INCREMENT  (NO)
37:  OUTPUT TO MEMORY CELL  (NO)
37:  OUTPUT TO DISKETTE  (YES)
```

08. LENGTH

```
38:  TAB STOP  (YES)
38:  INPUT TYPE  (KEYBOARD)
38:  CHARACTER TYPE  (DIGIT)
38:  SECURITY FIELD  (NO)
38:  OVERRIDE ERROR FIELD  (NO)
38:  MINIMUM LENGTH  (0)
38:  EXACT LENGTH TABLE  (NO)
38:  RANGE  (NO)
38:  ALLOWABLE ENTRY  (NO)
38:  SUBSTITUTION  (NO)
38:  JUSTIFICATION  (RIGHT)
38:  FILL CHARACTER  ( )
38:  FLOAT CHARACTER  ( )
38:  DECIMAL POSITIONS  (0)
38:  SIGN POSITION  (LEADING)
38:  AUTO CLOSE  (YES)
38:  ARITHMETIC OPERATION  (NO)
38:  AUTO FILL-IN  (NO)
38:  NEXT PAGE NUMBER  (NO)
38:  BRANCHING  (NO)
38:  AUTO-INCREMENT  (NO)
38:  OUTPUT TO MEMORY CELL  (NO)
38:  OUTPUT TO DISKETTE  (YES)
```

| | | |
|---|---|---|
| 08. SEX | 39: | TAB STOP (YES) |
| | 39: | INPUT TYPE (KEYBOARD) |
| | 39: | CHARACTER TYPE (DIGIT) |
| | 39: | SECURITY FIELD (NO) |
| | 39: | OVERRIDE ERROR FIELD (YES) |
| | 39: | MINIMUM LENGTH (0) |
| | 39: | EXACT LENGTH TABLE (NO) |
| | 39: | RANGE (NO) |
| | 39: | ALLOWABLE ENTRY (NO) |
| | 39: | SUBSTITUTION (NO) |
| | 39: | JUSTIFICATION (LEFT) |
| | 39: | FILL CHARACTER ( ) |
| | 39: | FLOAT CHARACTER ( ) |
| | 39: | DECIMAL POSITIONS (0) |
| | 39: | SIGN POSITION (LEADING) |
| | 39: | AUTO CLOSE (YES) |
| | 39: | ARITHMETIC OPERATION (NO) |
| | 39: | AUTO FILL-IN (NO) |
| | 39: | NEXT PAGE NUMBER (NO) |
| | 39: | BRANCHING (NO) |
| | 39: | AUTO-INCREMENT (NO) |
| | 39: | OUTPUT TO MEMORY CELL (NO) |
| | 39: | OUTPUT TO DISKETTE (YES) |
| 08. MATURITY | 40: | TAB STOP (YES) |
| | 40: | INPUT TYPE (KEYBOARD) |
| | 40: | CHARACTER TYPE (DIGIT) |
| | 40: | SECURITY FIELD (NO) |
| | 40: | OVERRIDE ERROR FIELD (YES) |
| | 40: | MINIMUM LENGTH (0) |
| | 40: | EXACT LENGTH TABLE (NO) |
| | 40: | RANGE (NO) |
| | 40: | ALLOWABLE ENTRY (NO) |
| | 40: | SUBSTITUTION (NO) |
| | 40: | JUSTIFICATION (LEFT) |
| | 40: | FILL CHARACTER ( ) |
| | 40: | FLOAT CHARACTER ( ) |
| | 40: | DECIMAL POSITIONS (0) |
| | 40: | SIGN POSITION (LEADING) |
| | 40: | AUTO CLOSE (YES) |
| | 40: | ARITHMETIC OPERATION (NO) |
| | 40: | AUTO FILL-IN (NO) |
| | 40: | NEXT PAGE NUMBER (NO) |
| | 40: | BRANCHING (NO) |
| | 40: | AUTO-INCREMENT (NO) |
| | 40: | OUTPUT TO MEMORY CELL (NO) |
| | 40: | OUTPUT TO DISKETTE (YES) |

09. FREQUENCY

```
41:  TAB STOP  (YES)
41:  INPUT TYPE  (KEYBOARD)
41:  CHARACTER TYPE  (DIGIT)
41:  SECURITY FIELD  (NO)
41:  OVERRIDE ERROR FIELD  (YES)
41:  MINIMUM LENGTH  (0)
41:  EXACT LENGTH TABLE  (NO)
41:  RANGE  (NO)
41:  ALLOWABLE ENTRY  (NO)
41:  SUBSTITUTION  (NO)
41:  JUSTIFICATION  (RIGHT)
41:  FILL CHARACTER  ( )
41:  FLOAT CHARACTER  ( )
41:  DECIMAL POSITIONS  (0)
41:  SIGN POSITION  (LEADING)
41:  AUTO CLOSE  (YES)
41:  ARITHMETIC OPERATION  (NO)
41:  AUTO FILL-IN  (NO)
41:  NEXT PAGE NUMBER  (NO)
41:  BRANCHING  (NO)
41:  AUTO-INCREMENT  (NO)
41:  OUTPUT TO MEMORY CELL  (NO)
41:  OUTPUT TO DISKETTE  (YES)
```

09. LENGTH

```
42:  TAB STOP  (YES)
42:  INPUT TYPE  (KEYBOARD)
42:  CHARACTER TYPE  (DIGIT)
42:  SECURITY FIELD  (NO)
42:  OVERRIDE ERROR FIELD  (NO)
42:  MINIMUM LENGTH  (0)
42:  EXACT LENGTH TABLE  (NO)
42:  RANGE  (NO)
42:  ALLOWABLE ENTRY  (NO)
42:  SUBSTITUTION  (NO)
42:  JUSTIFICATION  (RIGHT)
42:  FILL CHARACTER  ( )
42:  FLOAT CHARACTER  ( )
42:  DECIMAL POSITIONS  (0)
42:  SIGN POSITION  (LEADING)
42:  AUTO CLOSE  (YES)
42:  ARITHMETIC OPERATION  (NO)
42:  AUTO FILL-IN  (NO)
42:  NEXT PAGE NUMBER  (NO)
42:  BRANCHING  (NO)
42:  AUTO-INCREMENT  (NO)
42:  OUTPUT TO MEMORY CELL  (NO)
42:  OUTPUT TO DISKETTE  (YES)
```

| | | |
|---|---|---|
| 09. SEX | 43: | TAB STOP (YES) |
| | 43: | INPUT TYPE (KEYBOARD) |
| | 43: | CHARACTER TYPE (DIGIT) |
| | 43: | SECURITY FIELD (NO) |
| | 43: | OVERRIDE ERROR FIELD (YES) |
| | 43: | MINIMUM LENGTH (0) |
| | 43: | EXACT LENGTH TABLE (NO) |
| | 43: | RANGE (NO) |
| | 43: | ALLOWABLE ENTRY (NO) |
| | 43: | SUBSTITUTION (NO) |
| | 43: | JUSTIFICATION (LEFT) |
| | 43: | FILL CHARACTER ( ) |
| | 43: | FLOAT CHARACTER ( ) |
| | 43: | DECIMAL POSITIONS (0) |
| | 43: | SIGN POSITION (LEADING) |
| | 43: | AUTO CLOSE (YES) |
| | 43: | ARITHMETIC OPERATION (NO) |
| | 43: | AUTO FILL-IN (NO) |
| | 43: | NEXT PAGE NUMBER (NO) |
| | 43: | BRANCHING (NO) |
| | 43: | AUTO-INCREMENT (NO) |
| | 43: | OUTPUT TO MEMORY CELL (NO) |
| | 43: | OUTPUT TO DISKETTE (YES) |
| 09. MATURITY | 44: | TAB STOP (YES) |
| | 44: | INPUT TYPE (KEYBOARD) |
| | 44: | CHARACTER TYPE (DIGIT) |
| | 44: | SECURITY FIELD (NO) |
| | 44: | OVERRIDE ERROR FIELD (YES) |
| | 44: | MINIMUM LENGTH (0) |
| | 44: | EXACT LENGTH TABLE (NO) |
| | 44: | RANGE (NO) |
| | 44: | ALLOWABLE ENTRY (NO) |
| | 44: | SUBSTITUTION (NO) |
| | 44: | JUSTIFICATION (LEFT) |
| | 44: | FILL CHARACTER ( ) |
| | 44: | FLOAT CHARACTER ( ) |
| | 44: | DECIMAL POSITIONS (0) |
| | 44: | SIGN POSITION (LEADING) |
| | 44: | AUTO CLOSE (YES) |
| | 44: | ARITHMETIC OPERATION (NO) |
| | 44: | AUTO FILL-IN (NO) |
| | 44: | NEXT PAGE NUMBER (NO) |
| | 44: | BRANCHING (NO) |
| | 44: | AUTO-INCREMENT (NO) |
| | 44: | OUTPUT TO MEMORY CELL (NO) |
| | 44: | OUTPUT TO DISKETTE (YES) |

10. FREQUENCY

```
45:  TAB STOP  (YES)
45:  INPUT TYPE  (KEYBOARD)
45:  CHARACTER TYPE  (DIGIT)
45:  SECURITY FIELD  (NO)
45:  OVERRIDE ERROR FIELD  (YES)
45:  MINIMUM LENGTH  (0)
45:  EXACT LENGTH TABLE  (NO)
45:  RANGE  (NO)
45:  ALLOWABLE ENTRY  (NO)
45:  SUBSTITUTION  (NO)
45:  JUSTIFICATION  (RIGHT)
45:  FILL CHARACTER  ( )
45:  FLOAT CHARACTER  ( )
45:  DECIMAL POSITIONS  (0)
45:  SIGN POSITION  (LEADING)
45:  AUTO CLOSE  (YES)
45:  ARITHMETIC OPERATION  (NO)
45:  AUTO FILL-IN  (NO)
45:  NEXT PAGE NUMBER  (NO)
45:  BRANCHING  (NO)
45:  AUTO-INCREMENT  (NO)
45:  OUTPUT TO MEMORY CELL  (NO)
45:  OUTPUT TO DISKETTE  (YES)
```

10. LENGTH

```
46:  TAB STOP  (YES)
46:  INPUT TYPE  (KEYBOARD)
46:  CHARACTER TYPE  (DIGIT)
46:  SECURITY FIELD  (NO)
46:  OVERRIDE ERROR FIELD  (NO)
46:  MINIMUM LENGTH  (0)
46:  EXACT LENGTH TABLE  (NO)
46:  RANGE  (NO)
46:  ALLOWABLE ENTRY  (NO)
46:  SUBSTITUTION  (NO)
46:  JUSTIFICATION  (RIGHT)
46:  FILL CHARACTER  ( )
46:  FLOAT CHARACTER  ( )
46:  DECIMAL POSITIONS  (0)
46:  SIGN POSITION  (LEADING)
46:  AUTO CLOSE  (YES)
46:  ARITHMETIC OPERATION  (NO)
46:  AUTO FILL-IN  (NO)
46:  NEXT PAGE NUMBER  (NO)
46:  BRANCHING  (NO)
46:  AUTO-INCREMENT  (NO)
46:  OUTPUT TO MEMORY CELL  (NO)
46:  OUTPUT TO DISKETTE  (YES)
```

10. SEX

```
47:  TAB STOP  (YES)
47:  INPUT TYPE  (KEYBOARD)
47:  CHARACTER TYPE  (DIGIT)
47:  SECURITY FIELD  (NO)
47:  OVERRIDE ERROR FIELD  (YES)
47:  MINIMUM LENGTH  (0)
47:  EXACT LENGTH TABLE  (NO)
47:  RANGE  (NO)
47:  ALLOWABLE ENTRY  (NO)
47:  SUBSTITUTION  (NO)
47:  JUSTIFICATION  (LEFT)
47:  FILL CHARACTER  ( )
47:  FLOAT CHARACTER  ( )
47:  DECIMAL POSITIONS  (0)
47:  SIGN POSITION  (LEADING)
47:  AUTO CLOSE  (YES)
47:  ARITHMETIC OPERATION  (NO)
47:  AUTO FILL-IN  (NO)
47:  NEXT PAGE NUMBER  (NO)
47:  BRANCHING  (NO)
47:  AUTO-INCREMENT  (NO)
47:  OUTPUT TO MEMORY CELL  (NO)
47:  OUTPUT TO DISKETTE  (YES)
```

10. MATURITY

```
48:  TAB STOP  (YES)
48:  INPUT TYPE  (KEYBOARD)
48:  CHARACTER TYPE  (DIGIT)
48:  SECURITY FIELD  (NO)
48:  OVERRIDE ERROR FIELD  (YES)
48:  MINIMUM LENGTH  (0)
48:  EXACT LENGTH TABLE  (NO)
48:  RANGE  (NO)
48:  ALLOWABLE ENTRY  (NO)
48:  SUBSTITUTION  (NO)
48:  JUSTIFICATION  (LEFT)
48:  FILL CHARACTER  ( )
48:  FLOAT CHARACTER  ( )
48:  DECIMAL POSITIONS  (0)
48:  SIGN POSITION  (LEADING)
48:  AUTO CLOSE  (YES)
48:  ARITHMETIC OPERATION  (NO)
48:  AUTO FILL-IN  (NO)
48:  NEXT PAGE NUMBER  (NO)
48:  BRANCHING  (NO)
48:  AUTO-INCREMENT  (NO)
48:  OUTPUT TO MEMORY CELL  (NO)
48:  OUTPUT TO DISKETTE  (YES)
```

11. FREQUENCY

```
49:  TAB STOP  (YES)
49:  INPUT TYPE  (KEYBOARD)
49:  CHARACTER TYPE  (DIGIT)
49:  SECURITY FIELD  (NO)
49:  OVERRIDE ERROR FIELD  (YES)
49:  MINIMUM LENGTH  (0)
49:  EXACT LENGTH TABLE  (NO)
49:  RANGE  (NO)
49:  ALLOWABLE ENTRY  (NO)
49:  SUBSTITUTION  (NO)
49:  JUSTIFICATION  (RIGHT)
49:  FILL CHARACTER  ( )
49:  FLOAT CHARACTER  ( )
49:  DECIMAL POSITIONS  (0)
49:  SIGN POSITION  (LEADING)
49:  AUTO CLOSE  (YES)
49:  ARITHMETIC OPERATION  (NO)
49:  AUTO FILL-IN  (NO)
49:  NEXT PAGE NUMBER  (NO)
49:  BRANCHING  (NO)
49:  AUTO-INCREMENT  (NO)
49:  OUTPUT TO MEMORY CELL  (NO)
49:  OUTPUT TO DISKETTE  (YES)
```

11. LENGTH

```
50:  TAB STOP  (YES)
50:  INPUT TYPE  (KEYBOARD)
50:  CHARACTER TYPE  (DIGIT)
50:  SECURITY FIELD  (NO)
50:  OVERRIDE ERROR FIELD  (NO)
50:  MINIMUM LENGTH  (0)
50:  EXACT LENGTH TABLE  (NO)
50:  RANGE  (NO)
50:  ALLOWABLE ENTRY  (NO)
50:  SUBSTITUTION  (NO)
50:  JUSTIFICATION  (RIGHT)
50:  FILL CHARACTER  ( )
50:  FLOAT CHARACTER  ( )
50:  DECIMAL POSITIONS  (0)
50:  SIGN POSITION  (LEADING)
50:  AUTO CLOSE  (YES)
50:  ARITHMETIC OPERATION  (NO)
50:  AUTO FILL-IN  (NO)
50:  NEXT PAGE NUMBER  (NO)
50:  BRANCHING  (NO)
50:  AUTO-INCREMENT  (NO)
50:  OUTPUT TO MEMORY CELL  (NO)
50:  OUTPUT TO DISKETTE  (YES)
```

11. SEX

51: TAB STOP (YES)
51: INPUT TYPE (KEYBOARD)
51: CHARACTER TYPE (DIGIT)
51: SECURITY FIELD (NO)
51: OVERRIDE ERROR FIELD (YES)
51: MINIMUM LENGTH (0)
51: EXACT LENGTH TABLE (NO)
51: RANGE (NO)
51: ALLOWABLE ENTRY (NO)
51: SUBSTITUTION (NO)
51: JUSTIFICATION (LEFT)
51: FILL CHARACTER ( )
51: FLOAT CHARACTER ( )
51: DECIMAL POSITIONS (0)
51: SIGN POSITION (LEADING)
51: AUTO CLOSE (YES)
51: ARITHMETIC OPERATION (NO)
51: AUTO FILL-IN (NO)
51: NEXT PAGE NUMBER (NO)
51: BRANCHING (NO)
51: AUTO-INCREMENT (NO)
51: OUTPUT TO MEMORY CELL (NO)
51: OUTPUT TO DISKETTE (YES)

11. MATURITY

52: TAB STOP (YES)
52: INPUT TYPE (KEYBOARD)
52: CHARACTER TYPE (DIGIT)
52: SECURITY FIELD (NO)
52: OVERRIDE ERROR FIELD (YES)
52: MINIMUM LENGTH (0)
52: EXACT LENGTH TABLE (NO)
52: RANGE (NO)
52: ALLOWABLE ENTRY (NO)
52: SUBSTITUTION (NO)
52: JUSTIFICATION (LEFT)
52: FILL CHARACTER ( )
52: FLOAT CHARACTER ( )
52: DECIMAL POSITIONS (0)
52: SIGN POSITION (LEADING)
52: AUTO CLOSE (YES)
52: ARITHMETIC OPERATION (NO)
52: AUTO FILL-IN (NO)
52: NEXT PAGE NUMBER (NO)
52: BRANCHING (NO)
52: AUTO-INCREMENT (NO)
52: OUTPUT TO MEMORY CELL (NO)
52: OUTPUT TO DISKETTE (YES)

FILL

```
53:  TAB STOP  (YES)
53:  INPUT TYPE  (CONSTANT:  )
53:  CHARACTER TYPE  (PRINTABLE)
53:  SECURITY FIELD  (NO)
53:  OVERRIDE ERROR FIELD  (NO)
53:  MINIMUM LENGTH  (0)
53:  EXACT LENGTH TABLE  (NO)
53:  RANGE  (NO)
53:  ALLOWABLE ENTRY  (NO)
53:  SUBSTITUTION  (NO)
53:  JUSTIFICATION  (LEFT)
53:  FILL CHARACTER  ( )
53:  FLOAT CHARACTER  ( )
53:  DECIMAL POSITIONS  (0)
53:  SIGN POSITION  (LEADING)
53:  AUTO CLOSE  (YES)
53:  ARITHMETIC OPERATION  (NO)
53:  AUTO FILL-IN  (NO)
53:  NEXT PAGE NUMBER  (NO)
53:  BRANCHING  (NO)
53:  AUTO-INCREMENT  (NO)
53:  OUTPUT TO MEMORY CELL  (NO)
53:  OUTPUT TO DISKETTE  (YES)
```

LOAD
RECORD TYPE:
ONE →

```
54:  TAB STOP  (YES)
54:  INPUT TYPE  (KEYBOARD)
54:  CHARACTER TYPE  (PRINTABLE)
54:  SECURITY FIELD  (NO)
54:  OVERRIDE ERROR FIELD  (NO)
54:  MINIMUM LENGTH  (0)
54:  EXACT LENGTH TABLE  (NO)
54:  RANGE  (NO)
54:  ALLOWABLE ENTRY  (NO)
54:  SUBSTITUTION  (NO)
54:  JUSTIFICATION  (LEFT)
54:  FILL CHARACTER  ( )
54:  FLOAT CHARACTER  ( )
54:  DECIMAL POSITIONS  (0)
54:  SIGN POSITION  (LEADING)
54:  AUTO CLOSE  (YES)
54:  ARITHMETIC OPERATION  (NO)
54:  AUTO FILL-IN  (NO)
54:  NEXT PAGE NUMBER  (YES - PAGE 1)
54:  BRANCHING  (TEST  LINE: 23  POSITION:80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
54:  AUTO-INCREMENT  (NO)
54:  OUTPUT TO MEMORY CELL  (NO)
54:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
TWO

```
55:  TAB STOP  (YES)
55:  INPUT TYPE  (KEYBOARD)
55:  CHARACTER TYPE  (PRINTABLE)
55:  SECURITY FIELD  (NO)
55:  OVERRIDE ERROR FIELD  (NO)
55:  MINIMUM LENGTH  (0)
55:  EXACT LENGTH TABLE  (NO)
55:  RANGE  (NO)
55:  ALLOWABLE ENTRY  (NO)
55:  SUBSTITUTION  (NO)
55:  JUSTIFICATION  (LEFT)
55:  FILL CHARACTER  ( )
55:  FLOAT CHARACTER  ( )
55:  DECIMAL POSITIONS  (0)
55:  SIGN POSITION  (LEADING)
55:  AUTO CLOSE  (YES)
55:  ARITHMETIC OPERATION  (NO)
55:  AUTO FILL-IN  (NO)
55:  NEXT PAGE NUMBER  (YES - PAGE 2)
55:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
55:  AUTO-INCREMENT  (NO)
55:  OUTPUT TO MEMORY CELL  (NO)
55:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
THREE

```
56:  TAB STOP  (YES)
56:  INPUT TYPE  (KEYBOARD)
56:  CHARACTER TYPE  (PRINTABLE)
56:  SECURITY FIELD  (NO)
56:  OVERRIDE ERROR FIELD  (NO)
56:  MINIMUM LENGTH  (0)
56:  EXACT LENGTH TABLE  (NO)
56:  RANGE  (NO)
56:  ALLOWABLE ENTRY  (NO)
56:  SUBSTITUTION  (NO)
56:  JUSTIFICATION  (LEFT)
56:  FILL CHARACTER  ( )
56:  FLOAT CHARACTER  ( )
56:  DECIMAL POSITIONS  (0)
56:  SIGN POSITION  (LEADING)
56:  AUTO CLOSE  (YES)
56:  ARITHMETIC OPERATION  (NO)
56:  AUTO FILL-IN  (NO)
56:  NEXT PAGE NUMBER  (YES - PAGE 3)
56:  BRANCHING  (TEST  LINE: 23  POSITION: 80:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
56:  AUTO-INCREMENT  (NO)
56:  OUTPUT TO MEMORY CELL  (NO)
56:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
FOUR

57: TAB STOP (YES)
57: INPUT TYPE (KEYBOARD)
57: CHARACTER TYPE (PRINTABLE)
57: SECURITY FIELD (NO)
57: OVERRIDE ERROR FIELD (NO)
57: MINIMUM LENGTH (0)
57: EXACT LENGTH TABLE (NO)
57: RANGE (NO)
57: ALLOWABLE ENTRY (NO)
57: SUBSTITUTION (NO)
57: JUSTIFICATION (LEFT)
57: FILL CHARACTER ( )
57: FLOAT CHARACTER ( )
57: DECIMAL POSITIONS (0)
57: SIGN POSITION (LEADING)
57: AUTO CLOSE (YES)
57: ARITHMETIC OPERATION (NO)
57: AUTO FILL-IN (NO)
57: NEXT PAGE NUMBER (YES - PAGE 4)
57: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))
57: AUTO-INCREMENT (NO)
57: OUTPUT TO MEMORY CELL (NO)
57: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

58: TAB STOP (YES)
58: INPUT TYPE (KEYBOARD)
58: CHARACTER TYPE (PRINTABLE)
58: SECURITY FIELD (NO)
58: OVERRIDE ERROR FIELD (NO)
58: MINIMUM LENGTH (0)
58: EXACT LENGTH TABLE (NO)
58: RANGE (NO)
58: ALLOWABLE ENTRY (NO)
58: SUBSTITUTION (NO)
58: JUSTIFICATION (LEFT)
58: FILL CHARACTER ( )
58: FLOAT CHARACTER ( )
58: DECIMAL POSITIONS (0)
58: SIGN POSITION (LEADING)
58: AUTO CLOSE (YES)
58: ARITHMETIC OPERATION (NO)
58: AUTO FILL-IN (NO)
58: NEXT PAGE NUMBER (YES - PAGE 5)
58: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES -- RAM:
X;))
58: AUTO-INCREMENT (NO)
58: OUTPUT TO MEMORY CELL (NO)
58: OUTPUT TO DISKETTE (NO)

```
LOAD
RECORD TYPE:
SIX
```

```
59:  TAB STOP  (YES)
59:  INPUT TYPE  (KEYBOARD)
59:  CHARACTER TYPE  (PRINTABLE)
59:  SECURITY FIELD  (NO)
59:  OVERRIDE ERROR FIELD  (NO)
59:  MINIMUM LENGTH  (0)
59:  EXACT LENGTH TABLE  (NO)
59:  RANGE  (NO)
59:  ALLOWABLE ENTRY  (NO)
59:  SUBSTITUTION  (NO)
59:  JUSTIFICATION  (LEFT)
59:  FILL CHARACTER  ( )
59:  FLOAT CHARACTER  ( )
59:  DECIMAL POSITIONS  (0)
59:  SIGN POSITION  (LEADING)
59:  AUTO CLOSE  (YES)
59:  ARITHMETIC OPERATION  (NO)
59:  AUTO FILL-IN  (NO)
59:  NEXT PAGE NUMBER  (YES - PAGE 6)
59:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
59:  AUTO-INCREMENT  (NO)
59:  OUTPUT TO MEMORY CELL  (NO)
59:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD
RECORD TYPE:
SEVEN
```

```
60:  TAB STOP  (YES)
60:  INPUT TYPE  (KEYBOARD)
60:  CHARACTER TYPE  (PRINTABLE)
60:  SECURITY FIELD  (NO)
60:  OVERRIDE ERROR FIELD  (NO)
60:  MINIMUM LENGTH  (0)
60:  EXACT LENGTH TABLE  (NO)
60:  RANGE  (NO)
60:  ALLOWABLE ENTRY  (NO)
60:  SUBSTITUTION  (NO)
60:  JUSTIFICATION  (LEFT)
60:  FILL CHARACTER  ( )
60:  FLOAT CHARACTER  ( )
60:  DECIMAL POSITIONS  (0)
60:  SIGN POSITION  (LEADING)
60:  AUTO CLOSE  (YES)
60:  ARITHMETIC OPERATION  (NO)
60:  AUTO FILL-IN  (NO)
60:  NEXT PAGE NUMBER  (YES - PAGE 7)
60:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
60:  AUTO-INCREMENT  (NO)
60:  OUTPUT TO MEMORY CELL  (NO)
60:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD RECORD     61:  TAB STOP  (YES)
RECORD TYPE:    61:  INPUT TYPE (KEYBOARD)
EIGHT           61:  CHARACTER TYPE  (PRINTABLE)
                61:  SECURITY FIELD  (NO)
                61:  OVERRIDE ERROR FIELD  (NO)
                61:  MINIMUM LENGTH  (0)
                61:  EXACT LENGTH TABLE  (NO)
                61:  RANGE  (NO)
                61:  ALLOWABLE ENTRY  (NO)
                61:  SUBSTITUTION  (NO)
                61:  JUSTIFICATION  (LEFT)
                61:  FILL CHARACTER  ( )
                61:  FLOAT CHARACTER  ( )
                61:  DECIMAL POSITIONS  (0)
                61:  SIGN POSITION  (LEADING)
                61:  AUTO CLOSE  (YES)
                61:  ARITHMETIC OPERATION  (NO)
                61:  AUTO FILL-IN  (NO)
                61:  NEXT PAGE NUMBER (NO)
                61:  BRANCHING  (NO)
```

```
                61:  AUTO-INCREMENT  (NO)
                61:  OUTPUT TO MEMORY CELL  (NO)
                61:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD RECORD     62:  TAB STOP  (YES)
RECORD TYPE:    62:  INPUT TYPE (KEYBOARD)
NINE            62:  CHARACTER TYPE  (PRINTABLE)
                62:  SECURITY FIELD  (NO)
                62:  OVERRIDE ERROR FIELD  (NO)
                62:  MINIMUM LENGTH  (0)
                62:  EXACT LENGTH TABLE  (NO)
                62:  RANGE  (NO)
                62:  ALLOWABLE ENTRY  (NO)
                62:  SUBSTITUTION  (NO)
                62:  JUSTIFICATION  (LEFT)
                62:  FILL CHARACTER  ( )
                62:  FLOAT CHARACTER  ( )
                62:  DECIMAL POSITIONS  (0)
                62:  SIGN POSITION  (LEADING)
                62:  AUTO CLOSE  (YES)
                62:  ARITHMETIC OPERATION  (NO)
                62:  AUTO FILL-IN  (NO)
                62:  NEXT PAGE NUMBER  (YES - PAGE 3)
                62:  BRANCHING  (TEST  LINE: 23  POSITION: 80 :

                      BRANCH: MINIMUM LENGTH  (0)
                     BRANCH: MAXIMUM LENGTH  (1)
                     BRANCH: EXACT LENGTH TABLE  (NO)
                    BRANCH: RANGE  (NO)
                     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                     X;))
                62:  AUTO-INCREMENT  (NO)
                62:  OUTPUT TO MEMORY CELL  (NO)
                62:  OUTPUT TO DISKETTE  (NO)
```

```
TAG RECAPTURE DATA                          RECORD TYPE IX (FORM PAGE 08)

ACTION FIELD <   RECORD TYPE <    SEQUENCE NO: YEAR <<  COLLECTION NO <<<<<
REPLICATE <<     SPECIES <<<<<<<<<<         STATUS <     LINE NUMBER <<<

TAG NUMBER <<<<<<                           TAG TYPE <

RECAPTURE DATE: YEAR <<  MONTH <<  DAY <<
RECAPTURE LOCATION <<<<<<<<<<               RECAPTURE GEAR <<<

DAYS OUT <<<<                               DISTANCE TRAVELLED (MILES) <<<<

RECAPTURE LENGTH <<<<
RECAPTURE WEIGHT <<<<<
RECAPTURE MATURITY <

VARIABLE FIELD #1 <<<<<<<<<<<<<<<<<<
VARIABLE FIELD #2 <<<<<<<<<<<<<<<<<<
VARIABLE FIELD #3 <<<<<<<<<<<<<<<<
VARIABLE FIELD #4 <<                        VARIABLE FIELD #5 <<<<<

----------LOAD THE FOLLOWING RECORD TYPE-CHOOSE WITH AN 'X'----------
ONE <   TWO <   THREE <   FOUR <   FIVE <   SIX <   SEVEN <   EIGHT <   NINE <
```

## BIOFORM-08 ATTRIBUTES

### BIOFORM - 08

ACTION FIELD

```
TAB STOP  (YES)
1:  INPUT TYPE  (KEYBOARD-CONSTANT:  )
1:  CHARACTER TYPE  (ALPHA)
1:  SECURITY FIELD  (NO)
1:  OVERRIDE ERROR FIELD  (NO )
1:  MINIMUM LENGTH  (0)
1:  EXACT LENGTH TABLE  (NO)
1:  RANGE  (NO)
1:  ALLOWABLE ENTRY  (YES:
    DRIVE: 1  FILE: ACTION)
1:  SUBSTITUTION  (NO)
1:  JUSTIFICATION  (LEFT)
1:  FILL CHARACTER  ( )
1:  FLOAT CHARACTER  ( )
1:  DECIMAL POSITIONS  (0)
1:  SIGN POSITION  (LEADING)
1:  AUTO CLOSE  (YES)
1:  ARITHMETIC OPERATION  (NO)
1:  AUTO FILL-IN  (NO)
1:  NEXT PAGE NUMBER  (NO)
1:  BRANCHING  (NO)
1:  AUTO-INCREMENT  (NO)
1:  OUTPUT TO MEMORY CELL  (NO)
1:  OUTPUT TO DISKETTE  (YES)
```

RECORD TYPE

```
2:  TAB STOP  (YES)
2:  INPUT TYPE  (CONSTANT: 9)
2:  CHARACTER TYPE  (PRINTABLE)
2:  SECURITY FIELD  (NO)
2:  OVERRIDE ERROR FIELD  (NO)
2:  MINIMUM LENGTH  (0)
2:  EXACT LENGTH TABLE  (NO)
2:  RANGE  (NO)
2:  ALLOWABLE ENTRY  (NO)
2:  SUBSTITUTION  (NO)
2:  JUSTIFICATION  (LEFT)
2:  FILL CHARACTER  ( )
2:  FLOAT CHARACTER  ( )
2:  DECIMAL POSITIONS  (0)
2:  SIGN POSITION  (LEADING)
2:  AUTO CLOSE  (YES)
2:  ARITHMETIC OPERATION  (NO)
2:  AUTO FILL-IN  (NO)
2:  NEXT PAGE NUMBER  (NO)
2:  BRANCHING  (NO)
2:  AUTO-INCREMENT  (NO)
2:  OUTPUT TO MEMORY CELL  (NO)
2:  OUTPUT TO DISKETTE  (YES)
```

| | | |
|---|---|---|
| **SEQUENCE NO : YEAR** | 3: | TAB STOP (YES) |
| | 3: | INPUT TYPE (KEYBOARD-MEMORY CELL # 1) |
| | 3: | CHARACTER TYPE (DIGIT) |
| | 3: | SECURITY FIELD (NO) |
| | 3: | OVERRIDE ERROR FIELD (NO) |
| | 3: | MINIMUM LENGTH (0) |
| | 3: | EXACT LENGTH TABLE (YES: 2) |
| | 3: | RANGE (YES: FROM: 65 TO: 85) |
| | 3: | ALLOWABLE ENTRY (NO) |
| | 3: | SUBSTITUTION (NO) |
| | 3: | JUSTIFICATION (LEFT) |
| | 3: | FILL CHARACTER ( ) |
| | 3: | FLOAT CHARACTER ( ) |
| | 3: | DECIMAL POSITIONS (0) |
| | 3: | SIGN POSITION (LEADING) |
| | 3: | AUTO CLOSE (YES) |
| | 3: | ARITHMETIC OPERATION (NO) |
| | 3: | AUTO FILL-IN (NO) |
| | 3: | NEXT PAGE NUMBER (NO) |
| | 3: | BRANCHING (NO) |
| | 3: | AUTO-INCREMENT (NO) |
| | 3: | OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1) |
| | 3: | OUTPUT TO DISKETTE (YES) |
| **SEQUENCE NO : COLLECTION NO.** | 4: | TAB STOP (YES) |
| | 4: | INPUT TYPE (KEYBOARD-MEMORY CELL # 2) |
| | 4: | CHARACTER TYPE (DIGIT) |
| | 4: | SECURITY FIELD (NO) |
| | 4: | OVERRIDE ERROR FIELD (NO ) |
| | 4: | MINIMUM LENGTH (1) |
| | 4: | EXACT LENGTH TABLE (NO) |
| | 4: | RANGE (NO) |
| | 4: | ALLOWABLE ENTRY (NO) |
| | 4: | SUBSTITUTION (NO) |
| | 4: | JUSTIFICATION (RIGHT) |
| | 4: | FILL CHARACTER (0) |
| | 4: | FLOAT CHARACTER (0) |
| | 4: | DECIMAL POSITIONS (0) |
| | 4: | SIGN POSITION (LEADING) |
| | 4: | AUTO CLOSE (YES) |
| | 4: | ARITHMETIC OPERATION (NO) |
| | 4: | AUTO FILL-IN (NO) |
| | 4: | NEXT PAGE NUMBER (NO) |
| | 4: | BRANCHING (NO) |
| | 4: | AUTO-INCREMENT (NO) |
| | 4: | OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2) |
| | 4: | OUTPUT TO DISKETTE (YES) |

REPLICATE

5: TAB STOP (YES)
5: INPUT TYPE (KEYBOARD-MEMORY CELL # 3)
5: CHARACTER TYPE (DIGIT)
5: SECURITY FIELD (NO)
5: OVERRIDE ERROR FIELD (NO )
5: MINIMUM LENGTH (1)
5: EXACT LENGTH TABLE (NO)
5: RANGE (NO)
5: ALLOWABLE ENTRY (NO)
5: SUBSTITUTION (NO)
5: JUSTIFICATION (RIGHT)
5: FILL CHARACTER (0)
5: FLOAT CHARACTER (0)
5: DECIMAL POSITIONS (0)
5: SIGN POSITION (LEADING)
5: AUTO CLOSE (YES)
5: ARITHMETIC OPERATION (NO)
5: AUTO FILL-IN (NO)
5: NEXT PAGE NUMBER (NO)
5: BRANCHING (NO)
5: AUTO-INCREMENT (NO)
5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
6: INPUT TYPE (KEYBOARD-MEMORY CELL # 4)
6: CHARACTER TYPE (DIGIT)
6: SECURITY FIELD (NO)
6: OVERRIDE ERROR FIELD (NO )
6: MINIMUM LENGTH (0)
6: EXACT LENGTH TABLE (YES:
10)
6: RANGE (NO)
6: ALLOWABLE ENTRY (NO)
6: SUBSTITUTION (NO)
6: JUSTIFICATION (LEFT)
6: FILL CHARACTER ( )
6: FLOAT CHARACTER ( )
6: DECIMAL POSITIONS (0)
6: SIGN POSITION (LEADING)
6: AUTO CLOSE (YES)
6: ARITHMETIC OPERATION (NO)
6: AUTO FILL-IN (NO)
6: NEXT PAGE NUMBER (NO)
6: BRANCHING (NO)
6: AUTO-INCREMENT (NO)
6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
6: OUTPUT TO DISKETTE (YES)

STATUS

```
7:  TAB STOP  (YES)
7:  INPUT TYPE  (KEYBOARD-MEMORY CELL #  5)
7:  CHARACTER TYPE  (DIGIT)
7:  SECURITY FIELD  (NO)
7:  OVERRIDE ERROR FIELD  (NO )
7:  MINIMUM LENGTH  (1)
7:  EXACT LENGTH TABLE  (NO)
7:  RANGE  (NO)
7:  ALLOWABLE ENTRY  (NO)
7:  SUBSTITUTION  (NO)
7:  JUSTIFICATION  (LEFT)
7:  FILL CHARACTER  ( )
7:  FLOAT CHARACTER  ( )
7:  DECIMAL POSITIONS  (0)
7:  SIGN POSITION  (LEADING)
7:  AUTO CLOSE  (YES)
7:  ARITHMETIC OPERATION  (NO)
7:  AUTO FILL-IN  (NO)
7:  NEXT PAGE NUMBER  (NO)
7:  BRANCHING  (NO)
7:  AUTO-INCREMENT  (NO)
7:  OUTPUT TO MEMORY CELL  (YES - MEMORY CELL # 5)
7:  OUTPUT TO DISKETTE  (YES)
```

LINE NUMBER

```
8:  TAB STOP  (YES)
8:  INPUT TYPE  (KEYBOARD-REGISTER #  1)
8:  CHARACTER TYPE  (DIGIT)
8:  SECURITY FIELD  (NO)
8:  OVERRIDE ERROR FIELD  (NO )
8:  MINIMUM LENGTH  (1)
8:  EXACT LENGTH TABLE  (NO)
8:  RANGE  (NO)
8:  ALLOWABLE ENTRY  (NO)
8:  SUBSTITUTION  (NO)
8:  JUSTIFICATION  (RIGHT)
8:  FILL CHARACTER  (0)
8:  FLOAT CHARACTER  (0)
8:  DECIMAL POSITIONS  (0)
8:  SIGN POSITION  (LEADING)
8:  AUTO CLOSE  (YES)
8:  ARITHMETIC OPERATION  (YES :
     R1=F8+1)
8:  AUTO FILL-IN  (NO)
8:  NEXT PAGE NUMBER  (NO)
8:  BRANCHING  (NO)
8:  AUTO-INCREMENT  (NO)
8:  OUTPUT TO MEMORY CELL  (NO)
8:  OUTPUT TO DISKETTE  (YES)
```

TAG NUMBER

```
9:  TAB STOP  (YES)
9:  INPUT TYPE  (KEYBOARD)
9:  CHARACTER TYPE  (MIXED)
9:  SECURITY FIELD  (NO)
9:  OVERRIDE ERROR FIELD  (YES)
9:  MINIMUM LENGTH  (0)
9:  EXACT LENGTH TABLE  (YES:
     6)
9:  RANGE  (NO)
9:  ALLOWABLE ENTRY  (NO)
9:  SUBSTITUTION  (NO)
9:  JUSTIFICATION  (LEFT)
9:  FILL CHARACTER  ( )
9:  FLOAT CHARACTER  ( )
9:  DECIMAL POSITIONS  (0)
9:  SIGN POSITION  (LEADING)
9:  AUTO CLOSE  (YES)
9:  ARITHMETIC OPERATION  (NO)
9:  AUTO FILL-IN  (NO)
9:  NEXT PAGE NUMBER  (NO)
9:  BRANCHING  (NO)
9:  AUTO-INCREMENT  (NO)
9:  OUTPUT TO MEMORY CELL  (NO)
9:  OUTPUT TO DISKETTE  (YES)
```

TAG TYPE

```
10:  TAB STOP  (YES)
10:  INPUT TYPE  (KEYBOARD)
10:  CHARACTER TYPE  (ALPHA)
10:  SECURITY FIELD  (NO)
10:  OVERRIDE ERROR FIELD  (NO )
10:  MINIMUM LENGTH  (1)
10:  EXACT LENGTH TABLE  (NO)
10:  RANGE  (NO)
10:  ALLOWABLE ENTRY  (NO)
10:  SUBSTITUTION  (NO)
10:  JUSTIFICATION  (LEFT)
10:  FILL CHARACTER  ( )
10:  FLOAT CHARACTER  ( )
10:  DECIMAL POSITIONS  (0)
10:  SIGN POSITION  (LEADING)
10:  AUTO CLOSE  (YES)
10:  ARITHMETIC OPERATION  (NO)
10:  AUTO FILL-IN  (NO)
10:  NEXT PAGE NUMBER  (NO)
10:  BRANCHING  (NO)
10:  AUTO-INCREMENT  (NO)
10:  OUTPUT TO MEMORY CELL  (NO)
10:  OUTPUT TO DISKETTE  (YES)
```

RECAPTURE
DATE : YEAR

```
11:  TAB STOP  (YES)
11:  INPUT TYPE  (KEYBOARD)
11:  CHARACTER TYPE  (DIGIT)
11:  SECURITY FIELD  (NO)
11:  OVERRIDE ERROR FIELD  (YES)
11:  MINIMUM LENGTH  (0)
11:  EXACT LENGTH TABLE  (YES:
     0,2)
11:  RANGE  (NO)

11:  ALLOWABLE ENTRY  (NO)
11:  SUBSTITUTION  (NO)
11:  JUSTIFICATION  (LEFT)
11:  FILL CHARACTER  ( )
11:  FLOAT CHARACTER  ( )
11:  DECIMAL POSITIONS  (0)
11:  SIGN POSITION  (LEADING)
11:  AUTO CLOSE  (YES)
11:  ARITHMETIC OPERATION  (NO)
11:  AUTO FILL-IN  (NO)
11:  NEXT PAGE NUMBER  (NO)
11:  BRANCHING  (NO)
11:  AUTO-INCREMENT  (NO)
11:  OUTPUT TO MEMORY CELL  (NO)
11:  OUTPUT TO DISKETTE  (YES)
```

RECAPTURE
DATE : MONTH

```
12:  TAB STOP  (YES)
12:  INPUT TYPE  (KEYBOARD)
12:  CHARACTER TYPE  (DIGIT)
12:  SECURITY FIELD  (NO)
12:  OVERRIDE ERROR FIELD  (YES)
12:  MINIMUM LENGTH  (0)
12:  EXACT LENGTH TABLE  (YES:
     0,2)
12:  RANGE  (YES:
     FROM:  00   TO:  12)
12:  ALLOWABLE ENTRY  (NO)
12:  SUBSTITUTION  (NO)
12:  JUSTIFICATION  (LEFT)
12:  FILL CHARACTER  ( )
12:  FLOAT CHARACTER  ( )
12:  DECIMAL POSITIONS  (0)
12:  SIGN POSITION  (LEADING)
12:  AUTO CLOSE  (YES)
12:  ARITHMETIC OPERATION  (NO)
12:  AUTO FILL-IN  (NO)
12:  NEXT PAGE NUMBER  (NO)
12:  BRANCHING  (NO)
12:  AUTO-INCREMENT  (NO)
12:  OUTPUT TO MEMORY CELL  (NO)
12:  OUTPUT TO DISKETTE  (YES)
```

RECAPTURE
DATE : DAY

13: TAB STOP (YES)
13: INPUT TYPE (KEYBOARD)
13: CHARACTER TYPE (DIGIT)
13: SECURITY FIELD (NO)
13: OVERRIDE ERROR FIELD (YES)
13: MINIMUM LENGTH (Ø)
13: EXACT LENGTH TABLE (Yes: 0,2)
13: RANGE (YES:
FROM: 00 TO: 31)
13: ALLOWABLE ENTRY (NO)
13: SUBSTITUTION (NO)
13: JUSTIFICATION (RIGHT)
13: FILL CHARACTER (0)
13: FLOAT CHARACTER (0)
13: DECIMAL POSITIONS (0)
13: SIGN POSITION (LEADING)
13: AUTO CLOSE (YES)
13: ARITHMETIC OPERATION (NO)
13: AUTO FILL-IN (NO)
13: NEXT PAGE NUMBER (NO)
13: BRANCHING (NO)
13: AUTO-INCREMENT (NO)
13: OUTPUT TO MEMORY CELL (NO)
13: OUTPUT TO DISKETTE (YES)

RECAPTURE
LOCATION

14: TAB STOP (YES)
14: INPUT TYPE (KEYBOARD)
14: CHARACTER TYPE (DIGIT)
14: SECURITY FIELD (NO)
14: OVERRIDE ERROR FIELD (YES)
14: MINIMUM LENGTH (0)
14: EXACT LENGTH TABLE (YES:
0, 10)
14: RANGE (YES:
FROM: 0000000000 TO: 4400000000)
14: ALLOWABLE ENTRY (NO)
14: SUBSTITUTION (NO)
14: JUSTIFICATION (LEFT)
14: FILL CHARACTER ( )
14: FLOAT CHARACTER ( )
14: DECIMAL POSITIONS (0)
14: SIGN POSITION (LEADING)
14: AUTO CLOSE (YES)
14: ARITHMETIC OPERATION (NO)
14: AUTO FILL-IN (NO)
14: NEXT PAGE NUMBER (NO)
14: BRANCHING (NO)
14: AUTO-INCREMENT (NO)
14: OUTPUT TO MEMORY CELL (NO)
14: OUTPUT TO DISKETTE (YES)

RECAPTURE GEAR

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (DIGIT)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (YES)
15: MINIMUM LENGTH (0)
15: EXACT LENGTH TABLE (YES: 3)
15: RANGE (NO)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (LEFT)
15: FILL CHARACTER ( )
15: FLOAT CHARACTER ( )
15: DECIMAL POSITIONS (0)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (NO)
15: BRANCHING (NO)
15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (YES)

DAYS OUT

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (DIGIT)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (YES)
16: MINIMUM LENGTH (0)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (RIGHT)
16: FILL CHARACTER ( )
16: FLOAT CHARACTER ( )
16: DECIMAL POSITIONS (0)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (NO)
16: BRANCHING (NO)
16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (YES)

**DISTANCE TRAVELLED**

17: TAB STOP (YES)
17: INPUT TYPE (KEYBOARD)
17: CHARACTER TYPE (PRINTABLE)
17: SECURITY FIELD (NO)
17: OVERRIDE ERROR FIELD (YES)
17: MINIMUM LENGTH (0)
17: EXACT LENGTH TABLE (NO)
17: RANGE (NO)
17: ALLOWABLE ENTRY (NO)
17: SUBSTITUTION (NO)
17: JUSTIFICATION (RIGHT)
17: FILL CHARACTER ( )
17: FLOAT CHARACTER ( )
17: DECIMAL POSITIONS (0)
17: SIGN POSITION (LEADING)
17: AUTO CLOSE (YES)
17: ARITHMETIC OPERATION (NO)
17: AUTO FILL-IN (NO)
17: NEXT PAGE NUMBER (NO)
17: BRANCHING (NO)
17: AUTO-INCREMENT (NO)
17: OUTPUT TO MEMORY CELL (NO)
17: OUTPUT TO DISKETTE (YES)

**RECAPTURE LENGTH**

18: TAB STOP (YES)
18: INPUT TYPE (KEYBOARD)
18: CHARACTER TYPE (DIGIT)
18: SECURITY FIELD (NO)
18: OVERRIDE ERROR FIELD (YES)
18: MINIMUM LENGTH (0)
18: EXACT LENGTH TABLE (NO)
18: RANGE (NO)
18: ALLOWABLE ENTRY (NO)
18: SUBSTITUTION (NO)
18: JUSTIFICATION (RIGHT)
18: FILL CHARACTER ( )
18: FLOAT CHARACTER ( )
18: DECIMAL POSITIONS (0)
18: SIGN POSITION (LEADING)
18: AUTO CLOSE (YES)
18: ARITHMETIC OPERATION (NO)
18: AUTO FILL-IN (NO)
18: NEXT PAGE NUMBER (NO)
18: BRANCHING (NO)
18: AUTO-INCREMENT (NO)
18: OUTPUT TO MEMORY CELL (NO)
18: OUTPUT TO DISKETTE (YES)

RECAPTURE WEIGHT

19: TAB STOP (YES)
19: INPUT TYPE (KEYBOARD)
19: CHARACTER TYPE (PRINTABLE)
19: SECURITY FIELD (NO)
19: OVERRIDE ERROR FIELD (YES)
19: MINIMUM LENGTH (0)
19: EXACT LENGTH TABLE (NO)
19: RANGE (NO)
19: ALLOWABLE ENTRY (NO)
19: SUBSTITUTION (NO)
19: JUSTIFICATION (RIGHT)
19: FILL CHARACTER ( )
19: FLOAT CHARACTER ( )
19: DECIMAL POSITIONS (0)
19: SIGN POSITION (LEADING)
19: AUTO CLOSE (YES)
19: ARITHMETIC OPERATION (NO)
19: AUTO FILL-IN (NO)
19: NEXT PAGE NUMBER (NO)
19: BRANCHING (NO)
19: AUTO-INCREMENT (NO)
19: OUTPUT TO MEMORY CELL (NO)
19: OUTPUT TO DISKETTE (YES)

RECAPTURE MATURITY

20: TAB STOP (YES)
20: INPUT TYPE (KEYBOARD)
20: CHARACTER TYPE (DIGIT)
20: SECURITY FIELD (NO)
20: OVERRIDE ERROR FIELD (YES)
20: MINIMUM LENGTH (0)
20: EXACT LENGTH TABLE (NO)
20: RANGE (NO)
20: ALLOWABLE ENTRY (NO)
20: SUBSTITUTION (NO)
20: JUSTIFICATION (LEFT)
20: FILL CHARACTER ( )
20: FLOAT CHARACTER ( )
20: DECIMAL POSITIONS (0)
20: SIGN POSITION (LEADING)
20: AUTO CLOSE (YES)
20: ARITHMETIC OPERATION (NO)
20: AUTO FILL-IN (NO)
20: NEXT PAGE NUMBER (NO)
20: BRANCHING (NO)
20: AUTO-INCREMENT (NO)
20: OUTPUT TO MEMORY CELL (NO)
20: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

VARIABLE FIELD #1

```
21:  TAB STOP  (YES)
21:  INPUT TYPE  (KEYBOARD)
21:  CHARACTER TYPE  (PRINTABLE)
21:  SECURITY FIELD  (NO)
21:  OVERRIDE ERROR FIELD  (NO)
21:  MINIMUM LENGTH  (0)
21:  EXACT LENGTH TABLE  (NO)
21:  RANGE  (NO)
21:  ALLOWABLE ENTRY  (NO)
21:  SUBSTITUTION  (NO)
21:  JUSTIFICATION  (LEFT)
21:  FILL CHARACTER  ( )
21:  FLOAT CHARACTER  ( )
21:  DECIMAL POSITIONS  (0)
21:  SIGN POSITION  (LEADING)
21:  AUTO CLOSE  (YES)
21:  ARITHMETIC OPERATION  (NO)
21:  AUTO FILL-IN  (NO)
21:  NEXT PAGE NUMBER  (NO)
21:  BRANCHING  (NO)
21:  AUTO-INCREMENT  (NO)
21:  OUTPUT TO MEMORY CELL  (NO)
21:  OUTPUT TO DISKETTE  (YES)
```

VARIABLE FIELD #2

```
22:  TAB STOP  (YES)
22:  INPUT TYPE  (KEYBOARD)
22:  CHARACTER TYPE  (PRINTABLE)
22:  SECURITY FIELD  (NO)
22:  OVERRIDE ERROR FIELD  (NO)
22:  MINIMUM LENGTH  (0)
22:  EXACT LENGTH TABLE  (NO)
22:  RANGE  (NO)
22:  ALLOWABLE ENTRY  (NO)
22:  SUBSTITUTION  (NO)
22:  JUSTIFICATION  (LEFT)
22:  FILL CHARACTER  ( )
22:  FLOAT CHARACTER  ( )
22:  DECIMAL POSITIONS  (0)
22:  SIGN POSITION  (LEADING)
22:  AUTO CLOSE  (YES)
22:  ARITHMETIC OPERATION  (NO)
22:  AUTO FILL-IN  (NO)
22:  NEXT PAGE NUMBER  (NO)
22:  BRANCHING  (NO)
22:  AUTO-INCREMENT  (NO)
22:  OUTPUT TO MEMORY CELL  (NO)
22:  OUTPUT TO DISKETTE  (YES)
```

VARIABLE FIELD #3

```
23:  TAB STOP  (YES)
23:  INPUT TYPE  (KEYBOARD)
23:  CHARACTER TYPE  (PRINTABLE)
23:  SECURITY FIELD  (NO)
23:  OVERRIDE ERROR FIELD  (NO)
23:  MINIMUM LENGTH  (0)
23:  EXACT LENGTH TABLE  (NO)
23:  RANGE  (NO)
23:  ALLOWABLE ENTRY  (NO)
23:  SUBSTITUTION  (NO)
23:  JUSTIFICATION  (LEFT)
23:  FILL CHARACTER  ( )
23:  FLOAT CHARACTER  ( )
23:  DECIMAL POSITIONS  (0)
23:  SIGN POSITION  (LEADING)
23:  AUTO CLOSE  (YES)
23:  ARITHMETIC OPERATION  (NO)
23:  AUTO FILL-IN  (NO)
23:  NEXT PAGE NUMBER  (NO)
23:  BRANCHING  (NO)
23:  AUTO-INCREMENT  (NO)
23:  OUTPUT TO MEMORY CELL  (NO)
23:  OUTPUT TO DISKETTE  (YES)
```

VARIABLE FIELD #4

```
24:  TAB STOP  (YES)
24:  INPUT TYPE  (KEYBOARD)
24:  CHARACTER TYPE  (PRINTABLE)
24:  SECURITY FIELD  (NO)
24:  OVERRIDE ERROR FIELD  (NO)
24:  MINIMUM LENGTH  (0)
24:  EXACT LENGTH TABLE  (NO)
24:  RANGE  (NO)
24:  ALLOWABLE ENTRY  (NO)
24:  SUBSTITUTION  (NO)
24:  JUSTIFICATION  (LEFT)
24:  FILL CHARACTER  ( )
24:  FLOAT CHARACTER  ( )
24:  DECIMAL POSITIONS  (0)
24:  SIGN POSITION  (LEADING)
24:  AUTO CLOSE  (YES)
24:  ARITHMETIC OPERATION  (NO)
24:  AUTO FILL-IN  (NO)
24:  NEXT PAGE NUMBER  (NO)
24:  BRANCHING  (NO)
24:  AUTO-INCREMENT  (NO)
24:  OUTPUT TO MEMORY CELL  (NO)
24:  OUTPUT TO DISKETTE  (YES)
```

VARIABLE FIELD #5

```
25:  TAB STOP  (YES)
25:  INPUT TYPE  (KEYBOARD)
25:  CHARACTER TYPE  (PRINTABLE)
25:  SECURITY FIELD  (NO)
25:  OVERRIDE ERROR FIELD  (NO)
25:  MINIMUM LENGTH  (0)
25:  EXACT LENGTH TABLE  (NO)
25:  RANGE  (NO)
25:  ALLOWABLE ENTRY  (NO)
25:  SUBSTITUTION  (NO)
25:  JUSTIFICATION  (LEFT)
25:  FILL CHARACTER  ( )
25:  FLOAT CHARACTER  ( )
25:  DECIMAL POSITIONS  (0)
25:  SIGN POSITION  (LEADING)
25:  AUTO CLOSE  (YES)
25:  ARITHMETIC OPERATION  (NO)
25:  AUTO FILL-IN  (NO)
25:  NEXT PAGE NUMBER  (NO)
25:  BRANCHING  (NO)
25:  AUTO-INCREMENT  (NO)
25:  OUTPUT TO MEMORY CELL  (NO)
25:  OUTPUT TO DISKETTE  (YES)
```

LOAD RECORD TYPE: ONE

```
26:  TAB STOP  (YES)
26:  INPUT TYPE  (KEYBOARD)
26:  CHARACTER TYPE  (PRINTABLE)
26:  SECURITY FIELD  (NO)
26:  OVERRIDE ERROR FIELD  (NO)
26:  MINIMUM LENGTH  (0)
26:  EXACT LENGTH TABLE  (NO)
26:  RANGE  (NO)
26:  ALLOWABLE ENTRY  (NO)
26:  SUBSTITUTION  (NO)
26:  JUSTIFICATION  (LEFT)
26:  FILL CHARACTER  ( )
26:  FLOAT CHARACTER  ( )
26:  DECIMAL POSITIONS  (0)
26:  SIGN POSITION  (LEADING)
26:  AUTO CLOSE  (YES)
26:  ARITHMETIC OPERATION  (NO)
26:  AUTO FILL-IN  (NO)
26:  NEXT PAGE NUMBER  (YES - PAGE 1)
26:  BRANCHING  (TEST  LINE: 23  POSITION: 00
    ERASURE OF BRANCHED OVER FIELDS:

      BRANCH: MINIMUM LENGTH  (0)
     BRANCH: MAXIMUM LENGTH  (1)
     BRANCH: EXACT LENGTH TABLE  (NO)
    BRANCH: RANGE  (NO)
     BRANCH: ALLOWABLE ENTRY  (YES - RAM:
     X;))
26:  AUTO-INCREMENT  (NO)
26:  OUTPUT TO MEMORY CELL  (NO)
26:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
TWO

```
27:  TAB STOP  (YES)
27:  INPUT TYPE  (KEYBOARD)
27:  CHARACTER TYPE  (PRINTABLE)
27:  SECURITY FIELD  (NO)
27:  OVERRIDE ERROR FIELD  (NO)
27:  MINIMUM LENGTH  (0)
27:  EXACT LENGTH TABLE  (NO)
27:  RANGE  (NO)
27:  ALLOWABLE ENTRY  (NO)
27:  SUBSTITUTION  (NO)
27:  JUSTIFICATION  (LEFT)
27:  FILL CHARACTER  ( )
27:  FLOAT CHARACTER  ( )
27:  DECIMAL POSITIONS  (0)
27:  SIGN POSITION  (LEADING)
27:  AUTO CLOSE  (YES)
27:  ARITHMETIC OPERATION  (NO)
27:  AUTO FILL-IN  (NO)
27:  NEXT PAGE NUMBER  (YES - PAGE 2)
27:  BRANCHING  (TEST  LINE: 23  POSITION: 80
    ERASURE OF BRANCHED OVER FIELDS:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
27:  AUTO-INCREMENT  (NO)
27:  OUTPUT TO MEMORY CELL  (NO)
27:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
THREE

```
28:  TAB STOP  (YES)
28:  INPUT TYPE  (KEYBOARD)
28:  CHARACTER TYPE  (PRINTABLE)
28:  SECURITY FIELD  (NO)
28:  OVERRIDE ERROR FIELD  (NO)
28:  MINIMUM LENGTH  (0)
28:  EXACT LENGTH TABLE  (NO)
28:  RANGE  (NO)
28:  ALLOWABLE ENTRY  (NO)
28:  SUBSTITUTION  (NO)
28:  JUSTIFICATION  (LEFT)
28:  FILL CHARACTER  ( )
28:  FLOAT CHARACTER  ( )
28:  DECIMAL POSITIONS  (0)
28:  SIGN POSITION  (LEADING)
28:  AUTO CLOSE  (YES)
28:  ARITHMETIC OPERATION  (NO)
28:  AUTO FILL-IN  (NO)
28:  NEXT PAGE NUMBER  (YES - PAGE 3)
28:  BRANCHING  (TEST  LINE: 23  POSITION: 80
    ERASURE OF BRANCHED OVER FIELDS:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
28:  AUTO-INCREMENT  (NO)
28:  OUTPUT TO MEMORY CELL  (NO)
28:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD
RECORD TYPE:
FOUR
```

```
29:  TAB STOP  (YES)
29:  INPUT TYPE  (KEYBOARD)
29:  CHARACTER TYPE  (PRINTABLE)
29:  SECURITY FIELD  (NO)
29:  OVERRIDE ERROR FIELD  (NO)
29:  MINIMUM LENGTH  (0)
29:  EXACT LENGTH TABLE  (NO)
29:  RANGE  (NO)
29:  ALLOWABLE ENTRY  (NO)
29:  SUBSTITUTION  (NO)
29:  JUSTIFICATION  (LEFT)
29:  FILL CHARACTER  ( )
29:  FLOAT CHARACTER  ( )
29:  DECIMAL POSITIONS  (0)
29:  SIGN POSITION  (LEADING)
29:  AUTO CLOSE  (YES)
29:  ARITHMETIC OPERATION  (NO)
29:  AUTO FILL-IN  (NO)
29:  NEXT PAGE NUMBER  (YES - PAGE 4)
29:  BRANCHING  (TEST  LINE: 23  POSITION: 80
    ERASURE OF BRANCHED OVER FIELDS:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
29:  AUTO-INCREMENT  (NO)
29:  OUTPUT TO MEMORY CELL  (NO)
29:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD
RECORD TYPE:
FIVE
```

```
30:  TAB STOP  (YES)
30:  INPUT TYPE  (KEYBOARD)
30:  CHARACTER TYPE  (PRINTABLE)
30:  SECURITY FIELD  (NO)
30:  OVERRIDE ERROR FIELD  (NO)
30:  MINIMUM LENGTH  (0)
30:  EXACT LENGTH TABLE  (NO)
30:  RANGE  (NO)
30:  ALLOWABLE ENTRY  (NO)
30:  SUBSTITUTION  (NO)
30:  JUSTIFICATION  (LEFT)
30:  FILL CHARACTER  ( )
30:  FLOAT CHARACTER  ( )
30:  DECIMAL POSITIONS  (0)
30:  SIGN POSITION  (LEADING)
30:  AUTO CLOSE  (YES)
30:  ARITHMETIC OPERATION  (NO)
30:  AUTO FILL-IN  (NO)
30:  NEXT PAGE NUMBER  (YES - PAGE 5)
30:  BRANCHING  (TEST  LINE: 23  POSITION: 80
    ERASURE OF BRANCHED OVER FIELDS:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
30:  AUTO-INCREMENT  (NO)
30:  OUTPUT TO MEMORY CELL  (NO)
30:  OUTPUT TO DISKETTE  (NO)
```

```
LOAD
RECORD TYPE:
SIX
                31:  TAB STOP  (YES)
                31:  INPUT TYPE  (KEYBOARD)
                31:  CHARACTER TYPE  (PRINTABLE)
                31:  SECURITY FIELD  (NO)
                31:  OVERRIDE ERROR FIELD  (NO)
                31:  MINIMUM LENGTH  (0)
                31:  EXACT LENGTH TABLE  (NO)
                31:  RANGE  (NO)
                31:  ALLOWABLE ENTRY  (NO)
                31:  SUBSTITUTION  (NO)
                31:  JUSTIFICATION  (LEFT)
                31:  FILL CHARACTER  ( )
                31:  FLOAT CHARACTER  ( )
                31:  DECIMAL POSITIONS  (0)
                31:  SIGN POSITION  (LEADING)
                31:  AUTO CLOSE  (YES)
                31:  ARITHMETIC OPERATION  (NO)
                31:  AUTO FILL-IN  (NO)
                31:  NEXT PAGE NUMBER  (YES - PAGE 6)
                31:  BRANCHING  (TEST  LINE: 23  POSITION: 80
                    ERASURE OF BRANCHED OVER FIELDS:

                     BRANCH: MINIMUM LENGTH  (0)
                    BRANCH: MAXIMUM LENGTH  (1)
                    BRANCH: EXACT LENGTH TABLE  (NO)
                   BRANCH: RANGE  (NO)
                    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                    X;))
                31:  AUTO-INCREMENT  (NO)
                31:  OUTPUT TO MEMORY CELL  (NO)
                31:  OUTPUT TO DISKETTE  (NO)

LOAD
RECORD TYPE:
SEVEN
                32:  TAB STOP  (YES)
                32:  INPUT TYPE  (KEYBOARD)
                32:  CHARACTER TYPE  (PRINTABLE)
                32:  SECURITY FIELD  (NO)
                32:  OVERRIDE ERROR FIELD  (NO)
                32:  MINIMUM LENGTH  (0)
                32:  EXACT LENGTH TABLE  (NO)
                32:  RANGE  (NO)
                32:  ALLOWABLE ENTRY  (NO)
                32:  SUBSTITUTION  (NO)
                32:  JUSTIFICATION  (LEFT)
                32:  FILL CHARACTER  ( )
                32:  FLOAT CHARACTER  ( )
                32:  DECIMAL POSITIONS  (0)
                32:  SIGN POSITION  (LEADING)
                32:  AUTO CLOSE  (YES)
                32:  ARITHMETIC OPERATION  (NO)
                32:  AUTO FILL-IN  (NO)
                32:  NEXT PAGE NUMBER  (YES - PAGE 7)
                32:  BRANCHING  (TEST  LINE: 23  POSITION: 80
                    ERASURE OF BRANCHED OVER FIELDS:

                     BRANCH: MINIMUM LENGTH  (0)
                    BRANCH: MAXIMUM LENGTH  (1)
                    BRANCH: EXACT LENGTH TABLE  (NO)
                   BRANCH: RANGE  (NO)
                    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
                    X;))
                32:  AUTO-INCREMENT  (NO)
                32:  OUTPUT TO MEMORY CELL  (NO)
                32:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
EIGHT

```
33:  TAB STOP  (YES)
33:  INPUT TYPE  (KEYBOARD)
33:  CHARACTER TYPE  (PRINTABLE)
33:  SECURITY FIELD  (NO)
33:  OVERRIDE ERROR FIELD  (NO)
33:  MINIMUM LENGTH  (0)
33:  EXACT LENGTH TABLE  (NO)
33:  RANGE  (NO)
33:  ALLOWABLE ENTRY  (NO)
33:  SUBSTITUTION  (NO)
33:  JUSTIFICATION  (LEFT)
33:  FILL CHARACTER  ( )
33:  FLOAT CHARACTER  ( )
33:  DECIMAL POSITIONS  (0)
33:  SIGN POSITION  (LEADING)
33:  AUTO CLOSE  (YES)
33:  ARITHMETIC OPERATION  (NO)
33:  AUTO FILL-IN  (NO)
33:  NEXT PAGE NUMBER  (NO)
33:  BRANCHING  (NO)
33:  AUTO-INCREMENT  (NO)
33:  OUTPUT TO MEMORY CELL  (NO)
33:  OUTPUT TO DISKETTE  (NO)
```

LOAD
RECORD TYPE:
NINE

```
34:  TAB STOP  (YES)
34:  INPUT TYPE  (KEYBOARD)
34:  CHARACTER TYPE  (PRINTABLE)
34:  SECURITY FIELD  (NO)
34:  OVERRIDE ERROR FIELD  (NO)
34:  MINIMUM LENGTH  (0)
34:  EXACT LENGTH TABLE  (NO)
34:  RANGE  (NO)
34:  ALLOWABLE ENTRY  (NO)
34:  SUBSTITUTION  (NO)
34:  JUSTIFICATION  (LEFT)
34:  FILL CHARACTER  ( )
34:  FLOAT CHARACTER  ( )
34:  DECIMAL POSITIONS  (0)
34:  SIGN POSITION  (LEADING)
34:  AUTO CLOSE  (YES)
34:  ARITHMETIC OPERATION  (NO)
34:  AUTO FILL-IN  (NO)
34:  NEXT PAGE NUMBER  (YES - PAGE 8)
34:  BRANCHING  (TEST  LINE: 23  POSITION: 80
    ERASURE OF BRANCHED OVER FIELDS:

     BRANCH: MINIMUM LENGTH  (0)
    BRANCH: MAXIMUM LENGTH  (1)
    BRANCH: EXACT LENGTH TABLE  (NO)
   BRANCH: RANGE  (NO)
    BRANCH: ALLOWABLE ENTRY  (YES - RAM:
    X;))
34:  AUTO-INCREMENT  (NO)
34:  OUTPUT TO MEMORY CELL  (NO)
34:  OUTPUT TO DISKETTE  (NO)
```

## APPENDIX B-3: DIRECTORY FOR DATA ENTRY DISKETTE

| File Name | Size |
|---|---|
| ACTION | 10 |
| BIOFORM-00 | 155 |
| BIOFORM-01 | 3276 |
| BIOFORM-02 | 1768 |
| BIOFORM-03 | 1887 |
| BIOFORM-04 | 2284 |
| BIOFORM-05 | 2704 |
| BIOFORM-06 | 2483 |
| BIOFORM-07 | 3250 |
| BIOFORM-08 | 2121 |
| LAYOUT 01 | 1158 |
| LAYOUT 02 | 573 |
| LAYOUT 03 | 751 |
| LAYOUT 04 | 843 |
| LAYOUT 05 | 988 |
| LAYOUT 06 | 926 |
| LAYOUT 07 | 1061 |
| LAYOUT 08 | 851 |
| SEX | 31 |

# APPENDIX B-4: ALLOWABLE ENTRY AND SUBSTITUTION FILES

File: Action

A;C;D; ;

File : Sex

M,1;
F,2;
U,3;
1,1;
2,2;
3,3;

APPENDIX C-1.

Output from the update program

NM 100 R1 NORTH CAROLINA DIVISION OF MARINE FISHERIES PAGE 1

UPDATE ACTIVITY REPORT DATE 04/26/84

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 1 | 7201385 | | | | RECORD CHANGED | | 1007212053 02140C010C 553800100 |
| 3 | 7300524 | 01 | 8E352803C3-0 | | RECORD ADDED | | 000C2999999CC0C2999999CC0C29999992 |
| 4 | 7300524 | 01 | 8E352803C3-0 | C01 | RECORD ADDED | | 0010100 |
| 4 | 7300524 | 01 | 8E352803C3-0 | CC2 | RECORD ADDED | | 001C090 |
| 3 | 7300524 | 01 | 8E352809C1-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 7300524 | 01 | 8E352809C1-0 | CC1 | RECORD DELETED | | 1111111 |
| 3 | 7400498 | 01 | 8E351604C1-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 7400498 | 01 | 8E351604C1-0 | C01 | RECORD DELETED | | 1111111 |
| 3 | 7400498 | 01 | 8E351605C4-0 | | RECORD ADDED | | 000C1999999CC0C1999999CC0C19999992 |
| 4 | 7400498 | 01 | 8E351605C4-0 | CC1 | RECORD ADDED | | 001C068 |
| 3 | 7804666 | 01 | 6177010102-0 | | RECORD CHANGED | | 000C700.0020000700.C02CCCC7CC.0021 |
| 3 | 7804667 | 01 | 6177010102-0 | | RECORD CHANGED | | 0001400.007C001400.C070C014C0.0071 |
| 3 | 7804715 | 01 | 8E35020301-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 7804715 | 01 | 8E35020301-0 | CC1 | RECORD DELETED | | 1111111 |
| 3 | 7804715 | 01 | 8E354C02C1-0 | | RECORD ADDED | | 000C1999999C00C1999999CCCC19999991 |
| 4 | 7804715 | 01 | 8E354C0201-0 | CC1 | RECORD ADDED | | 001C045 |
| 3 | 7804749 | 01 | 8E58010101-0 | | RECORD ADDED | | 000139999999000139999999CCC139999991 |
| 4 | 7804749 | 01 | 8E58010101-0 | CC1 | RECORD ADDED | | 012C055 |
| 4 | 7804749 | C1 | 8E58010101-0 | 002 | RECORD ADDED | | 001C045 |
| 3 | 7804749 | 01 | 8E58020101-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 7804749 | 01 | 8E58C201C1-0 | 0C1 | RECORD DELETED | | 1111111 |
| 4 | 7804749 | 01 | 8E58020101-0 | C02 | RECORD DELETED | | 1111111 |
| 3 | 7804848 | 01 | 8E35020301-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 7804848 | 01 | 8E35020301-0 | 001 | RECORD DELETED | | 1111111 |
| 4 | 7804848 | 01 | 8E35C20301-0 | C02 | RECORD DELETED | | 1111111 |
| 3 | 7804848 | 01 | 8E354C0201-0 | | RECORD ADDED | | 00002999999CC002999999CC0C29999991 |
| 4 | 7804848 | 01 | 8E354C02C1-0 | CC1 | RECORD ADDED | | 001C155 |

| REC. TYPE | SEC. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 4 | 7804848 | 01 | 8E354C02C1-0 | C02 | RECORD ADDED | | 0010205 |
| 4 | 79C3230 | 00 | 8E5703C3C4-0 | C01 | RECORD CHANGED | | 0010038 .0004 31 |
| 3 | 7903338 | 01 | 6177010102-0 | | RECORD CHANGED | | 0C0C800.007CC00800.C070CCCECC.0071 |
| 1 | 7903448 | | | | RECORD CHANGED | | 433791203 CC06CC0000 N19 55301C0 |
| 2 | 7903448 | CC | | | RECORD ADDED | | 999999999999070 |
| 3 | 7903448 | 00 | 8E350203C1-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 79C3448 | 0C | 8E352501C1-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 79C3448 | 00 | 8E3544C1C4-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 7903448 | 00 | 8E35440401-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 79C3448 | C0 | 8E35440600-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 7903448 | 0C | 8E35440701-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 7903448 | 00 | 8E51030103-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 2 | 7903448 | 05 | | | RECORD CHANGED | | 001234001334C00 |
| 3 | 7903448 | 05 | 8E35020301-0 | | RECORD DELETED | | 99999999999999999999999999999990 |
| 3 | 7903448 | 05 | 8E35250101-0 | | RECORD DELETED | | 99999999999999999999999999999990 |
| 3 | 7903448 | 05 | 8E35440104-0 | | RECORD DELETED | | 99999999999999999999999999999990 |
| 3 | 7903448 | 05 | 8E35440401-0 | | RECORD DELETED | | 99999999999999999999999999999990 |
| 3 | 7903448 | 05 | 8E35440600-0 | | RECORD DELETED | | 99999999999999999999999999999990 |
| 3 | 7903448 | 05 | 8E35440701-0 | | RECORD DELETED | | 99999999999999999999999999999990 |
| 3 | 7903448 | 05 | 8E51030103-0 | | RECORD DELETED | | 99999999999999999999999999999990 |
| 1 | 7903449 | | | | RECORD CHANGED | | 433791210 C006020000 N19 553 |
| 2 | 7903449 | CC | | | RECORD ADDED | | 999999999999100 |
| 3 | 7903449 | 00 | 570C0C0C00-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 7903449 | 00 | 8729010105-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 79C3449 | 00 | 8E350203C1-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 7903449 | 00 | 8E35250101-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 79C3449 | C0 | 8E35440104-0 | | RECORD ADDED | | 99999999999999999999999999999990 |

UPCATE ACTIVITY REPORT

DATE 04/26/84

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPCATE MESSACE | ERROR MESSAGE | DATA FROM TRANSACTICN |
|---|---|---|---|---|---|---|---|
| 3 | 7903449 | 0C | 8E35440401-0 | | RECORD ADDEC | | 99959999999999999999999999999999990 |
| 3 | 7903449 | 00 | 8E354406C0-0 | | RECCRD ADDED | | 99959999999999999999999999999999990 |
| 3 | 7903449 | 00 | 8E35440701-0 | | RECORC ADDED | | 99999999999999999999999999999999990 |
| 3 | 79C3449 | 0C | 8E51030103-0 | | RECORC ADCED | | 99999999999999999999999999999999990 |
| 3 | 7903449 | 00 | 8E57030301-2 | | RECORC ADCED | | 99959999999900010999999CCC1C9999992 |
| 4 | 79C3449 | 00 | 8E57030301-2 | CC1 | RECORC ADCED | | 001C290 |
| 4 | 79C3449 | 0C | 8E57030301-2 | 002 | RECORC ADCEC | | 001C302 |
| 4 | 7903449 | CC | 8E57030301-2 | 003 | RECORC ADCED | | 001C270 |
| 4 | 7903449 | 00 | 8E57030301-2 | CC4 | RECCRC ADCED | | 0010265 |
| 4 | 79C3449 | 00 | 8E57030301-2 | C05 | RECORC ADCED | | 0010278 |
| 4 | 79C3449 | 00 | 8E57030301-2 | CC6 | RECORC ADCED | | 001C305 |
| 4 | 79C3449 | 00 | 8E57030301-2 | 007 | RECORC ADCEC | | 001C264 |
| 4 | 7903449 | 0C | 8E57030301-2 | 0C8 | RECORD ADCED | | 001C255 |
| 4 | 7903449 | 00 | 8E57030301-2 | 009 | RECCRD ADDED | | 0010283 |
| 4 | 7903449 | 00 | 8E57C303C1-2 | 010 | RECORC ADCED | | 0010258 |
| 2 | 7903449 | 05 | | | RECORC CHANGED | | 001212001212000 |
| 3 | 7903449 | 05 | 570C0C000C-0 | | RECORD DELETED | | 99959999999999999999999999999999990 |
| 3 | 7903449 | C5 | 8729010105-0 | | RECORD DELETEC | | 99959999999999999999999999999999990 |
| 3 | 7903449 | 05 | 8E350203C1-0 | | RECORD DELETED | | 99959999999999999999999999999999990 |
| 3 | 7903449 | 05 | 8E352501C1-0 | | RECCRD DELETED | | 99959999999999999999999999999999990 |
| 3 | 79C3449 | 05 | 8E35440104-0 | | RECORC DELETED | | 99999999999999999999999999999999990 |
| 3 | 79C3449 | 05 | 8E35440401-0 | | RECORC DELETED | | 99999999999999999999999999999999990 |
| 3 | 79C3449 | 05 | 8E35440600-0 | | RECORC DELETED | | 99959999999999999999999999999999990 |
| 3 | 7903449 | C5 | 8E35440701-0 | | RECORD DELETED | | 99959999999999999999999999999999990 |
| 3 | 7903449 | 05 | 8E51030103-0 | | RECCRD DELETED | | 99959999999999999999999999999999990 |
| 3 | 7903449 | 05 | 8E570303C1-2 | | RECORC DELETED | | 99999999999C001C999999CC01C9999992 |
| 4 | 7903449 | 05 | 8E570303C1-2 | CC1 | RECORC DELETED | | 1111111 |

| REC. TYPE | SEC. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 4 | 7903449 | 05 | 8E57030301-2 | 002 | RECORD DELETED | | 1111111 |
| 4 | 7903449 | 05 | 8E570303C1-2 | 003 | RECORD DELETED | | 1111111 |
| 4 | 7903449 | 05 | 8E57030301-2 | CC4 | RECORD DELETED | | 1111111 |
| 4 | 7903449 | 05 | 8E57030301-2 | 005 | RECORD DELETED | | 1111111 |
| 4 | 7903449 | 05 | 8E57030301-2 | CC6 | RECORD DELETED | | 1111111 |
| 4 | 7903449 | 05 | 8E57030301-2 | 007 | RECORD DELETED | | 1111111 |
| 4 | 7903449 | 05 | 8E57030301-2 | 0C8 | RECORD DELETED | | 1111111 |
| 4 | 7903449 | 05 | 8E57030301-2 | CC9 | RECORD DELETED | | 1111111 |
| 4 | 7903449 | 05 | 8E57030301-2 | C1C | RECORD DELETED | | 1111111 |
| 1 | 7903450 | | | | RECORD CHANGED | | 433791213 CC06CC0000 N1S 553 |
| 2 | 7903450 | 0C | | | RECORD ADDED | | 9999999959999120 |
| 3 | 7903450 | 00 | 5105070100-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 00 | 570C0CCC00-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 00 | 5708010200-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | CC | 8729010105-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | CC | 8E35020301-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | C0 | 8E352501C1-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 00 | 8E35440104-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 00 | 8E35440401-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 00 | 8E35440401-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | CC | 8E35440600-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 00 | 8E35440701-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 00 | 8E51030103-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 0C | 8E61010201-C | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 2 | 7903450 | 06 | | | RECORD CHANGED | | 003141003141000 |
| 3 | 7903450 | C6 | 5105070100-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | C6 | 5700000000-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |

UPDATE ACTIVITY REPORT DATE 04/26/84

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 3 | 7903450 | 06 | 5708010200-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 06 | 8729010105-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 06 | 8835020301-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 06 | 8835250101-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 06 | 8835440104-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 06 | 8835440401-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 06 | 8835440600-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 06 | 8835440701-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 06 | 8851030103-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 7903450 | 06 | 8861010201-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002854 | 01 | 8835020102-0 | | RECORD ADDED | | 000019999990000199999900001999997 |
| 4 | 8002854 | 01 | 8835020102-0 | 001 | RECORD ADDED | | 0010225 3 |
| 3 | 8002854 | 01 | 8835160602-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8002854 | 01 | 8835160602-0 | 001 | RECORD DELETED | | 1111111 |
| 3 | 8002872 | 01 | 8835200101-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8002872 | 01 | 8835200101-0 | 001 | RECORD DELETED | | 1111111 |
| 3 | 8002872 | 01 | 8835520101-0 | | RECORD ADDED | | 000019999990000199999900001999991 |
| 4 | 8002872 | 01 | 8835520101-0 | 001 | RECORD ADDED | | 0010055 |
| 3 | 8002880 | 01 | 8835020301-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8002880 | 01 | 8835020301-0 | 001 | RECORD DELETED | | 1111111 |
| 3 | 8002880 | 01 | 8835200101-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8002880 | 01 | 8835200101-0 | 001 | RECORD DELETED | | 1111111 |
| 3 | 8002880 | 01 | 8835400201-0 | | RECORD ADDED | | 000069999990000699999900006999991 |
| 4 | 8002880 | 01 | 8835400201-0 | 001 | RECORD ADDED | | 0060105 |
| 3 | 8002880 | 01 | 8835520101-0 | | RECORD ADDED | | 000029999990000299999900002999991 |
| 4 | 8002880 | 01 | 8835520101-0 | 001 | RECORD ADDED | | 0020065 |
| 1 | 8002995 | | | | RECORD CHANGED | | 433801125 0006000000 N19 553 |

| REC. TYPE | SEC. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 2 | 8002995 | 00 | | | RECORD ADDED | | 999999999999C60 |
| 3 | 8002995 | 00 | 570000000C-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 00 | 8E35440102-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 00 | 8E35440104-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 00 | 8E354406C0-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 00 | 8E51030103-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 00 | 8E57030301-2 | | RECORD ADDED | | 999999999990C001099999CCC1C9999992 |
| 4 | 8002995 | 00 | 8E570303C1-2 | CC1 | RECORD ADDED | | 0010222 |
| 4 | 8002995 | 00 | 8E57030301-2 | CC2 | RECORD ADDED | | 0010204 |
| 4 | 8002995 | 00 | 8E57030301-2 | 003 | RECORD ADDED | | 0010280 |
| 4 | 8002995 | 00 | 8E570303C1-2 | C04 | RECORD ADDED | | 0010269 |
| 4 | 8002995 | 00 | 8E57030301-2 | CC5 | RECORD ADDED | | 0010251 |
| 4 | 8002995 | 00 | 8E5703C3C1-2 | CC6 | RECORD ADDED | | 0010290 |
| 4 | 8002995 | 00 | 8E57030301-2 | CC7 | RECORD ADDED | | 0010261 |
| 4 | 8002995 | 00 | 8E57030301-2 | 008 | RECORD ADDED | | 0010178 |
| 4 | 8002995 | 00 | 8E57030301-2 | CC9 | RECORD ADDED | | 0010284 |
| 4 | 8002995 | 00 | 8E57030301-2 | 010 | RECORD ADDED | | 0010255 |
| 2 | 8002995 | 05 | | | RECORD CHANGED | | 5108.05108.0000 |
| 3 | 8002995 | 05 | 570C0C0000-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 05 | 8E35440102-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 05 | 8E35440104-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 05 | 8E354406C0-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 05 | 8E51030103-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 05 | 8E570303C1-2 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002995 | 05 | 8E57030301-2 | | NOT DELETED | RECORD NOT ON FILE | 99999999999999999999999999999999990 |
| 4 | 8002995 | 05 | 8E57030301-2 | CC1 | RECORD DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 0C1 | NOT DELETED | RECORD NOT ON FILE | 1111111 |

UPDATE ACTIVITY REPORT



| REC. TYPE | SEQ. NER. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 4 | 8002995 | 05 | 8E57030301-2 | CC2 | RECORD DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 002 | NCT DELETED | RECCRC NOT CN FILE | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 0C3 | RECORD DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | C03 | NOT DELETED | RECCRC NOT CN FILE | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 0C4 | RECORC DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | CC4 | NCT CELETED | RECCRD NOT CN FILE | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 005 | RECORD DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | CC5 | NCT DELETED | RECCRC NOT CN FILE | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 0C6 | RECORC DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | CC6 | NOT DELETED | RECCRD NOT CN FILE | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 0C7 | RECORD DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | CC7 | NCT CELETED | RECCRC NOT CN FILE | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 0C8 | RECCRD DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 0C8 | NOT DELETED | RECCRC NOT CN FILE | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 0C9 | RECORD DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | CC9 | NOT DELETED | RECCRD NOT ON FILE | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | C1C | RECORC DELETED | | 1111111 |
| 4 | 8002995 | 05 | 8E57030301-2 | 01C | NCT CELETED | RECCRC NOT CN FILE | 1111111 |
| 1 | 8002997 | | | | RECORD CHANGED | | 433801204 0006CC0000 N19 553 |
| 2 | 8002997 | CC | | | RECCRC ADDED | | 9995995999990090 |
| 3 | 8002997 | 00 | 570C0C0CC0-0 | | RECORC ADDED | | 99999999999999999999999999999990 |
| 3 | 8002997 | 0C | 8729010105-0 | | RECORC ADCED | | 99999999999999999999999999999990 |
| 3 | 8002997 | CO | 8E35020301-C | | RECORC ADCEC | | 99999999999999995999999999999990 |
| 3 | 8002997 | 0C | 8E35250101-0 | | RECORD ADDED | | 99999999999999999999999999999990 |
| 3 | 8002997 | 00 | 8E3544C104-0 | | RECORC ADCED | | 99999999999999999999999999999990 |
| 3 | 8002997 | 0C | 8E3544C7C1-0 | | RECCRD ADDED | | 99999999999999999999999999999990 |
| 3 | 8002997 | 00 | 8E5C0305C1-0 | | RECORC ADCED | | 99999999999999999999999999999990 |

| REC. TYPE | SEC. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 3 | 8002997 | 00 | 8E51030103-0 | | RECORD ADDED | | 9999999999999999999999999999999990 |
| 3 | 8002997 | 00 | 8E51030103-0 | | RECORD DELETED | | 9999999999999999999999999999999990 |
| 3 | 8002997 | 00 | 8E57030301-2 | | RECORD ADDED | | 99999999999C0010999999CC01C9999992 |
| 4 | 8002997 | 00 | 8E57030301-2 | CC1 | RECORD ADDED | | 0010290 |
| 4 | 8002997 | CC | 8E57030301-2 | 002 | RECORD ADDED | | 0010200 |
| 4 | 8002997 | 00 | 8E570303C1-2 | CC3 | RECORD ADDED | | 0010264 |
| 4 | 8002997 | 00 | 8E5703C3C1-2 | CC4 | RECORD ADDED | | 0010310 |
| 4 | 8002997 | 00 | 8E570303C1-2 | CC5 | RECORD ADDED | | 0010184 |
| 4 | 8002997 | 00 | 8E57030301-2 | CC6 | RECORD ADDED | | 0010277 |
| 4 | 8002997 | CC | 8E51030301-2 | 007 | RECORD ADDED | | 0020292 |
| 4 | 8002997 | CC | 8E57030301-2 | 008 | RECORD ADDED | | 0010295 |
| 4 | 8002997 | 00 | 8E570303C1-2 | CC9 | RECORD ADDED | | 0010303 |
| 2 | 8002997 | 05 | | | RECORD CHANGED | | 1585.81585.8000 |
| 3 | 8002997 | 05 | 5700000000-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002997 | 05 | 8729010105-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002997 | 05 | 8E350203C1-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002997 | 05 | 8E35250101-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002997 | 05 | 8E35440104-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002997 | 05 | 8E35440701-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002997 | 05 | 8E50020501-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8002997 | 05 | 8E57030301-2 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8002997 | 05 | 8E57030301-2 | 001 | RECORD DELETED | | 1111111 |
| 4 | 8002997 | 05 | 8E570303C1-2 | 002 | RECORD DELETED | | 1111111 |
| 4 | 8002997 | 05 | 8E570303C1-2 | CC3 | RECORD DELETED | | 1111111 |
| 4 | 8002997 | 05 | 8E570303C1-2 | 004 | RECORD DELETED | | 1111111 |
| 4 | 8002997 | 05 | 8E57030301-2 | CC5 | RECORD DELETED | | 1111111 |
| 4 | 8002997 | 05 | 8E57030301-2 | 006 | RECORD DELETED | | 1111111 |

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 4 | 8002997 | 05 | 8E57030301-2 | 007 | RECORD DELETED | | 1111111 |
| 4 | 8002997 | 05 | 8E57030301-2 | 008 | RECORD DELETED | | 1111111 |
| 4 | 8002997 | 05 | 8E57030301-2 | 009 | RECORD DELETED | | 1111111 |
| 1 | 8003000 | | | | RECORD CHANGED | | 433801217 CC06C100CC N19 553 |
| 2 | 8003000 | 00 | | | RECORD ADDED | | 999599999995080 |
| 3 | 8003000 | 00 | 5700000000-0 | | RECORD ADDED | | 99959999999999999999599555555555990 |
| 3 | 8003000 | 00 | 8729010105-0 | | RECORD ADDED | | 99959999999999999999599599599599990 |
| 3 | 8003000 | 00 | 8E352501C1-0 | | RECORD ADDED | | 99959999995555555555599555555559990 |
| 3 | 8003000 | 00 | 8E35440104-0 | | RECORD ADDED | | 99999999999555555555599555555999990 |
| 3 | 8003000 | 00 | 8E35440701-0 | | RECORD ADDED | | 99959999999599995995599555555559990 |
| 3 | 8003000 | 00 | 8E50030102-0 | | RECORD ADDED | | 99999999999999995999599555555559990 |
| 3 | 8003000 | 00 | 8E51030103-0 | | RECORD ADDED | | 99959999999999995999599555555559990 |
| 3 | 8003000 | 00 | 8E57030301-2 | | RECORD ADDED | | 99959999599C0004999599000045555992 |
| 4 | 8003000 | 00 | 8E57030301-2 | 001 | RECORD ADDED | | 0010223 |
| 4 | 8003000 | 00 | 8E57030301-2 | 002 | RECORD ADDED | | 0010232 |
| 4 | 8003000 | 00 | 8E57030301-2 | 003 | RECORD ADDED | | 0010196 |
| 4 | 8003000 | 00 | 8E57030301-2 | 004 | RECORD ADDED | | 0010214 |
| 2 | 8003000 | 05 | | | RECORD CHANGED | | 883C.2883C.2000 |
| 3 | 8003000 | 05 | 5700000000-0 | | RECORD DELETED | | 99959995555555599995999995555555990 |
| 3 | 8003000 | 05 | 8729010105-0 | | RECORD DELETED | | 99959999599555599995999995555599990 |
| 3 | 8003000 | 05 | 8E352501C1-0 | | RECORD DELETED | | 99999999995999555559999555555559990 |
| 3 | 8003000 | 05 | 8E35440104-0 | | RECORD DELETED | | 99959999999999995999599555555559990 |
| 3 | 8003000 | 05 | 8E35440701-0 | | RECORD DELETED | | 99959999999999995999599555555559990 |
| 3 | 8003000 | 05 | 8E50030102-0 | | RECORD DELETED | | 99959995999999995999599955995559990 |
| 3 | 8003000 | 05 | 8E51030103-0 | | RECORD DELETED | | 99959999599555599995999995555599990 |
| 3 | 8003000 | 05 | 8E57030301-2 | | RECORD DELETED | | 99999999995999599559999555555559990 |
| 4 | 8003000 | 05 | 8E57030301-2 | 001 | RECORD DELETED | | 1111111 |

UPDATE ACTIVITY REPORT DATE 04/26/84

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 4 | 8003000 | 05 | 8E570303C1-2 | 002 | RECORD DELETED | | 1111111 |
| 4 | 8003000 | 05 | 8E570303C1-2 | 003 | RECORD DELETED | | 1111111 |
| 4 | 8003000 | 05 | 8E570303C1-2 | 004 | RECORD DELETED | | 1111111 |
| 4 | 8003000 | 05 | 8E570303C1-2 | 005 | NOT DELETED | RECORD NOT ON FILE | 1111111 |
| 3 | 8101598 | 01 | 8747C106C1-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8101598 | 01 | 8747C106C1-0 | 001 | RECORD DELETED | | 1111111 |
| 3 | 8101598 | 01 | 8E47C106C1-0 | | RECORD ADDED | | 00001999999000019999990000199999992 |
| 4 | 8101598 | 01 | 8E47010601-0 | 001 | RECORD ADDED | | 0010036 |
| 3 | 8101599 | 01 | 8747010601-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8101599 | 01 | 8747010601-0 | 001 | RECORD DELETED | | 1111111 |
| 4 | 8101599 | 01 | 8747C10601-0 | 002 | RECORD DELETED | | 1111111 |
| 4 | 8101599 | 01 | 8747010601-0 | 003 | RECORD DELETED | | 1111111 |
| 4 | 8101599 | 01 | 8747010601-0 | 004 | RECORD DELETED | | 1111111 |
| 4 | 8101599 | 01 | 8747010601-0 | 005 | RECORD DELETED | | 1111111 |
| 4 | 8101599 | 01 | 8747C10601-0 | 006 | RECORD DELETED | | 1111111 |
| 4 | 8101599 | 01 | 8747C106C1-0 | 007 | RECORD DELETED | | 1111111 |
| 4 | 8101599 | 01 | 8747010601-0 | 008 | RECORD DELETED | | 1111111 |
| 4 | 8101599 | 01 | 8747C106C1-0 | 009 | RECORD DELETED | | 1111111 |
| 3 | 8101599 | 01 | 8E470106C1-0 | | RECORD ADDED | | 00009999999000099999990000999999992 |
| 4 | 8101599 | 01 | 8E47010601-0 | 001 | RECORD ADDED | | 0010026 |
| 4 | 8101599 | 01 | 8E47010601-0 | 002 | RECORD ADDED | | 0010040 |
| 4 | 8101599 | 01 | 8E47010601-0 | 003 | RECORD ADDED | | 0010024 |
| 4 | 8101599 | 01 | 8E47C10601-0 | 004 | RECORD ADDED | | 0010040 |
| 4 | 8101599 | 01 | 8E470106C1-0 | 005 | RECORD ADDED | | 0010032 |
| 4 | 8101599 | 01 | 8E47010601-0 | 006 | RECORD ADDED | | 0010031 |
| 4 | 8101599 | 01 | 8E47010601-0 | 007 | RECORD ADDED | | 0010034 |
| 4 | 8101599 | 01 | 8E47C10601-0 | 008 | RECORD ADDED | | 0010028 |

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTICN |
|---|---|---|---|---|---|---|---|
| 4 | 8101599 | 01 | 8E47010601-0 | CC9 | RECORC ADCEC | | 0010029 |
| 3 | 8101758 | 01 | 8E35440301-1 | | RECORD DELETED | | 99999999999999999999999999999990 |
| 4 | 8101758 | 01 | 8E354403C1-1 | CC1 | RECORC DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E354403C1-1 | CC2 | RECORC DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E354403C1-1 | CC3 | RECORC DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E35440301-1 | CC4 | RECORC DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E35440301-1 | 005 | RECORC DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E35440301-1 | 006 | RECORD DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E35440301-1 | CC7 | RECORD DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E354403C1-1 | CC8 | RECORD DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E35440301-1 | CC9 | RECORC DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E35440301-1 | 010 | RECORC DELETED | | 1111111 |
| 4 | 8101758 | 01 | 8E35440301-1 | 011 | RECORD DELETED | | 1111111 |
| 3 | 8101758 | 01 | 8E35440301-2 | | RECORD DELETED | | 99999999999999999999999999999990 |
| 4 | 8101758 | 01 | 8E35440301-2 | CC1 | RECORD DELETED | | 1111111 |
| 3 | 8101758 | 01 | 8E35440401-1 | | RECORC ACCED | | 00334999999C0334999999CC03C5999992 |
| 4 | 8101758 | 01 | 8E35440401-1 | CC1 | RECORC ACCED | | 0050040 |
| 4 | 8101758 | 01 | 8E35440401-1 | CC2 | RECCRC ACCEC | | 005C039 |
| 4 | 8101758 | 01 | 8E35440401-1 | 003 | RECCRC ACCED | | 006C038 |
| 4 | 8101758 | 01 | 8E35440401-1 | 004 | RECORD ADDED | | 001C052 |
| 4 | 8101758 | 01 | 8E354404C1-1 | CC5 | RECORC ADDED | | 0010035 |
| 4 | 8101758 | 01 | 8E354404C1-1 | CC6 | RECORC ADDED | | 0010043 |
| 4 | 8101758 | 01 | 8E35440401-1 | CC7 | RECORC ADCEC | | 002C036 |
| 4 | 8101758 | 01 | 8E35440401-1 | 008 | RECORC ACCEC | | 002C042 |
| 4 | 8101758 | 01 | 8E35440401-1 | 009 | RECCRD ADDED | | 001C033 |
| 4 | 8101758 | 01 | 8E35440401-1 | 010 | RECCRC ADDED | | 0020037 |
| 4 | 8101758 | 01 | 8E35440401-1 | 011 | RECORC ADDED | | 004C041 |

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 3 | 8101758 | 01 | 8E35440401-2 | | RECORD ADDED | | 000029999990000259999900002999999 2 |
| 4 | 8101758 | 01 | 8E35440401-2 | CC1 | RECORD ADDED | | 0010132 |
| 4 | 8101758 | 01 | 8E35440401-2 | CC2 | RECORD ADDED | | 0010126 |
| 3 | 8101780 | 01 | 61770101C3-0 | | RECORD CHANGED | | 000C100.0100000100.C100C00100.0101 |
| 3 | 8101821 | 01 | 8E35020301-0 | | RECORD DELETED | | 000019999999000019999990000199999992 |
| 4 | 8101821 | 01 | 8E35020301-0 | CC1 | RECORD DELETED | | 1111111 |
| 3 | 8101821 | 01 | 8E354C02C1-0 | | RECORD ADDED | | 000019999999000019999990000199999992 |
| 4 | 8101821 | 01 | 8E35400201-0 | CC1 | RECORD ADDED | | 0010141 |
| 4 | 8101832 | 01 | 8747020202-0 | C1C | RECORD CHANGED | | 0010062 |
| 3 | 8101844 | 01 | 8E35200101-0 | | RECORD DELETED | | 999999999999999999999999999999999990 |
| 4 | 8101844 | 01 | 8E352C01C1-0 | CC1 | RECORD DELETED | | 1111111 |
| 4 | 8101844 | 01 | 8E352C0101-0 | CC2 | RECORD DELETED | | 1111111 |
| 3 | 8101844 | 01 | 8E355201C1-0 | | RECORD ADDED | | 000029999999000025999990000299999992 |
| 4 | 8101844 | 01 | 8E355201C1-0 | CC1 | RECORD ADDED | | 0010033 |
| 4 | 8101844 | 01 | 8E35520101-0 | CC2 | RECORD ADDED | | 0010027 |
| 3 | 8101847 | 01 | 8E35200101-0 | | RECORD DELETED | | 999999999999999999999999999999999990 |
| 4 | 8101847 | 01 | 8E352C01C1-0 | 001 | RECORD DELETED | | 1111111 |
| 4 | 8101847 | 01 | 8E352C01C1-0 | 002 | RECORD DELETED | | 1111111 |
| 4 | 8101847 | 01 | 8E352C01C1-0 | CC3 | RECORD DELETED | | 1111111 |
| 4 | 8101847 | 01 | 8E352C0101-0 | CC4 | RECORD DELETED | | 1111111 |
| 3 | 8101847 | 01 | 8E35520101-0 | | RECORD ADDED | | 000C699999990000699999900CCC6999999 2 |
| 4 | 8101847 | 01 | 8E355201C1-0 | 001 | RECORD ADDED | | 002C033 |
| 4 | 8101847 | 01 | 8E355201C1-0 | 002 | RECORD ADDED | | 0010031 |
| 4 | 8101847 | 01 | 8E355201C1-0 | CC3 | RECORD ADDED | | 0010037 |
| 4 | 8101847 | 01 | 8E355201C1-0 | CC4 | RECORD ADDED | | 0020038 |
| 3 | 8101865 | 01 | 8E35200101-0 | | NOT ADDED | RECORD ON FILE | 000C699999990000699999900CCC6999999 2 |
| 3 | 8101865 | 01 | 8E35200101-0 | | RECORD DELETED | | 999999999999999999999999999999999990 |

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPCATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTICN |
|---|---|---|---|---|---|---|---|
| 4 | 8101865 | 01 | 8E352C0101-0 | CC1 | NCT ADCED | RECCRD CN FILE | 002C071 |
| 4 | 8101865 | 01 | 8E352C0101-0 | 001 | RECCRD DELETED | | 1111111 |
| 4 | 8101865 | 01 | 8E352C0101-0 | CC2 | NOT ADDED | RECCRC CN FILE | 0010074 |
| 4 | 8101865 | 01 | 8E352C0101-0 | CC2 | RECORC DELETED | | 1111111 |
| 4 | 8101865 | 01 | 8E352C01C1-C | C03 | NOT ACCED | RECCRD CN FILE | 0010040 |
| 4 | 8101865 | 01 | 8E35200101-0 | CC3 | RECORC DELETED | | 1111111 |
| 4 | 8101865 | 01 | 8E352C0101-0 | 004 | NCT ACCEC | RECCRD CN FILE | 0010064 |
| 4 | 8101865 | 01 | 8E35200101-0 | 004 | RECORD DELETEC | | 1111111 |
| 4 | 8101865 | 01 | 8E352C0101-0 | 005 | NOT ADDED | RECCRC CN FILE | 0010050 |
| 4 | 8101865 | 01 | 8E352C01C1-C | C05 | RECORC DELETED | | 1111111 |
| 4 | 8101868 | 01 | 8E58020101-0 | CC1 | RECORC CHANGED | | 0010038 |
| 4 | 8101884 | 01 | 8E35440401-0 | 003 | RECORC CHANGED | | 0010122 |
| 3 | 8101905 | 01 | 6179110301-0 | | RECORD DELETED | | 9999999999999999999999999999999990 |
| 4 | 8101905 | 01 | 6179110301-0 | C01 | RECORD DELETED | | 1111111 |
| 4 | 8101905 | 01 | 6179110301-0 | CC2 | RECORD DELETED | | 1111111 |
| 4 | 8101905 | 01 | 6179110301-C | C03 | RECORC DELETED | | 1111111 |
| 4 | 8101905 | 01 | 6179110301-C | CC4 | RECORC DELETED | | 1111111 |
| 4 | 8101905 | 01 | 6179110301-0 | C05 | RECORD DELETED | | 1111111 |
| 3 | 8101905 | 01 | 6179110303-0 | | RECORC ADCED | | 000059999999CC0C5999999CC0C599999992 |
| 4 | 8101905 | 01 | 6179110303-0 | CC1 | RECCRC ADDED | | 0010024 |
| 4 | 8101905 | 01 | 6179110303-0 | C02 | RECORC ADCED | | 0010029 |
| 4 | 8101905 | 01 | 6179110303-0 | C03 | RECORC ADCED | | 0010031 |
| 4 | 8101905 | 01 | 6179110303-0 | CC4 | RECORC ADDEC | | 0010033 |
| 4 | 8101905 | 01 | 6179110303-0 | C05 | RECORC ACCEC | | 0010030 |
| 1 | 8101929 | | | | RECORD CHANGED | | 433E11208 CC05030000 N19 553 |
| 2 | 8101929 | 00 | | | RECCRC ADDED | | 999599999999C70 |
| 3 | 8101929 | 00 | 570CCOCOCCC-0 | | RECORD ADDED | | 99999999999999999999999999999990 |

| REC. TYPE | SEC. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 3 | 8101929 | 00 | 8E352501C1-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 81C1929 | 00 | 8E354401C2-C | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 81C1929 | 0C | 8E35440104-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8101929 | CC | 8E35440401-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8101929 | 00 | 8E354404C1-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 81C1929 | 00 | 8E5103C103-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 81C1929 | 0C | 8E57030301-2 | | RECORD ADDED | | 99999999999C0012999599CCC125999992 |
| 4 | 81C1929 | 00 | 8E570303C1-2 | CC1 | RECORD ADDED | | 0020275 |
| 4 | 81C1929 | 00 | 8E57030301-2 | CC2 | RECORD ADDED | | 001C285 |
| 4 | 81C1929 | CC | 8E57030301-2 | 003 | RECORD ADDED | | 001C254 |
| 4 | 8101929 | CC | 8E57030301-2 | C04 | RECORD ADDED | | 0C1C265 |
| 4 | 8101929 | 00 | 8E57030301-2 | CC5 | RECORD ADDED | | 0010226 |
| 4 | 81C1929 | 00 | 8E57030301-2 | CC6 | RECORD ADDED | | 0010195 |
| 4 | 81C1929 | 00 | 8E57030301-2 | CC7 | RECORD ADDED | | 0010270 |
| 4 | 81C1929 | CC | 8E57030301-2 | 008 | RECORD ADDED | | 001C268 |
| 4 | 8101929 | 0C | 8E57030301-2 | CC9 | RECORD ADDED | | 001C283 |
| 4 | 8101929 | CC | 8E57030301-2 | 010 | RECORD ADDED | | 0010224 |
| 4 | 8101929 | 00 | 8E570303C1-2 | 011 | RECORD ADDED | | 0010267 |
| 2 | 81C1929 | 05 | | | RECORD CHANGED | | 001897001897000 |
| 3 | 8101929 | 05 | 570C0C0000-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8101929 | 05 | 8E35250101-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8101929 | 05 | 8E35440102-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8101929 | 05 | 8E35440104-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 81C1929 | 05 | 8E5103C1C3-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8101929 | 05 | 8E57030301-2 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8101929 | 05 | 8E57030301-2 | CC1 | RECORD DELETED | | 1111111 |
| 4 | 81C1929 | 05 | 8E57030301-2 | 002 | RECORD DELETED | | 1111111 |

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 4 | 8101929 | 05 | 8E57030301-2 | 003 | RECORD DELETED | | 1111111 |
| 4 | 8101929 | 05 | 8E57030301-2 | 004 | RECORD DELETED | | 1111111 |
| 4 | 8101929 | 05 | 8E57030301-2 | 005 | RECORD DELETED | | 1111111 |
| 4 | 8101929 | 05 | 8E57030301-2 | 006 | RECORD DELETED | | 1111111 |
| 4 | 8101929 | 05 | 8E57030301-2 | 007 | RECORD DELETED | | 1111111 |
| 4 | 8101929 | 05 | 8E57030301-2 | 008 | RECORD DELETED | | 1111111 |
| 4 | 8101929 | 05 | 8E57030301-2 | 009 | RECORD DELETED | | 1111111 |
| 4 | 8101929 | 05 | 8E57030301-2 | 010 | RECORD DELETED | | 1111111 |
| 4 | 8101929 | 05 | 8E57030301-2 | 011 | RECORD DELETED | | 1111111 |
| 1 | 8101935 | | | | RECORD CHANGED | | 433811218 CC05C200CC N1S 553 |
| 2 | 8101935 | 00 | | | RECORD ADDED | | 999999999995060 |
| 3 | 8101935 | 00 | 570C0C0000-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | 00 | 8729010105-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | 00 | 8E35250101-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | 00 | 8E35440104-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | 00 | 8E354406C0-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | 00 | 8E35440701-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | CC | 8E35440701-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 2 | 8101935 | 05 | | | RECORD CHANGED | | 000C62000C62000 |
| 3 | 8101935 | 05 | 57CC0C0000-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | 05 | 8729010105-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | 05 | 8E35250101-0 | | RECORD CHANGED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | 05 | 8E35440104-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8101935 | 05 | 8E35440600-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8200447 | 00 | 8E354404C1-0 | C08 | RECORD ADDED | | 0010152 1101 |
| 4 | 8200447 | 00 | 8E35440401-0 | C09 | RECORD ADDED | | 0010197 1102 |
| 4 | 82C0447 | 0C | 8E35440401-0 | 010 | RECORD ADDED | | 0010152 1101 |

UPDATE ACTIVITY REPORT DATE 04/26/84

| REC. TYPE | SEC. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 3 | 8200883 | 01 | 8747010601-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8200883 | 01 | 8747010601-0 | 001 | RECORD DELETED | | 1111111 |
| 3 | 8200883 | 01 | 8847010601-0 | | RECORD ADDED | | 00001999999000019999990000199999992 |
| 4 | 8200883 | 01 | 8847010601-0 | 001 | RECORD ADDED | | 0010022 |
| 4 | 8202876 | 01 | 8835250101-2 | 020 | RECORD CHANGED | | 0030303 |
| 4 | 8202878 | 04 | 8857030301-5 | 011 | RECORD CHANGED | | 0020418 |
| 2 | 8202880 | 10 | | | RECORD CHANGED | | 0317.50317.5010 |
| 3 | 8202904 | 04 | 8835440701-0 | | RECORD CHANGED | | 17587002638001480022.20014800022.22 |
| 4 | 8300157 | 01 | 8835440701-0 | 008 | RECORD CHANGED | | 0010329 |
| 1 | 8300814 | | | | RECORD CHANGED | | 120830525A13 05284000C 1345 555600200 |
| 1 | 8301069 | | | | RECORD CHANGED | | 120830603J1C 0537040100 1730 155610.50 |
| 3 | 8302644 | 06 | 8835020501-0 | | RECORD ADDED | | 000010005.4000010005.4000010005.40 |
| 3 | 8302644 | 06 | 8835020502-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8302653 | 00 | 9708020201-0 | | RECORD CHANGED | | 00001999999000019999990000199999990 |
| 4 | 8302655 | 07 | 8835360501-3 | 019 | RECORD CHANGED | | 0010520 |
| 3 | 8302656 | 10 | 8835020301-4 | | RECORD CHANGED | | 999990000.9999990000.9999990000.90 |
| 3 | 8302661 | 00 | 9002040101-0 | | RECORD CHANGED | | 00001999999000019999990000199999990 |
| 3 | 8302661 | 00 | 9708020000-0 | | RECORD CHANGED | | 00001999999000019999990000199999990 |
| 4 | 8302663 | 01 | 8835020505-0 | 002 | RECORD CHANGED | | 0010580 |
| 3 | 8302666 | 02 | 8835020501-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8302666 | 02 | 8835020505-0 | | RECORD ADDED | | 000410110.7000410110.7000410110.70 |
| 4 | 8302730 | 01 | 8835020101-2 | 001 | RECORD CHANGED | | 0020230 |
| 4 | 8302730 | 01 | 8835020101-2 | 007 | RECORD CHANGED | | 0010165 |
| 4 | 8302730 | 01 | 8835020101-2 | 008 | RECORD CHANGED | | 0010153 |
| 4 | 8302730 | 01 | 8835020101-2 | 009 | RECORD CHANGED | | 0010144 |
| 4 | 8302730 | 01 | 8835020101-2 | 010 | RECORD CHANGED | | 0020142 |
| 4 | 8302730 | 01 | 8835020101-2 | 011 | RECORD CHANGED | | 0010145 |

UPDATE ACTIVITY REPORT

DATE 04/26/84

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 4 | 8302730 | 01 | 8835020101-2 | 012 | RECORD CHANGED | | 0010167 |
| 4 | 8302730 | 01 | 8835020101-2 | 013 | RECORD CHANGED | | 0010143 |
| 4 | 8302730 | 01 | 8835020101-2 | 014 | RECORD DELETED | | 1111111 |
| 4 | 8302737 | 01 | 8747010102-1 | 003 | RECORD CHANGED | | 0110055 |
| 4 | 8302737 | 01 | 8747010102-1 | 007 | RECORD CHANGED | | 0020056 |
| 4 | 8302737 | 01 | 8747010102-1 | 008 | RECORD CHANGED | | 0030058 |
| 4 | 8302737 | 01 | 8747010102-1 | 009 | RECORD CHANGED | | 0010052 |
| 4 | 8302737 | 01 | 8747010102-1 | 010 | RECORD DELETED | | 1111111 |
| 1 | 8302926 | | | | RECORD CHANGED | | 4388311070902500040000000 424 0 |
| 4 | 8302993 | 01 | 6189010301-0 | 001 | RECORD CHANGED | | 0010016 2 |
| 4 | 8302993 | 01 | 6189010301-0 | 002 | RECORD CHANGED | | 0010011 2 |
| 3 | 8303059 | 01 | 8835360100-0 | | RECORD DELETED | | 99999999999999999999999999999999999 |
| 3 | 8303059 | 01 | 8835360112-0 | | RECORD ADDED | | 000019999990000199999900001999999 0 |
| 3 | 8303073 | 01 | 8835020505-0 | | RECORD CHANGED | | 000330092.1000330092.1000330092.10 |
| 3 | 8303074 | 15 | 8835020410-0 | | RECORD ADDED | | 000030254.0000030254.0000030254.04 |
| 4 | 8303074 | 15 | 8835020410-0 | 001 | RECORD ADDED | | 0011660 88.9 |
| 4 | 8303074 | 15 | 8835020410-0 | 002 | RECORD ADDED | | 0011400 51.7 |
| 4 | 8303074 | 15 | 8835020410-0 | 003 | RECORD ADDED | | 0011770 113.4 |
| 3 | 8303074 | 15 | 8835021701-0 | | RECORD DELETED | | 99999999999999999999999999999999999 |
| 4 | 8303074 | 15 | 8835021701-0 | 001 | RECORD DELETED | | 1111111 |
| 4 | 8303074 | 15 | 8835021701-0 | 002 | RECORD DELETED | | 1111111 |
| 4 | 8303074 | 15 | 8835021701-0 | 003 | RECORD DELETED | | 1111111 |
| 2 | 8303129 | 01 | | | RECORD CHANGED | | 999999999999080 |
| 3 | 8303129 | 01 | 6153000000-0 | | RECORD ADDED | | 99995999999999999999999999999999999 |
| 3 | 8303129 | 01 | 6177020101-0 | | RECORD ADDED | | 99995999999999999999999999999999999 |
| 4 | 8303133 | 01 | 6189010301-0 | 005 | RECORD CHANGED | | 0010148 23 |
| 4 | 8303157 | 01 | 8835440701-0 | 002 | RECORD CHANGED | | 0010028 |

UPDATE ACTIVITY REPORT DATE 04/26/84

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 3 | 8303164 | 00 | 8E35020301-3 | | RECORD CHANGED | | 00001999999000019999990000199999990 |
| 3 | 8303164 | 00 | 8E35280801-0 | | RECORD ADDED | | 99999999999999999999999999999999990 |
| 3 | 8303164 | 00 | 8E37010104-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8303166 | 00 | 8E35020301-2 | | RECORD ADDED | | 99999999999999999999990C0200003.42 |
| 4 | 8303166 | 00 | 8E35020301-2 | 001 | RECORD ADDED | | 0010200 |
| 4 | 8303166 | 00 | 8E35020301-2 | 002 | RECORD ADDED | | 0010190 |
| 4 | 8303166 | 00 | 8E35020301-2 | 003 | RECORD ADDED | | 0010200 |
| 4 | 8303166 | 00 | 8E35020301-2 | 004 | RECORD ADDED | | 0010200 |
| 4 | 8303166 | 00 | 8E35020301-2 | 005 | RECORD ADDED | | 0010205 |
| 4 | 8303166 | 00 | 8E35020301-2 | 006 | RECORD ADDED | | 0010210 |
| 4 | 8303166 | 00 | 8E35020301-2 | 007 | RECORD ADDED | | 0010240 |
| 4 | 8303166 | 00 | 8E35020301-2 | 008 | RECORD ADDED | | 0010210 |
| 4 | 8303166 | 00 | 8E35020301-2 | 009 | RECORD ADDED | | 0010210 |
| 4 | 8303166 | 00 | 8E35020301-2 | 010 | RECORD ADDED | | 0010200 |
| 4 | 8303166 | 00 | 8E35020301-2 | 011 | RECORD ADDED | | 0010210 |
| 4 | 8303166 | 00 | 8E35020301-2 | 012 | RECORD ADDED | | 0010205 |
| 4 | 8303166 | 00 | 8E35020301-2 | 013 | RECORD ADDED | | 0010200 |
| 4 | 8303166 | 00 | 8E35020301-2 | 014 | RECORD ADDED | | 0010225 |
| 4 | 8303166 | 00 | 8E35020301-2 | 015 | RECORD ADDED | | 0010210 |
| 4 | 8303166 | 00 | 8E35020301-2 | 016 | RECORD ADDED | | 0010200 |
| 4 | 8303166 | 00 | 8E35020301-2 | 017 | RECORD ADDED | | 0010205 |
| 4 | 8303166 | 00 | 8E35020301-2 | 018 | RECORD ADDED | | 0010215 |
| 4 | 8303166 | 00 | 8E35020301-2 | 019 | RECORD ADDED | | 0010215 |
| 4 | 8303166 | 00 | 8E35020301-2 | 020 | RECORD ADDED | | 0010205 |
| 3 | 8303166 | 00 | 8E35020305-2 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 4 | 8303166 | 00 | 8E35020305-2 | 001 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8E35020305-2 | 001 | NOT DELETED | RECORD NOT ON FILE | 1111111 |

UPDATE ACTIVITY REPORT

DATE 04/26/84

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 4 | 8303166 | 00 | 8835020305-2 | 002 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 002 | NOT DELETED | RECORD NOT ON FILE | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 003 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 003 | NOT DELETED | RECORD NOT ON FILE | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 004 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 004 | NOT DELETED | RECORD NOT ON FILE | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 005 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 005 | NOT DELETED | RECORD NOT ON FILE | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 006 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 006 | NOT DELETED | RECORD NOT ON FILE | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 007 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 008 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 009 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 010 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 011 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 012 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 013 | RECORD DELETED | | 1111111 |
| 4 | 8303166 | 00 | 8835020305-2 | 014 | RECORD DELETED | | 1111111 |
| 3 | 8303643 | 00 | 8741050500-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8303643 | 00 | 8741050504-0 | | RECORD ADDED | | 00001999999000019999990000019999990 |
| 3 | 8303643 | 00 | 8850020501-0 | | RECORD DELETED | | 99999999999999999999999999999999990 |
| 3 | 8303643 | 00 | 8850030501-0 | | RECORD ADDED | | 000140060.3000140060.3000050020.90 |
| 2 | 8400004 | 00 | | | RECORD ADDED | | 999999999999090 |
| 1 | 8400005 | | | | RECORD CHANGED | | 433840106 0005030000 N19 28805530090 |
| 1 | 8400019 | | | | RECORD ADDED | | 4348402C1 0005040000 N19 28802453C000 |
| 2 | 8400019 | 00 | | | RECORD ADDED | | 999999999999010 |
| 3 | 8400019 | 00 | 8835020102-0 | | RECORD ADDED | | 000010015.4000010015.4000010015.44 |

| REC. TYPE | SEC. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8499999 | | | | NOT CHANGED | RECORD NOT ON FILE | 999841010 | 0123212321 | 000 |
| 1 | 8499999 | | | | NOT CHANGED | RECORD NOT ON FILE | 999841010 | 0123212321 | 000 |
| 1 | 8499999 | | | | NOT CHANGED | RECORD NOT ON FILE | 999841010 | 0123212321 | 000 |
| 4 | 8499999 | CC | 8835440401-0 | 001 | NOT CHANGED | RECORD NOT ON FILE | 001 | | |

676,361 MASTER FILE RECORDS BEFORE UPDATE
4,337 RECORDS ADDED
80 RECORDS CHANGED
278 RECORDS DELETED
61 TOTAL TRANSACTIONS REJECTED
680,420 MASTER FILE RECORDS AFTER UPDATE

NM 100 R2 NORTH CAROLINA DIVISION OF MARINE FISHERIES PAGE 1

EDIT ERROR WARNING REPORT DATE 04/26/84

| REC TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | ERROR MESSAGE |
|---|---|---|---|---|---|
| 3 | 7804666 | 01 | 6177C10102-0 | | SPECIES CODE 6177010102 NOT FOUND IN MFSPP |
| 3 | 7804667 | 01 | 6177C1C1C2-C | | SPECIES CODE 6177010102 NOT FOUND IN MFSPP |
| 3 | 7903338 | 01 | 6177C1C1C2-C | | SPECIES CODE 6177010102 NOT FOUND IN MFSPP |
| 2 | 7903450 | 00 | | | NUM.SPECIES RECORDS(11) NOT = REP.SPEC.OF 12 |
| 2 | 8002997 | 00 | | | NUM.SPECIES RECORDS(08) NOT = REP.SPEC.OF 09 |
| 2 | 8002997 | 05 | | | NUM.SPECIES RECORDS(01) NOT = REP.SPEC.OF 00 |
| 3 | 8101780 | 01 | 6177010103-0 | | SPECIES CODE 6177010103 NOT FOUND IN MFSPP |
| 2 | 8101865 | 01 | | | NUM.SPECIES RECORDS(15) NOT = REP.SPEC.OF 16 |
| 2 | 8101929 | 00 | | | NUM.SPECIES RECORDS(06) NOT = REP.SPEC.OF 07 |
| 2 | 8101929 | 05 | | | NUM.SPECIES RECORDS(01) NOT = REP.SPEC.OF 00 |
| 2 | 8101935 | 00 | | | NUM.SPECIES RECORDS(05) NOT = REP.SPEC.OF 06 |
| 2 | 8101935 | 05 | | | NUM.SPECIES RECORDS(02) NOT = REP.SPEC.OF 00 |
| 3 | 8303129 | 01 | 6177C2C1C1-0 | | SPECIES CODE 6177020101 NOT FOUND IN MFSPP |
| 1 | 8400019 | | | | GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434 |
| 1 | 8400020 | | | | GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434 |
| 3 | 8400022 | 01 | 8835250101-3 | | NUM.INDIV.REC(00094) NE SPEC SUBSAM. OF 00093 |
| 1 | 8400026 | | | | GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434 |
| 1 | 8400027 | | | | GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434 |
| 3 | 8400029 | 00 | 6177C10102-0 | | SPECIES CODE 6177010102 NOT FOUND IN MFSPP |
| 3 | 8400029 | 01 | 883544C1C4-2 | | NUM.INDIV.REC(00080) NE SPEC SUBSAM. OF 00086 |
| 3 | 8400031 | 00 | 883544C701-0 | | NUM.INDIV.REC(00013) NE SPEC SUBSAM. OF 00009 |
| 2 | 8400031 | 00 | | | NUM.SPECIES RECORDS(03) NOT = REP.SPEC.OF 04 |
| 1 | 8400032 | | | | NUM.REPLIC.RECORDS NOT = ENVIR.REPLICS OF 10 |
| 4 | 8400034 | 03 | 883544C7C1-C | 001 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400034 | 03 | 883544C7C1-C | 002 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 1 | 8400034 | | | | NUM.REPLIC.RECORDS NOT = ENVIR.REPLICS OF 06 |
| 3 | 8400040 | 00 | 6177C10102-C | | SPECIES CODE 6177010102 NOT FOUND IN MFSPP |

| REC TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | ERROR MESSAGE |
|---|---|---|---|---|---|
| 4 | 8400040 | 00 | 883544C701-C | C01 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | 002 | THIS RECORC TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | 003 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | 004 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | 005 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 8835440701-C | 006 | THIS RECORC TYPE INVALIC FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | C07 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-0 | CC8 | THIS RECORC TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-0 | 009 | THIS RECORD TYPE INVALIC FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | 010 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | 011 | THIS RECORD TYPE INVALIC FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | C12 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 8835440701-C | C13 | THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | 014 | THIS RECORC TYPE INVALID FOR SPECIES FORMAT 0 |
| 4 | 8400040 | 00 | 883544C701-C | 015 | THIS RECORC TYPE INVALID FOR SPECIES FORMAT 0 |
| 2 | 8400154 | 03 | | | NUM.SPECIES RECORDS(01) NOT = REP.SPEC.OF 02 |

NM 100 R3

NORTH CAROLINA DIVISION OF MARINE FISHERIES

MASTER FILE STRUCTURAL ERROR REPORT



DATE 04/26/84

| SEQUENCE NUMBER | REPLICATE NUMBER | SPECIES CODE | LINE NUMBER | MISSING ENVIR DATA | MISSING REPLIC DATA | MISSING SPECIES DATA | DUP TAG RECAPT | NON SEQ TAG RECAPT | NON SEQ INDIV RECORD | MISSING INDIV RECORD |
|---|---|---|---|---|---|---|---|---|---|---|
| 7300524 | 01 | 8E35280901 0 | CC2 | | | X | | | X | |
| 8101758 | 01 | 8E35440301 2 | CC2 | | | X | | | X | |
| 8303166 | 00 | 8E35020305 2 | 015 | | | X | | | X | |
| 8303166 | 00 | 8E35020305 2 | 016 | | | X | | | | |
| 8303166 | 00 | 8E35020305 2 | 017 | | | X | | | | |
| 8303166 | 00 | 8E35020305 2 | 018 | | | X | | | | |
| 8303166 | 00 | 8E35020305 2 | 019 | | | X | | | | |
| 8303166 | 00 | 8E35020305 2 | 020 | | | X | | | | |

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

C*1*72*01385*  *          .* *   *100*7212C5*3'   *C214CC0100*  *  * *    *   5*538*001C*0.75*0.25*1*3*9 * *3.7*   *C93*C92*
   *019*C19*    *   *   *  * *    * *  * *  * * * *C1*

 *3*73*00524*C1*CARANX HIFPOS*0*   *0C0C2*999999*00002*999999*00002*999999*2* *     * *     *
   *                                                          *

 *6*73*00524*C1*CARANX HIFPCS*0*CC1*  1* 1CC*  1*  9C*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

D*3*73*00524*C1*TRACHI CAFOLI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                          *

D*6*73*00524*C1*TRACHI CAFOLI*0*001*111*1111*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

D*3*74*CC498*C1*ENNEAC CHAETO*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                          *

D*6*74*CC498*C1*ENNEAC CHAETO*0*001*111*1111*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

 *3*74*00498*C1*LEPOMI MACRCC*0*   *0C0C1*999999*00001*999999*00001*999999*2* *     * *     *
   *                                                          *

 *6*74*0C498*C1*LEPOMI MACRCC*0*CC1*  1*  68*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

C*3*78*04666*C1*PENAEU DUCRAR*0*   *000C7*CC.CC2*000C7*00.002*00007*00.002*1* *     * *     *
   *                                                          *

C*3*78*04667*C1*PENAEU DUCRAR*0*   *0CC14*CC.CC7*00014*0C.0C7*00014*0C.007*1* *     * *     *
   *                                                          *

D*3*78*04715*C1*CENTRO STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                          *

D*6*78*04715*C1*CENTRC STRIAT*0*001*111*1111*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

 *3*78*04715*01*ORTHOP CHRYSO*0*   *00001*999999*00CC1*999999*00001*999999*1* *     * *     *
   *                                                          *

 *6*78*04715*C1*ORTHOP CHRYSO*0*CC1*  1*  45*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

 *3*78*C4749*C1*TRINEC MACULA*0*   *00013*999999*CCC13*999999*00013*999999*1* *     * *     *
   *                                                          *

 *6*78*04749*C1*TRINEC MACULA*0*CC1* 12*  55*  1*  45*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.
CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
   *   *   *   *   *   *   *   *   *   *

D*3*78*04749*C1*SYMPHU PLAGIU*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *

D*6*78*04749*C1*SYMPHU PLAGIU*0*CC1*111*1111*111*1111*  *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
   *   *   *   *   *   *   *   *   *   *

D*3*78*04848*C1*CENTRC STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *

D*6*78*04848*C1*CENTRC STRIAT*0*001*111*1111*111*1111*  *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
   *   *   *   *   *   *   *   *   *   *

 *3*78*04848*C1*ORTHOP CHRYSO*0*   *0CCC2*999999*00002*999999*00002*999999*1* *     * *     *
   *

 *6*78*04848*C1*ORTHOP CHRYSO*0*001*  1* 155*  1* 205*  *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
   *   *   *   *   *   *   *   *   *   *

C*4*79*03230*C0*PARALI LETHCS*0*001*0C1*  28* *.0004* * *   *   *   *   * * *     *3*1*  *  *
   *

C*3*79*03338*C1*PENAEU DUCRAR*0*   *0CCC8*CC.C07*000C8*00.007*00008*0C.C07*1* *     * *     *
   *

C*1*79*03448*  *          .* *   *433*2512C3*     *C006000000* N*19* *     *    *553*0100*    *01.5*2*3*  * * 1E*   *   *   *
   *   *   *  8*   *   *  * *    * *  * *  * * * *C6*

 *2*79*03448*CC*           .* *   *99999*999999*07*C*
   *

 *3*79*03448*C0*CENTRO STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *

 *3*79*03448*CC*POMATO SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *

 *3*79*03448*CC*CYNOSC RECALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *

 *3*79*03448*0C*LEIOST XANTHU*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *

 *3*79*03448*C0*MENTICIRRHUS *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *

 *3*79*03448*CC*MICROP UNDULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *
```

| REC. TYPE | SEQ. NBR. | REP. NBR. | SPECIES CODE | LINE NBR. | UPDATE MESSAGE | ERROR MESSAGE | DATA FROM TRANSACTION |
|---|---|---|---|---|---|---|---|
| 4 | 8400019 | 00 | 8E350201C2-0 | C01 | RECORD ADDED | | 0011086 15.42 31 |
| 2 | 84CC019 | 01 | | | RECORD ADDED | | 0015.40015.4010 |
| 3 | 84CC019 | 01 | 8E350201C2-5 | | RECORD ADDED | | 000010015.4C000100I5.40C001CC15.44 |
| 4 | 8400019 | 01 | 8E350201C2-5 | CC1 | RECORD ADDED | | 0011086 2 |
| 1 | 8400020 | | | | RECORD ADDED | | 434840201 CC05C4000C N19 288024548CC0 |
| 2 | 8400020 | 00 | | | RECORD ADDED | | 9999999999999010 |
| 3 | 8400020 | 00 | 8E350201C2-0 | | RECORD ADDED | | 000030065.2000030C65.2CCCC3CC65.24 |
| 4 | 8400020 | 00 | 8E350201C2-0 | CC1 | RECORD ADDED | | 0011192 20.62 31 |
| 4 | 8400020 | 00 | 8E350201C2-0 | CC2 | RECORD ADDED | | 0011250 25.82 31 |
| 4 | 8400020 | 00 | 8E350201C2-0 | 003 | RECORD ADDED | | 0011130 18.82 31 |
| 2 | 8400020 | 01 | | | RECORD ADDED | | 0065.20C65.2010 |
| 3 | 8400020 | 01 | 8E350201C2-5 | | RECORD ADDED | | 000030065.20C0030C65.2CCCC3CC65.24 |
| 4 | 8400020 | 01 | 8E350201C2-5 | CC1 | RECORD ADDED | | 0011192 2 |
| 4 | 84CC020 | 01 | 8E350201C2-5 | CC2 | RECORD ADDED | | 0011250 2 |
| 4 | 84CC020 | 01 | 8E350201C2-5 | 003 | RECORD ADDED | | 0011130 2 |
| 1 | 8400022 | | | | RECORD ADDED | | 434840201 C005C3000C N19 3C24009001 |
| 2 | 8400022 | 00 | | | RECORD ADDED | | 9999999999995010 |
| 3 | 8400022 | 00 | 8E354401C4-0 | | RECORD ADDED | | 0000499999900004999999CCCC45999994 |
| 4 | 84CC022 | 00 | 8E35440104-0 | CC1 | RECORD ADDED | | 0010671 3.35 31 |
| 4 | 84CC022 | 00 | 8E35440104-C | CC2 | RECORD ADDED | | 0010670 2.76 31 |
| 4 | 8400022 | CC | 8E35440104-0 | CC3 | RECORD ADDED | | 0010680 2.58 31 |
| 4 | 8400022 | CC | 8E35440104-0 | CC4 | RECORD ADDED | | 0010731 3.68 31 |
| 2 | 8400022 | 01 | | | RECORD ADDED | | 0907.20068.CC16 |
| 3 | 84CC022 | 01 | 8E352501C1-3 | | RECORD ADDED | | 012400907.2CCC930C6E.0CCC930068.02 |
| 4 | 84CC022 | 01 | 8E352501C1-3 | CC1 | RECORD ADDED | | 0010320 |
| 4 | 84CC022 | 01 | 8E35250101-3 | CC2 | RECORD ADDED | | 0010346 |
| 4 | 84CC022 | 01 | 8E35250101-3 | CC3 | RECORD ADDED | | 0010348 |

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

 *3*79*03448*00*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
C*2*79*03448*05*            .* *   *001334*001334*00*0*
   *                                                                                                  *
D*3*79*03448*05*CENTRO STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
D*3*79*03448*05*POMATO SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
D*3*79*03448*05*CYNOSC REGALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
D*3*79*03448*05*LEIOST XANTHU*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
D*3*79*03448*05*MENTICIRRHUS *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
D*3*79*03448*05*MICROP UNDULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
D*3*79*03448*05*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
C*1*79*03449*  *            .* *   *433*791210*    *0006020000* N*19* *    *    *553*    *    *01.5*1*3*  * * 18*   *   *   *
   *   *   *   5*   *   *  * *    * *  * *  * * * *06*
 *2*79*03449*00*            .* *   *999999*999999*10*0*
   *                                                                                                  *
 *3*79*03449*00*MOLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
 *3*79*03449*00*ACIPEN OXYRHY*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
 *3*79*03449*00*CENTRO STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
 *3*79*03449*00*POMATO SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
 *3*79*03449*00*CYNOSC REGALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
```

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
 *3*79*03449*00*LEIOST XANTHU*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*79*03449*00*MENTICIRRHUS *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*79*03449*00*MICROP UNDULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*79*03449*00*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*79*03449*00*PARALI DENTAT*2*   *99999*999999*00010*999999*00010*999999*2* *     * *     *
  *                                                                  *
 *6*79*03449*00*PARALI DENTAT*2*001*  1* 290*  1* 302*  1* 270*  1* 265*  1* 278*  1* 305*  1* 264*  1* 255*  1* 283*  1* 258*
  *   *    *   *    *   *    *   *    *    *
C*2*79*03449*05*            .* *   *001212*001212*00*0*
  *                                                                                                  *
D*3*79*03449*05*MOLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*79*03449*05*ACIPEN OXYRHY*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*79*03449*05*CENTRO STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*79*03449*05*POMATO SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*79*03449*05*CYNOSC REGALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*79*03449*05*LEIOST XANTHU*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*79*03449*05*MENTICIRRHUS *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*79*03449*05*MICROP UNDULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*79*03449*05*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*79*03449*05*PARALI DENTAT*2*   *99999*999999*00010*999999*00010*999999*2* *     * *     *
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.
CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
  *                                                                                                                            *
D*6*79*03449*C5*PARALI DENTAT*2*001*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*
  *   *   *   *   *   *   *   *   *   *   *
C*1*79*03450*  *          .* *   *423*7512 3*    *000000000* N*19* *   *    *553*   *    *01.5*2*3*  * *  S*   *   *   *
  *   * . *   7*   *   *  * *     * *  * *  * * * *07*
 *2*79*C3450*CO*            .* *   *9999999999999*12*C*
  *                                                                                                                            *
 *3*79*03450*CC*BUSYCON      *0*   *99999*999999*99999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CO*MOLLUS CEPHAL*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CO*OCTOPUS      *0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CC*ACIPEN OXYRHY*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CC*CENTRC STFIAT*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CC*POMATO SALTAT*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*C3450*CC*CYNOSC REGALI*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CO*LEIOST XANTHU*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
D*3*79*C3450*CO*LEIOST XANTHU*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CO*MENTICIRRHUS *0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CC*MICROP UNDULA*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CO*PEPRIL TRIACA*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
 *3*79*03450*CO*SPHOER MACULA*0*   *99999*999999*999999*999999*999999*999999*0* *     * *     *
  *                                                                                                                            *
```

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

C*2*79*03450*06*            .* *   *CC3141*CC3141*00*C*
   *                                                                                                  *
D*3*79*03450*06*BUSYCON      *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*MOLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*OCTOPUS      *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*ACIPEN OXYRHY*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*CENTRC STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*POMATO SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*CYNOSC RECALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*LEIOST XANTHU*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*MENTICIRRHUS *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*MICROP UNDULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
D*3*79*03450*06*SPHOER MACULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
 *3*80*02854*01*MORONE SAXATA*0*   *00001*999999*00001*999999*00001*999999*7* *     * *     *
   *                                                                *
 *4*80*02854*01*MORONE SAXATA*0*001*001* 225* *     * * *     *     *     *     * *3*     * * *  *  *
   *                                                                *
D*3*80*02854*01*MICROP SALMOI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *
```

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
D*6*80*02854*C1*MICROP SALMOI*0*C01*111*1111*   *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *
D*3*80*02872*C1*ETHEOS FUSIFO*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
D*6*80*02872*C1*ETHEOS FUSIFO*0*001*111*1111*   *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *
 *3*80*02872*C1*CHAETO FABER *0*   *00001*999999*00001*999999*00001*999999*1* *     * *     *
   *                                                                  *
 *6*80*02872*C1*CHAETO FABER *0*C01*  1*  55*   *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *
D*3*80*02880*C1*CENTRO STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
D*6*80*02880*C1*CENTRO STRIAT*0*001*111*1111*   *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *
D*3*80*02880*C1*ETHEOS FUSIFO*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
D*6*80*02880*C1*ETHEOS FUSIFO*0*001*111*1111*   *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *
 *3*80*02880*C1*ORTHOP CHRYSO*0*   *00006*999999*00006*999999*00006*999999*1* *     * *     *
   *                                                                  *
 *6*80*02880*C1*ORTHOP CHRYSO*0*C01*  6* 105*   *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *
 *3*80*02880*C1*CHAETO FABER *0*   *00002*999999*00002*999999*00002*999999*1* *     * *     *
   *                                                                  *
 *6*80*02880*C1*CHAETO FABER *0*001*  2*  65*   *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *
C*1*80*02995*  *          .* *   *433*801125*  *  *0006000000* N*19* *    *    *553*    *    *01.5*1*3*  * *    *    *    *    *
   *    *    *   5*    *    *    * *    * *    * *    * * * *06*
 *2*80*02995*CC*          .* *   *999999*999999*C6*C*
   *                                                                                                  *
 *3*80*02995*C0*MOLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
 *3*80*02995*C0*CYNOSC NEBULO*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.
CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
  *                                                  *
 *3*80*02995*C0*CYNOSC RECALI*0*   *9555559555599*99995*999999*5555*9999559999*0* *     * *     *
  *                                                  *
 *3*80*02995*C0*MENTICIRRHUS *0*   *955555*5555559*55555*999999*9999*9999559999*0* *     * *     *
  *                                                  *
 *3*80*02995*C0*PEPRIL TRIACA*0*   *99999*555559*55555*999999*99999*999999*0* *     * *     *
  *                                                  *
 *3*80*02995*C0*PARALI DENTAT*2*   *95559*599999*00010*99995*00010*999999*2* *     * *     *
  *                                                  *
 *6*80*02995*C0*PARALI DENTAT*2*001*  1* 222*  1* 204*  1* 280*  1* 269*  1* 251*  1* 290*  1* 261*  1* 178*  1* 284*  1* 255*
  *   *   *   *   *   *   *   *   *   *
C*2*80*02995*C5*            .* *   *5108.0*5108.0*00*0*
  *                                                                                                                  *
D*3*80*02995*05*MOLLUS CEPHAL*0*  *95555*555599*99999*999995*99999*999999*0* *     * *     *
  *                                                  *
D*3*80*02995*05*CYNOSC NEEULO*0*  *95555*555559*99999*999999*99999*999999*0* *     * *     *
  *                                                  *
D*3*80*02995*05*CYNOSC RECALI*0*  *99999*555559*55555*999999*99999*999999*0* *     * *     *
  *                                                  *
D*3*80*02995*05*MENTICIRRHUS *0*  *95999*599999*99995*55595*99999*999999*0* *     * *     *
  *                                                  *
D*3*80*02995*05*PEPRIL TRIACA*0*  *55555*555559*99999*999999*99999*999999*0* *     * *     *
  *                                                  *
D*3*80*02995*05*PARALI CENTAT*2*  *99955*555559*55555*999999*99999*999999*0* *     * *     *
  *                                                  *
D*3*80*02995*05*PARALI DENTAT*2*  *95955*599989*55555*99999*99999*999999*0* *     * *     *
  *                                                  *
D*6*80*02995*05*PARALI DENTAT*2*001*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*
  *   *   *   *   *   *   *   *   *   *
D*6*80*02995*05*PARALI DENTAT*2*001*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*
  *   *   *   *   *   *   *   *   *   *
C*1*80*02997*  *          .* *  *433*8012C4*    *C006C00000* N*19* *   *   *553*    *   *CCC2*1*3*  * *   *   *   *   *
  *   *   *  5*   *   *  * *    * *  * *  * * * *06*
```

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

 *2*80*02997*00*              .* *   *999999*999999*05*0*
  *                                                                                                  *
 *3*80*02997*00*MOLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*80*02997*00*ACIPEN OXYRHY*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*80*02997*00*CENTRO STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*80*02997*00*POMATO SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*80*02997*00*CYNOSC REGALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*80*02997*00*MICROP UNDULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*80*02997*00*SCOMBE CAVALL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*80*02997*00*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*80*02997*00*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*80*02997*00*PARALI DENTAT*2*   *99999*999999*00010*999999*00010*999999*2* *     * *     *
  *                                                                  *
 *6*80*02997*00*PARALI DENTAT*2*001*  1* 290*  1* 200*  1* 264*  1* 310*  1* 184*  1* 277*  2* 292*  1* 255*  1* 303*   *    *
  *   *    *   *    *   *    *   *    *    *
C*2*80*02997*05*              .* *   *1585.8*1585.8*00*0*
  *                                                                                                  *
D*3*80*02997*05*MOLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*80*02997*05*ACIPEN OXYRHY*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*80*02997*05*CENTRO STRIAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
D*3*80*02997*05*POMATO SALTAT*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
D*3*80*02997*05*CYNOSC RECALI*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
D*3*80*02997*05*MICROP UNDULA*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
D*3*80*02997*05*SCOMBE CAVALL*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
D*3*80*02997*05*PARALI DENTAT*2*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
D*6*80*02997*05*PARALI DENTAT*2*001*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*    *    *
  *   *   *   *   *   *   *   *   *   *
C*1*80*03000*  *           .* *   *433*801217*   *C0C6C100C0* N*19* *    * .  *553*    *    *C1.5*1*3*  * *   *   *   *   *
  *   *   *   4*   *   *  * *    * *  * *  * * * *06*
 *2*80*03000*C0*           .* *   *9555559555559*08*0*
  *                                                                                *
 *3*80*03000*C0*MOLLUS CEPHAL*0*   *99999*999999*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
 *3*80*03000*C0*ACIPEN OXYRHY*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
 *3*80*03000*C0*POMATO SALTAT*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
 *3*80*03000*C0*CYNOSC RECALI*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
 *3*80*03000*C0*MICROP UNDULA*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
 *3*80*03000*C0*EUTHYN ALLETT*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
 *3*80*03000*C0*PEPRIL TRIACA*0*   *9555559555559*99995*999999*99999*999999*0* *     * *     *
  *                                                                                *
 *3*80*03000*C0*PARALI DENTAT*2*   *9555559555559*00004*999999*00004*999999*2* *     * *     *
  *                                                                                *
 *6*80*03000*C0*PARALI DENTAT*2*001*  1* 223*  1* 232*  1* 196*  1* 214*   *    *    *    *    *    *    *    *    *    *    *    *
```

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
   *   *    *   *    *   *    *   *    *    *

C*2*80*03000*C5*            .* *   *8830.2*8830.2*00*C*
   *                                                                                                  *

D*3*80*03000*C5*MOLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*3*80*03000*C5*ACIPEN OXYRHY*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*3*80*03000*05*PCMATC SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*3*80*03000*C5*CYNOSC REGALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*3*80*03000*C5*MICROP UNDULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*3*80*03000*05*EUTHYN ALLETT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*3*80*03000*C5*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*3*80*03000*C5*PARALI DENTAT*2*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*6*80*03000*C5*PARALI DENTAT*2*001*111*1111*111*1111*111*1111*111*1111*111*1111*   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

D*3*81*01598*C1*ETRUME TERES *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*6*81*01598*C1*ETRUME TERES *0*001*111*1111*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

 *3*81*01598*C1*GOBIOS BOSCI *0*   *00001*999999*00001*999999*00001*999999*2* *     * *     *
   *                                                                *

 *6*81*01598*C1*GOBIOS BOSCI *0*001*  1*  36*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

D*3*81*01599*01*ETRUME TERES *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                *

D*6*81*01599*C1*ETRUME TERES *0*001*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*   *    *
   *   *    *   *    *   *    *   *    *    *
```

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

 *3*81*01599*01*GOBIOS BOSCI *0*   *00009*999999*00009*999999*00009*999999*2* *     * *     *
   *                                                          *

 *6*81*01599*01*GOBIOS BOSCI *0*001*  1*  26*  1*  40*  1*  24*  1*  40*  1*  32*  1*  31*  1*  34*  1*  28*  1*  29*   *    *
   *   *    *   *    *   *    *   *    *    *

D*3*81*01758*01*BAIRDI CHRYSO*1*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                          *

D*6*81*01758*01*BAIRDI CHRYSO*1*001*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*
   *111*1111*   *    *   *    *   *    *    *

D*3*81*01758*01*BAIRDI CHRYSO*2*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                          *

D*6*81*01758*01*BAIRDI CHRYSO*2*001*111*1111*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

 *3*81*01758*01*LEIOST XANTHU*1*   *00334*999999*00334*999999*00030*999999*2* *     * *     *
   *                                                          *

 *6*81*01758*01*LEIOST XANTHU*1*001*  5*  40*  5*  39*  6*  38*  1*  52*  1*  35*  1*  43*  2*  36*  2*  42*  1*  33*  2*  37*
   *  4*  41*   *    *   *    *   *    *    *

 *3*81*01758*01*LEIOST XANTHU*2*   *00002*999999*00002*999999*00002*999999*2* *     * *     *
   *                                                          *

 *6*81*01758*01*LEIOST XANTHU*2*001*  1* 132*  1* 126*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

C*3*81*01780*01*PENAEU SETIFE*0*   *00001*00.010*00001*00.010*00001*00.010*1* *     * *     *
   *                                                          *

D*3*81*01821*01*CENTRO STRIAT*0*   *00001*999999*00001*999999*00001*999999*2* *     * *     *
   *                                                          *

D*6*81*01821*01*CENTRO STRIAT*0*001*111*1111*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

 *3*81*01821*01*ORTHOP CHRYSO*0*   *00001*999999*00001*999999*00001*999999*2* *     * *     *
   *                                                          *

 *6*81*01821*01*ORTHOP CHRYSO*0*001*  1* 141*   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

C*4*81*01832*01*ANCHOA MITCHI*0*010*001*  62* *     * * *    *    *    *   * * *     * * *  *  *
   *
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
D*3*81*01844*C1*ETHEOS FUSIFO*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *
D*6*81*01844*C1*ETHEOS FUSIFO*0*C01*111*1111*111*1111*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
  *   *   *   *   *   *   *   *   *   *
 *3*81*01844*C1*CHAETO FABER *0*   *CCCC2*999999*00002*999999*00002*999999*2* *     * *     *
  *
 *6*81*01844*C1*CHAETO FABER *0*001*  1*  22*  1*  27*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
  *   *   *   *   *   *   *   *   *   *
D*3*81*01847*C1*ETHEOS FUSIFO*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *
D*6*81*01847*C1*ETHEOS FUSIFO*0*001*111*1111*111*1111*111*1111*111*1111*   *   *   *   *   *   *   *   *   *   *   *   *   *
  *   *   *   *   *   *   *   *   *   *
 *3*81*01847*C1*CHAETO FABER *0*   *CCCC6*999999*CCCC6*999999*00006*999999*2* *     * *     *
  *
 *6*81*01847*C1*CHAETO FABER *0*001*  2*  33*  1*  31*  1*  37*  2*  38*   *   *   *   *   *   *   *   *   *   *   *   *   *
  *   *   *   *   *   *   *   *   *   *
 *3*81*01865*C1*ETHEOS FUSIFO*0*   *CCCC6*999999*000C6*999999*00006*999999*2* *     * *     *
  *
D*3*81*01865*C1*ETHEOS FUSIFO*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *
 *6*81*01865*01*ETHEOS FUSIFO*0*001*  2*  71*  1*  74*  1*  40*  1*  64*  1*  50*   *   *   *   *   *   *   *   *   *   *   *
  *   *   *   *   *   *   *   *   *   *
D*6*81*01865*C1*ETHEOS FUSIFO*0*001*111*1111*111*1111*111*1111*111*1111*111*1111*   *   *   *   *   *   *   *   *   *   *   *
  *   *   *   *   *   *   *   *   *   *
C*4*81*01868*C1*SYMPHL PLAGIU*0*001*001*  38* *     * * *   *     *   *   * * *     * * *   *   *
  *
C*4*81*01884*C1*LEIOST XANTHU*0*003*0C1*  122* *     * * *   *     *   *   * * *     * * *   *   *
  *
D*3*81*01905*C1*PALAEM INTERM*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *
D*6*81*01905*C1*PALAEM INTERM*0*001*111*1111*111*1111*111*1111*111*1111*111*1111*   *   *   *   *   *   *   *   *   *   *   *
  *   *   *   *   *   *   *   *   *   *
 *3*81*01905*01*PALAEM PUGIC *0*   *0CCC5*999999*000C5*999999*00005*999999*2* *     * *     *
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
  *                                                                  *
 *6*81*01905*01*PALAEM PUCIC *0*C01*  1*  24*  1*  25*  1*  31*  1*  33*  1*  30*   *    *   *    *   *    *   *    *   *    *
  *   *    *   *    *   *    *   *    *    *
C*1*81*01929*  *            .* *   *433*8112C8*     *0005030CCC* N*19* *    *    *553*    *    *    *1*3*  * * 18*   *   *   *
  *   *   *   5*   *   *  * *    * *  * *  * * * *06*
 *2*81*01929*C0*            .* *   *999999*999999*07*C*
  *                                                                                                  *
 *3*81*01929*CC*MCLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*81*01929*C0*POMATO SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*81*01929*C0*CYNOSC NEBULO*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*81*01929*CC*CYNOSC REGALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*81*01929*C0*LEIOST XANTHU*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*81*01929*C0*LEIOST XANTHU*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*81*01929*C0*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
 *3*81*01929*C0*PARALI DENTAT*2*   *99999*999999*00012*999999*00012*999999*2* *     * *     *
  *                                                                  *
 *6*81*01929*C0*PARALI DENTAT*2*CC1*  2* 275*  1* 285*  1* 254*  1* 265*  1* 226*  1* 195*  1* 270*  1* 268*  1* 283*  1* 224*
  *  1* 267*   *    *   *    *   *    *    *
C*2*81*01929*C5*            .* *   *0C1897*CC1897*CC*C*
  *                                                                                                  *
D*3*81*01929*C5*MCLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*81*01929*C5*POMATO SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
D*3*81*01929*C5*CYNOSC NEBULO*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
  *                                                                  *
```

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

D*3*81*01929*05*CYNOSC RECALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

D*3*81*01929*05*PEPRIL TRIACA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

D*3*81*01929*05*PARALI DENTAT*2*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

D*6*81*01929*05*PARALI DENTAT*2*001*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*
   *111*1111*   *    *   *    *   *    *    *

C*1*81*01935*  *            .* *   *433*811218*     *0005020000* N*19* *   *    *553*    *    *01.5* *3*  * * 18*   *   *   *
   *   *   *    *   *   *  * *    * *  * *  * * * *06*

 *2*81*01935*00*            .* *   *999999*999999*06*0*
   *                                                                                                  *

 *3*81*01935*00*MOLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

 *3*81*01935*00*ACIPEN OXYRHY*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

 *3*81*01935*00*PCMATC SALTAT*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

 *3*81*01935*00*CYNOSC RECALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

 *3*81*01935*00*MENTICIRRHUS *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

 *3*81*01935*00*MICROP UNCULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

D*3*81*01935*00*MICROP UNCULA*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

C*2*81*01935*05*            .* *   *000062*000062*00*0*
   *                                                                                                  *

D*3*81*01935*05*MOLLUS CEPHAL*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *

D*3*81*01935*05*ACIPEN OXYRHY*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                                  *
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
C*3*81*01935*C5*PCMATC SALTAT*0*   *99999*999999*99999*999999*99999*999999*C* *     * *     *
D*3*81*01935*C5*CYNOSC REGALI*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
D*3*81*01935*C5*MENTICIRRHUS *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
 *4*82*00447*00*LEIOST XANTHU*0*CC8*0C1* 152* *     * * *   *   *   *   * * *     *1*1*01*  *
 *4*82*00447*C0*LEIOST XANTHU*0*009*0C1* 197* *     * * *   *   *   *   * * *     *1*1*02*  *
 *4*82*00447*C0*LEIOST XANTHU*0*010*001* 152* *     * * *   *   *   *   * * *     *1*1*01*  *
D*3*82*00883*C1*ETRUME TERES *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
D*6*32*00883*C1*ETRUME TERES *0*CC1*111*1111* *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
 *3*82*CC883*C1*GOBIOS BOSCI *0*   *0C0C1*999999*00001*999999*00001*999999*2* *     * *     *
 *6*82*C0883*C1*GOBIOS BOSCI *0*C01*  1*  22*  *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
C*4*82*02876*C1*PUMATC SALTAT*2*C2C*0C3* 3C3* *     * * *   *   *   *   * * *     * * * *  *
C*4*82*02878*C4*PARALI DENTAT*5*011*0C2* 418* *     * * *   *   *   *   * * *     * * * *  *
C*2*82*02880*1C*          .* *   *0317.5*0217.5*01*C*
C*3*82*02904*04*MICROP UNCULA*0*   *17587*CC2638*00148*0022.2*00148*0022.2*2* *     * *     *
C*4*83*00157*C1*MICROP UNCULA*0*008*001* 325* *     * * *   *   *   *   * * *     * * * *  *
C*1*83*0C814*  *          .* *   *120*83052?*A13  *C5284C0000*  *  * *1345*  5*556*002C*0.75*0.25*1*3*  * *   *  *236*228*
   *058*061*   *   *   * * *   * * * * * * * * *01*
C*1*83*01069*  *          .* *   *12C*83C603*J10  *0537C4C1CC*  *  * *1730*  1*556*10.5*0.25*.125*1*3*  * *   *  *271*270*
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
   *141*141*    *   *   *  * *    * *  * *  * * * *C1*
 *3*83*02644*C6*MYCTER MICRCL*0*   *0CCC1*CC05.4*C0CC1*0CC5.4*00001*0005.4*0* *     * *     *
   *
D*3*83*02644*C6*MYCTER BONACI*C*   *9555S*555559*59955*999999*99999*959555*0* *     * *     *
   *                                                                                *
C*3*83*02653*CC*GALEOC CUVIER*0*   *00001*959595*CCCC1*959999*00001*999999*0* *     * *     *
   *                                                                                *
C*4*83*02655*C7*RHCMBC AUFORU*3*C19*0C1* 52C* *     * * *   *   *   *   * * *     * * * *  *
   *                                                                                *
C*3*83*02656*IC*CENTRO STRIAT*4*   *9S9S9*CCCC.9*99999*0000.9*99999*0C0C.9*0* *     * *     *
   *                                                                                *
C*3*83*C2661*CC*CARETT CARETT*0*   *00001*555559*000C1*999999*00001*999999*0* *     * *     *
   *                                                                                *
C*3*83*02661*CC*CARCHARHINICA*0*   *0C0C1*959999*000C1*555999*00001*959999*0* *     * *     *
   *                                                                                *
C*4*83*02663*C1*MYCTER PHENAX*0*CC2*CC1* 58C* *     * * *   *   *   *   * * *     * * * *  *
   *                                                                                *
D*3*83*02666*C2*MYCTER MICRCL*0*   *95595*555559*59955*999999*99999*999999*0* *     * *     *
   *                                                                                *
 *3*93*02666*C2*MYCTER PHENAX*0*   *0C041*C11C.7*00041*011C.7*00041*0110.7*0* *     * *     *
   *                                                                                *
C*4*83*02730*C1*MORONE AMERIC*2*CC1*0C2* 23C* *     * * *   *   *   *   * * *     * * * *  *
   *                                                                                *
C*6*83*02730*C1*MORONE AMERIC*2*007*  1* 165*  1* 153*  1* 144*  2* 142*  1* 145*  1* 167*  1* 143*  *   *   *   *   *   *
   *   *   *   *   *   *   *   *   *   *
D*6*83*02730*C1*MORONE AMERIC*2*014*111*1111*  *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
   *   *   *   *   *   *   *   *   *   *
C*4*83*02737*C1*ALOSA AESTIV *1*CC3*011*  55* *     * * *   *   *   *   * * *     * * * *  *
   *                                                                                *
C*6*83*02737*C1*ALOSA AESTIV *1*007*  2*  56*  3*  58*  1*  52*  *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
   *   *   *   *   *   *   *   *   *   *
D*6*83*02737*C1*ALOSA AESTIV *1*010*111*1111*  *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
   *   *   *   *   *   *   *   *   *   *
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

C*1*83*02926*  *            .* *   *438*821107*09025*C0C4CCCCC0*  *  * *    *    *424*    *0004*    * * *  * * 4C*   *   *   *
   *   *   *   1*   *   *  * *    * *  * *  * * * *07*

C*4*83*02993*C1*CALLIN SAFICU*0*CC1*CC1*  16* *     *2* *    *    *    *    * * *      * * *  *  *
   *                                                          *

C*4*83*C2993*C1*CALLIN SAPICU*0*0C2*CC1*  11* *     *2* *    *    *    *    * * *      * * *  *  *
   *                                                          *

D*3*83*03059*C1*LUTJANUS     *0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                          *

 *3*83*03059*C1*LUTJAN SYNAGR*0*   *CCCC1*999999*00001*999999*00001*999999*0* *     * *     *
   *                                                          *

C*3*83*03073*C1*MYCTER PHENAX*0*   *0CC33*CC92.1*00033*0092.1*00033*0092.1*0* *     * *     *
   *                                                          *

 *3*83*C3074*15*EPINEP NICRIT*0*   *0C0C3*C254.C*C0CC3*0254.0*00003*0254.0*4* *     * *     *
   *                                                          *

 *4*83*03074*15*EPINEP NICRIT*0*CC1*0C1*166C* * 88.9* * *    *    *    *    * * *      * * *  *  *
   *                                                          *

 *4*83*C3074*15*EPINEP NICRIT*0*CC2*0C1*14CC* * 51.7* * *    *    *    *    * * *      * * *  *  *
   *                                                          *

 *4*83*03074*15*EPINEP NICRIT*0*003*001*177C* *113.4* * *    *    *    *    * * *      * * *  *  *
   *                                                          *

D*3*83*03074*15*PARANT FURCIF*0*   *99999*999999*99999*999999*99999*999999*0* *     * *     *
   *                                                          *

D*6*83*03074*15*PARANT FURCIF*0*CC1*111*1111*111*1111*111*1111*   *    *   *    *   *    *   *    *   *    *   *    *   *    *
   *   *    *   *    *   *    *   *    *    *

C*2*83*C3129*C1*            .* *   *999999*999999*08*0*
   *                                                                                          *

 *3*83*03129*C1*PERACA MYSICA*0*   *99995*999999*99995*999999*99995*999999*0* *     * *     *
   *                                                          *

 *3*83*03129*C1*ACETES AMERIC*0*   *99995*999999*99995*999999*99995*999999*0* *     * *     *
   *                                                          *

C*4*83*03133*C1*CALLIN SAPIDU*0*005*001* 148* *     *2*3*    *    *    *    * * *      * * *  *  *
   *                                                          *
```

WARNING  THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES' DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

C*4*83*03157*C1*MICROP UNCULA*0*0C2*CC1*  2*  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
  *                                                                                                                          *

C*3*83*C3164*C0*CENTRC STRIAT*3*   *D00C1*999999*C0CC1*999999*00001*999999*0* *     * *    *
  *                                                                                                                          *

 *3*83*03164*C0*SERIOL DUMERI*0*   *999999*999999*99999*999999*999999*999999*0* *     * *    *
  *                                                                                                                          *

D*3*83*03164*C0*SPHYRA BARRAC*0*   *999999*999999*99999*999999*99999*999999*0* *     * *    *
  *                                                                                                                          *

 *3*83*03166*C0*CENTRC STRIAT*2*   *99999*999999*99999*999999*00020*0003.4*2* *     * *    *
  *                                                                                                                          *

 *6*83*03166*CC*CENTRC STRIAT*2*0C1*  1* 200*  1* 190*  1* 200*  1* 200*  1* 205*  1* 210*  1* 24C*  1* 210*  1* 210*  1* 200*
  *  1* 210*  1* 205*  1* 20C*  1* 225*     *

 *6*83*03166*CC*CENTRC STRIAT*2*C15*  1* 21C*  1* 200*  1* 205*  1* 215*  1* 215*  1* 205*   *    *    *    *    *    *    *    *
  *    *    *    *    *    *    *    *    *    *

D*3*83*03166*CC*CENTRC PHILAD*2*   *999999*999999*99999*999999*99999*999999*0* *     * *    *
  *                                                                                                                          *

D*6*83*03166*CC*CENTRC PHILAD*2*001*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*
  *111*1111*111*1111*111*1111*111*1111*     *

D*6*83*03166*CC*CENTRC PHILAD*2*CC1*111*1111*111*1111*111*1111*111*1111*111*1111*111*1111*   *    *    *    *    *    *    *    *
  *    *    *    *    *    *    *    *    *    *

D*3*83*03643*C0*   874105C500*0*   *999999*999999*99999*999999*99999*999999*0* *     * *    *
  *                                                                                                                          *

 *3*83*03643*CC*MURAEN ROEUST*0*   *00001*999999*00001*999999*00001*999999*0* *     * *    *
  *                                                                                                                          *

D*3*83*03643*C0*   885002C5C1*0*   *999999*999999*99999*999999*99999*999999*0* *     * *    *
  *                                                                                                                          *

 *3*83*03643*CC*SCOMBE CAVALL*0*   *00014*CC6C.3*C0014*0060.3*00005*0020.9*0* *     * *    *
  *                                                                                                                          *

 *2*84*0CC04*CC*            .* *   *999999*999999*09*C*                                                                    *

C*1*84*00005*  *           .* *   *433*84C1C6*     *0005030000* N*19* *    *2880*553*0090*    *1.25* * *  * * 18*  *    *    *
  *    *    *    *    *    * * *    * *  * *  * * *21*

 *1*84*00019*  *           .* *   *434*84C2C1*     *0005040000* N*19* *    *2880*245*300C*0005*    * * *  * * 15*-  *    *    *
```

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.

CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
  *   *   *    *   *   *  * *    * *  * *  * * * *02*

*2*84*00019*C0*            .* *   *999999*999999*01*0*
  *                                                                                                  *

*3*84*00019*C0*MORONE SAXATA*0*   *00001*0015.4*00001*0015.4*00001*0015.4*4* *     * *     *
  *                                                                  *

*4*84*00019*C0*MORONE SAXATA*0*001*001*1086* * 15.4*2* *    *    *    *    * * *      *3*1*  *  *
  *                                                                  *

*2*84*00019*C1*            .* *   *0015.4*0015.4*01*0*
  *                                                                                                  *

*3*84*00019*C1*MORONE SAXATA*5*   *00001*0015.4*00001*0015.4*00001*0015.4*4* *     * *     *
  *                                                                  *

*4*84*00019*C1*MORONE SAXATA*5*001*001*1086* * *    *2* *    *    *    *    * * *      * * *  *  *
  *                                                                  *

*1*84*00020*  *            .* *   *434*840201*    *0005040000* N*19* *    *2880*245*4800*0005*    * * *  * * 15*   *   *   *
  *   *   *    *   *   *  * *    * *  * *  * * * *02*

*2*84*00020*C0*            .* *   *999999*999999*01*0*
  *                                                                                                  *

*3*84*00020*C0*MORONE SAXATA*0*   *00003*0065.2*00003*0065.2*00003*0065.2*4* *     * *     *
  *                                                                  *

*4*84*00020*C0*MORONE SAXATA*0*001*001*1192* * 20.6*2* *    *    *    *    * * *      *3*1*  *  *
  *                                                                  *

*4*84*00020*C0*MORONE SAXATA*0*002*001*1250* * 25.8*2* *    *    *    *    * * *      *3*1*  *  *
  *                                                                  *

*4*84*00020*C0*MORONE SAXATA*0*003*001*1130* * 18.8*2* *    *    *    *    * * *      *3*1*  *  *
  *                                                                  *

*2*84*00020*C1*            .* *   *0065.2*0065.2*01*0*
  *                                                                                                  *

*3*84*00020*C1*MORONE SAXATA*5*   *00003*0065.2*00003*0065.2*00003*0065.2*4* *     * *     *
  *                                                                  *

*7*84*00020*C1*MORONE SAXATA*5*001* 111922 * 112502 *  111302 *         *         *         *         *         *         *
  *         *         *    *

*1*84*00022*  *            .* *   *434*840201*    *0005030000* N*19* *    *  30*240*0900*1.75*    * * *  * * 18*   *   *   *
  *   *   *    *   *   *  * *    * *  * *  * * * *04*
```

APPENDIX C-2a: LAYOUT OF ENVIRONMENTAL PRE-LOAD TABLE

| Positions | Field Name |
|---|---|
| | Table Key |
| 1-3 | PROGRAM |
| 4-13 | STARTING LOCATION |
| 14-18 | STATION |
| | Data to be Stored |
| 19-22 | DURATION OR AREA |
| 23-25 | GEAR |
| 26-29 | GEAR PARM #1 |
| 30-33 | GEAR PARM #2 |
| 34-37 | GEAR PARM #3 |
| 38 | RIG |
| 39 | TYPE OF TOW |
| 40 | SEDIMENT SIZE |
| 41 | BOTTOM COMPOSITION |
| 42 | BOTTOM PROFILE |
| 43-45 | DEPTH |
| 46 | ALTERATION STATE |
| 47-80 | Filler |

APPENDIX C-2b: JCL TO COMPILE A REVISED ENVIRONMENTAL PRE-LOAD TABLE

```
//TS19P60C JOB ('P60.C2',TSO,
//             NM099),0002.EPPERLY,TIME=1,MSGCLASS=2,
//             NOTIFY=TS19P60,PRTY=9
//********************* NERTSO.TEAM19.DATA(ENVIRTAB) **********************
//*   THIS IS THE D.M.F. ENVIRONMENTAL DATA PRELOAD TABLE.
//*   IT SHOULD SUBMITTED TO BE COPIED TO TAPE AFTER EACH UPDATE.
//*   ENTRIES MUST BE IN SEQUENCE BY THE TABLE KEY COLUMNS 01 - 18.
//*   THE FORMAT IS AS FOLLOWS:
//*      COL.01 - 03  PROGRAM TYPE                  ...    ----------
//*          04 - 08  STARTING LOCATION, LATITUDE    .    THIS IS THE
//*          09 - 13  STARTING LOCATION, LONGITUDE   .     TABLE KEY.
//*          14 - 18  STAT NUMBER                    ...    ----------
//*          19 - 22    DURATION
//*          23 - 25    GEAR TYPE
//*          26 - 29    GEAR PARAMETER 1
//*          30 - 33    GEAR PARAMETER 2
//*          34 - 37    GEAR PARAMETER 3
//*               38    RIG
//*               39    TYPE OF TOW
//*               40    SEDIMENT SIZE
//*               41    BOTTOM COMPOSITION
//*               42    BOTTOM PROFILE
//*          43 - 45    DEPTH
//*               46    ALTERATION STATE
//*          47 - 80    *** LEAVE BLANK ***
//UNCAT  EXEC PGM=IEFBR14
//DD       DD DSN=NER.NM.NM099-1,UNIT=DISK,DISP=(MOD,DELETE),
//            SPACE=(TRK,1)
/*
//ST1    EXEC PGM=CARDFILE
//STEPLIB  DD DSN=ADM1.LINKLIB,DISP=SHR
//INPUT    DD *     PRELOAD TABLE DATA IS INSERTED AFTER THIS RECORD
120150000000000000111122233334444555678890001
128150000000000000666677788899990000123345556
/*
//OUTPUT   DD DSN=NER.NM.NM099-1,UNIT=TAPE,DISP=(,CATLG,DELETE),
//            DCB=(RECFM=FB,LRECL=80,BLKSIZE=16000),LABEL=EXPDT=99001
//PRINT    DD SYSOUT=A
//
```

| PROGRAM | VALID GEAR CODES |
|---|---|
| 438 | 118 410 412 420 424 |
| 450 | 500 570 |
| 460 | 150 530 550 554 570 |
| 470 | 110 111 574 575 740 |
| 500, 510 | 150 310 311 500 536 538 550 556 558 559 560 |
| 530 | 111 |
| 540 | 531 556 558 |
| 550 | 111 531 556 558 |
| 610 | 754 830 |
| 615 | 805 |
| 618 | 754 |
| 620 | 746 |
| 630 | 766 |
| 650 | 758 |
| 660 | 754 766 811 830 |
| 670 | 754 |
| 680 | 754 766 |
| 690 | 713 810 |
| 700 | 231 515 531 534 552 560 |
| 705 | 531 552 |
| 710 | 554 560 713 715 |
| 715 | 560 |
| 720 | 118 119 120 411 412 413 420 421 422 423 424 440 531 552 554 560 720 911 926 950 |
| 725 | 531 552 |
| 730 | 119 531 552 |
| 735 | 531 552 |
| 740 | 911 925 926 |
| 745 | 515 |
| 750 | 720 |
| 755 | 552 |
| 760 | 531 552 560 715 720 |
| 765 | 531 552 560 |
| 770 | 500 |
| 775 | 552 |

'000' and '999' valid GEAR codes for any program

APPENDIX C-3 ALLOWABLE ENTRIES FOR GEAR IN EACH PROGRAM

| PROGRAM | VALID GEAR CODES |
|---|---|
| 050 | 200 911 |
| 051 | 200 531 420 911 940 |
| 055 | 200 213 300 500 550 556 |
| 060 | 200 213 300 911 |
| 100 | 130 212 311 530 531 535 538 556 911 |
| 105 | 645 |
| 110 | 531 559 |
| 115 | 130 245 531 605 |
| 120 | 210 211 240 245 311 330 538 556 557 558 559 |
| 125 | 556 |
| 126 | 556 |
| 130 | 212 556 |
| 150 | 130 200 212 220 230 245 247 350 380 420 531 960 |
| 160 | 600 605 645 |
| 170, 180 | 130 200 220 240 245 250 351 352 353 532 550 552 570 574 835 911 920 925 926 950 |
| 175 | 115 |
| 300 | 130 220 230 245 250 320 420 531 940 |
| 320 | 550 |
| 330 | 130 220 245 250 420 531 550 556 |
| 340 | 531 |
| 350 | 130 311 352 353 530 556 570 |
| 400 | 130 200 220 222 230 232 240 242 245 247 250 320 340 352 400 420 421 422 500 |
| 410 | 130 200 220 230 245 247 250 320 340 352 380 420 421 422 500 |
| 420 | 130 200 220 222 232 352 420 500 |
| 421, 422 | 200 |
| 430, 440 | 117 130 200 415 |
| 431, 441 | 130 |
| 432, 442 | 130 |
| 433, 443 | 500 510 530 532 534 538 550 552 553 554 570 572 |
| 434, 444 | 200 220 222 240 242 245 250 |
| 435, 445 | 320 340 |
| 436, 446 | 574 |
| 437, 447 | 320 352 353 |

# APPENDIX C-4.

## COBOL update program

```
TTTTTTTTTTT   SSSSSSSSSS     00000000     2222222222   PPPPPPPPPPP     00000000    555555555555  XX        XX
TTTTTTTTTTT  SSSSSSSSSSSS   0000000000   22222222222  PPPPPPPPPPPP   0000000000   555555555555  XX      XX
     TT      SS        SS  00      0000  22       22  PP        PP  00      0000  55             XX    XX
     TT      SS           00     00 00          22   PP        PP  00     00 00  55              XX  XX
     TT      SSS          00    00  00         22   PPPPPPPPPPPP  00    00  00  55555555         XXXX
     TT       SSSSSSSSS   00   00   00       22     PPPPPPPPPPP   00   00   00  5555555555       XXXX
     TT            SSS    00  00    00      22      PP            00  00    00          55      XX  XX
     TT             SS    0000      00     22       PP            0000      00          55     XX    XX
     TT      SS     SS    000      00    22         PP            000      00    55     55    XX      XX
     TT      SSSSSSSSSSS   0000000000   22222222222  PP             0000000000   555555555555  XX        XX
     TT       SSSSSSSSS     00000000    22222222222  PP              00000000     5555555555  XX          XX


   JJJJJJJJJ  777777777777  6666666666   3333333333                    AAAAAAAAAA
   JJJJJJJJJ  777777777777  666666666666 333333333333                  AAAAAAAAAAAA
          JJ           77   66        66 33        33                  AA        AA
          JJ           77   66                     33                  AA        AA
          JJ          77    66                     33                  AA        AA
          JJ          77    66666666666          3333                  AAAAAAAAAAAA
          JJ          77    666666666666         3333                  AAAAAAAAAAAA
          JJ          77    66        66           33                  AA        AA
   JJ     JJ          77    66        66           33                  AA        AA
   JJ     JJ          77    66        66 33        33                  AA        AA
   JJJJJJJJ           77    666666666666 333333333333                  AA        AA
    JJJJJ             77     6666666666   3333333333                   AA        AA

*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
*A START JOB 763 TSO2PO5X 0002 0001 JES2   0002.FENNER   ROOM TSO  11.40.02 AM 03 APR 84  PRINTER3  SYS 168A START  A*
```

```
                    J E S 2  J O B  L O G  --  S Y S T E M  1 6 8 A  --  N O D E  J E S 2

 10.43.03 JOB  763  IEF677I WARNING MESSAGE(S) FOR JOB TSO2P05X ISSUED
 10.43.03 JOB  763  $HASP373 TSO2P05X STARTED - INIT 27 - CLASS A - SYS 168A
 10.43.03 JOB  763  IEF403I TSO2P05X - STARTED - TIME=10.43.03
 10.43.11 JOB  763  -                                --TIMINGS (MINS.)--            ----PAGING COUNTS---
 10.43.11 JOB  763  -JOBNAME  STEPNAME PROCSTEP    RC   EXCP    CPU    SRB  CLOCK   SERV  PG   PAGE   SWAP    VIO SWAPS
 10.43.11 JOB  763  -TSO2P05X PGLCCL   LIBR        00    266    .01    .00     .1   4596   1      0      0      0      0
 10.44.06 JOB  763  -TSO2P05X PGLCCL   COB         04   1950    .13    .00     .9  37796   1      7    165      0      1
 10.44.17 JOB  763  $HASP375 TSO2P05X ESTIMATED LINES EXCEEDED
 10.44.19 JOB  763  -TSO2P05X PGLCCL   PG150       00   1130    .04    .00     .2  15992   1     10      0      0      0
 10.44.26 JOB  763  -TSO2P05X PGLCCL   LKED        00    254    .00    .00     .1   2751   1      0      0      0      0
 10.44.26 JOB  763  IEF404I TSO2P05X - ENDED - TIME=10.44.26
 10.44.26 JOB  763  -TSO2P05X ENDED.- NAME-0002.FENNER      -TOTAL CPU TIME=    .19 TOTAL ELAPSED TIME=    1.3
 10.44.26 JOB  763  $HASP395 TSO2P05X ENDED

        JES2 JOB STATISTICS

 03 APR 84 JOB EXECUTION DATE

          13 CARDS READ

       8,421 SYSOUT PRINT RECORDS

           0 SYSOUT PUNCH RECORDS

        1.39 MINUTES EXECUTION TIME
```

```
//TS02P05X  JOB ('P05.C2',TSO,NM100),0002.FENNER,TIME=1,PRTY=9,          JOB  763
//            MSGCLASS=2,NOTIFY=TS02P05
*********************************************************************
***              ADMTSO.TEAM02.DATAP05(NM100SUB)
***   COMPILE & LINK COBOL SOURCE (W/O DLI READ) FROM LIBRARIAN
*********************************************************************
//PGLCCL   EXEC PGLCCL,LIB=SYS1,DEPT=NER1,MBR=NM100X
XX         PROC LIB=,DEPT=,MBR=                                        00000107
XXLIBR     EXEC PGM=LIBR,PARM='DEPTH=60,NJTA,NRJS'                     00000200
XXSTEPLIB  DD DSN=SYS1.LIBR,DISP=SHR                                   00000300
XXMASTER   DD DSN=&LIB..SOURCE,DISP=SHR                                00000403
XXSYSPRINT DD SYSOUT=*,DCB=BLKSIZE=133                                 00000500
XXLIST     DD SYSOUT=*,DCB=BLKSIZE=133                                 00000600
XXOSJOB    DD UNIT=DISK,DISP=(,PASS),DCB=BLKSIZE=4560,                 00000706
XX            SPACE=(4560,(200,100),RLSE)                              00000800
XXSYSPUNCH DD SYSOUT=B,DCB=BLKSIZE=80                                  00000900
XXSYSAF02  DD UNIT=DISK,SPACE=(CYL,(1,1))                              00001006
//LIBR.SYSIN DD *
XXCOB      EXEC PGM=IKFCBL00,PARM='DMAP,CLIST,SXREF,SUP',              00001100
XX            COND=(5,LT,LIBR)                                         00001200
XXSTEPLIB  DD DSN=SYS1.COBOL,DISP=SHR                                  00001300
XXSYSPRINT DD DSN=&&PRINT,UNIT=DISK,SPACE=(CYL,(3,3),RLSE),            00001400
XX            DISP=(NEW,PASS,DELETE),                                  00001500
XX            DCB=(RECFM=FBA,LRECL=121,BLKSIZE=6171)                   00001600
XXSYSUDUMP DD SYSOUT=2,DCB=BLKSIZE=133                                 00001700
XXSYSUT1   DD DSN=&&SYSUT1,UNIT=DISK,SPACE=(TRK,(50,10))               00001806
XXSYSUT2   DD DSN=&&SYSUT2,UNIT=DISK,SPACE=(TRK,(50,10))               00001906
XXSYSUT3   DD DSN=&&SYSUT3,UNIT=DISK,SPACE=(TRK,(50,10))               00002006
XXSYSUT4   DD DSN=&&SYSUT4,UNIT=DISK,SPACE=(TRK,(50,10))               00002106
XXSYSLIN   DD DSNAME=&&LOADSET,DISP=(MOD,PASS),UNIT=DISK,              00002206
XX            SPACE=(3120,(200,100),RLSE),DCB=BLKSIZE=3120             00002300
XXSYSIN    DD DSN=*.LIBR.OSJOB,DISP=(OLD,DELETE)                       00002400
XXPG150    EXEC PGM=PG150,PARM='OPT1,OPT2,OPT3',                       00002500
XX            COND=(5,LT,LIBR)                                         00002605
XXSTEPLIB  DD DSN=PED1.LINKLIB,DISP=SHR                                00002700
XXLISTING  DD SYSOUT=*,                                                00002900
XX            DCB=(RECFM=FA,LRECL=133,BLKSIZE=133)                     00003000
XXLIST2    DD SYSOUT=*,                                                00003100
XX            DCB=(RECFM=FA,LRECL=133,BLKSIZE=133)                     00003200
XXUNUSEDRE DD SYSOUT=*,                                                00003300
XX            DCB=(RECFM=FA,LRECL=133,BLKSIZE=133)                     00003400
XXWORKFILE DD UNIT=DISK,SPACE=(CYL,(5,5),RLSE),                        00003500
XX            DCB=(RECFM=FBA,LRECL=121,BLKSIZE=6171)                   00003600
XXCOBLIST  DD DSN=&&PRINT,DISP=(OLD,DELETE,DELETE)                     00003700
XXSYSUDUMP DD SYSOUT=*,DCB=BLKSIZE=133                                 00003805
XXLKED     EXEC PGM=IEWL,PARM='LIST,XREF,LET,REUS',                    00003900
XX            COND=((5,LT,LIBR),(7,LT,COB)),TIME=(,45)                 00004000
XXSYSLIN   DD DSNAME=&&LOADSET,DISP=(OLD,DELETE)                       00004100
XX         DD DDNAME=SYSIN                                             00004200
XXSYSLIB   DD DSNAME=SYS1.COBLIB,DISP=SHR                              00004300
XXSYSUT1   DD DSN=&&SYSUT1,UNIT=DISK,SPACE=(TRK,(50,10))               00004406
XXSYSPRINT DD SYSOUT=*,DCB=BLKSIZE=121,OUTLIM=02500                    00004500
XXSYSLMOD  DD DSN=&DEPT..LINKLIB(&MBR),DISP=SHR                        00004602
```

```
 STMT NO. MESSAGE
      6      IEF653I SUBSTITUTION JCL -- DSN=SYS1.SOURCE,DISP=SHR
     37      IEF653I SUBSTITUTION JCL - DSN=NER1.LINKLIB(NM100X),DISP=SHR
     37      IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED
IEF236I ALLOC. FOR TS02P05X LIBR PGLCCL
IEF237I 120  ALLOCATED TO STEPLIB
IEF237I 520  ALLOCATED TO MASTER
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO LIST
IEF237I 150  ALLOCATED TO OSJOB
IEF237I JES2 ALLOCATED TO SYSPUNCH
IEF237I 140  ALLOCATED TO SYSAFD2
IEF237I JES2 ALLOCATED TO SYSIN
IEF142I TS02P05X LIBR PGLCCL - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS1.LIBR                                        KEPT
IEF285I   VOL SER NOS= SCC006.
IEF285I   SYS1.SOURCE                                      KEPT
IEF285I   VOL SER NOS= SCC020.
IEF285I   JES2.JOB00763.S00102                             SYSOUT
IEF285I   JES2.JOB00763.S00103                             SYSOUT
IEF285I   SYS84094.T104303.RA000.TS02P05X.R0000001         PASSED
IEF285I   VOL SER NOS= SCC150.
IEF285I   JES2.JOB00763.S00104                             SYSOUT
IEF285I   SYS84094.T104303.RA000.TS02P05X.R0000002         DELETED
IEF285I   VOL SER NOS= SCC140.
IEF285I   JES2.JOB00763.S10101                             SYSIN
IEF373I STEP /LIBR     / START 84094.1043
IEF374I STEP /LIBR     / STOP  84094.1043 CPU     0MIN 01.00SEC SRB     0MIN 00.08SEC VIRT     96K SYS    240K EXT        0K SYS     8840K
IEF236I ALLOC. FOR TS02P05X COB PGLCCL
IEF237I 330  ALLOCATED TO STEPLIB
IEF237I 634  ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF237I 636  ALLOCATED TO SYSUT1
IEF237I 140  ALLOCATED TO SYSUT2
IEF237I 140  ALLOCATED TO SYSUT3
IEF237I 636  ALLOCATED TO SYSUT4
IEF237I 140  ALLOCATED TO SYSLIN
IEF237I 150  ALLOCATED TO SYSIN
IEF142I TS02P05X COB PGLCCL - STEP WAS EXECUTED - COND CODE 0004
IEF285I   SYS1.COBOL                                       KEPT
IEF285I   VOL SER NOS= SCCB30.
IEF285I   SYS84094.T104303.RA000.TS02P05X.PRINT            PASSED
IEF285I   VOL SER NOS= PUB002.
IEF285I   JES2.JOB00763.S00105                             SYSOUT
IEF285I   SYS84094.T104303.RA000.TS02P05X.SYSUT1           DELETED
IEF285I   VOL SER NOS= PUB001.
IEF285I   SYS84094.T104303.RA000.TS02P05X.SYSUT2           DELETED
IEF285I   VOL SER NOS= SCC140.
IEF285I   SYS84094.T104303.RA000.TS02P05X.SYSUT3           DELETED
IEF285I   VOL SER NOS= SCC140.
IEF285I   SYS84094.T104303.RA000.TS02P05X.SYSUT4           DELETED
IEF285I   VOL SER NOS= PUB001.
IEF285I   SYS84094.T104303.RA000.TS02P05X.LOADSET          PASSED
IEF285I   VOL SER NOS= SCC140.
IEF285I   SYS84094.T104303.RA000.TS02P05X.R0000001         DELETED
IEF285I   VOL SER NOS= SCC150.
IEF373I STEP /COB      / START 84094.1043
IEF374I STEP /COB      / STOP  84094.1044 CPU     0MIN 07.88SEC SRB     0MIN 00.61SEC VIRT    248K SYS    252K EXT        0K SYS     8840K
IEF236I ALLOC. FOR TS02P05X PG150 PGLCCL
IEF237I 62E  ALLOCATED TO STEPLIB
IEF237I 757  ALLOCATED TO SYS00075
IEF237I JES2 ALLOCATED TO LISTING
```

```
IEF237I JES2 ALLOCATED TO LIST2
IEF237I JES2 ALLOCATED TO UNUSEDRF
IEF237I 150  ALLOCATED TO WORKFILE
IEF237I 634  ALLOCATED TO COBLIST
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF142I TS02P05X PG150 PGLCCL - STEP WAS EXECUTED - COND CODE 0000
IEF285I   PED1.LINKLIB                                 KEPT
IEF285I   VOL SER NOS= SCC62E.
IEF285I   SYSCTLG.VSYSTEM                              KEPT
IEF285I   VOL SER NOS= SYSTEM.
IEF285I   JES2.JOB00763.S00106                         SYSOUT
IEF285I   JES2.JOB00763.S00107                         SYSOUT
IEF285I   JES2.JOB00763.S00108                         SYSOUT
IEF285I   SYS84094.T104303.RA000.TS02P05X.R0000003     DELETED
IEF285I   VOL SER NOS= SCC150.
IEF285I   SYS84094.T104303.RA000.TS02P05X.PRINT        DELETED
IEF285I   VOL SER NOS= PUB002.
IEF285I   JES2.JOB00763.S00109                         SYSOUT
IEF373I STEP /PG150   / START 84094.1044
IEF374I STEP /PG150   / STOP  84094.1044 CPU     0MIN 02.48SEC SRB     0MIN 00.20SEC VIRT    104K SYS    392K EXT       0K SYS     8840K
IEF236I ALLOC. FOR TS02P05X LKED PGLCCL
IEF237I 140  ALLOCATED TO SYSLIN
IEF237I DMY  ALLOCATED TO
IEF237I 330  ALLOCATED TO SYSLIB
IEF237I 150  ALLOCATED TO SYSUT1
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 62F  ALLOCATED TO SYSLMOD
IEF237I 757  ALLOCATED TO SYS00077
IEF142I TS02P05X LKED PGLCCL - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS84094.T104303.RA000.TS02P05X.LOADSET      DELETED
IEF285I   VOL SER NOS= SCC140.
IEF285I   SYS1.COBLIB                                  KEPT
IEF285I   VOL SER NOS= SCC830.
IEF285I   SYS84094.T104303.RA000.TS02P05X.SYSUT1       DELETED
IEF285I   VOL SER NOS= SCC150.
IEF285I   JES2.JOB00763.S00110                         SYSOUT
IEF285I   NER1.LINKLIB                                 KEPT
IEF285I   VOL SER NOS= SCC62F.
IEF285I   SYSCTLG.VSYSTEM                              KEPT
IEF285I   VOL SER NOS= SYSTEM.
IEF373I STEP /LKED    / START 84094.1044
IEF374I STEP /LKED    / STOP  84094.1044 CPU     0MIN 00.27SEC SRB     0MIN 00.08SEC VIRT    264K SYS    248K EXT       0K SYS     8840K
IEF375I  JOB /TS02P05X/ START 84094.1043
IEF376I  JOB /TS02P05X/ STOP  84094.1044 CPU     0MIN 11.63SEC SRB     0MIN 00.97SEC
```

THE MASTER FILE DEFAULTS FOR 'SYS1.SOURCE' ARE

| | | | |
|---|---|---|---|
| NO ARCHIVING ALLOWED | NOBYPP | GPO | SEP |
| PR | NOVAR | EXEC | NOLIST |
| NOPUNCH | BKUPINT=NONE | BVS1 NOT SPECIFIED | BVS2 NOT SPECIFIED |
| TAPEBKUP SPECIFIED | COMPRESS=FULL | RESEQ | SEQUPD ALLOWED |
| SEQ=/1,6,10,10/ | SECURITY INVOKED | NO I/P EXIT REQUIRED | NO O/P EXIT REQUIRED |

THE LIBRARIAN SOURCE MANAGEMENT SYSTEM IS LEASED FROM
APPLIED DATA RESEARCH, INC. FOR THE EXCLUSIVE USE OF
STATE OF NORTH CAROLINA
ALL RIGHTS ARE RESERVED. USE OF THIS SOFTWARE PRODUCT
BY UNAUTHORIZED PERSONS IS PROHIBITED.
VERSION - 3.2 RELEASE DATE - 01/13/83

FOR CUSTOMER SUPPORT DIAL 201-874-9000 TELEX 4754201

```
-SEL NM100X,VVML

MODULE NM100X SUCCESSFULLY PROCESSED
```

RUN NO. 58065 DATE=04/03/84 TIME=1043 SUMMARY OF ACTIVITY SYS1.SOURCE PAGE 1

-SEL FOR MODULE 'NM100X ' WAS SUCCESSFUL. MODULE IS TO BE COMPILED.

```
00001  000010 IDENTIFICATION DIVISION.                                  00010000
00002  000020 PROGRAM-ID.                                               00020000
00003  000030     NM100.                                                00030000
00004  000040 AUTHOR.                                                  00040000
00005  000050     DIANNE NICHOLAS, BRUCE GARNER, LARRY LEIS, & TEAM C.  00050000
00006  000060 DATE WRITTEN.                                            00060000
00007  000070     05/27/81.                                             00070000
00008  000080 DATE-COMPILED. APR  3,1984.                              00080000
00009  000090 INSTALLATION.                                            00090000
00010  000100     SCC.                                                  00100000
00011  000110 REMARKS. FILE CREATE AND UPDATE PROGRAM -                 00110000
00012  000120*     READS TRANS AND PROCESSES AGAINST OLD MASTER CREATING A NEW 00120000
00013  000130*    MASTER, A LIST OF UPDATES TO THE MASTER AND REJECTED   00130000
00014  000140*    TRANSACTIONS, A LIST OF EDIT WARNING MESSAGES AND      00140000
00015  000150*    A LIST OF STRUCTURAL ERRORS.                           00150000
00016  000160*****************************************************************00160000
00017  000170*    CHANGED 04/82 TO ADD ENVIR-PRELOAD ROUTINES            00170000
00018  000180*    CHANGED 02/83 TO ADD MESPP SPECIES VERIFICATION ROUTINE 00180000
00019  000190*****************************************************************00190000
00020  000200*                    NM100X -  VVML                         00200000
00021  000210*****************************************************************00210000
00022  000220 ENVIRONMENT DIVISION.                                     00220000
00023  000230 CONFIGURATION SECTION.                                    00230000
00024  000240 SOURCE-COMPUTER. IBM-370.                                 00240000
00025  000250 OBJECT-COMPUTER. IBM-370.                                 00250000
00026  000260 INPUT-OUTPUT SECTION.                                     00260000
00027  000270 FILE-CONTROL.                                             00270000
00028  000280     SELECT ENVIR-PRELOAD-FILE ASSIGN TO UT-S-NM09911.     00280000
00029  000290     SELECT OLD-MAST      ASSIGN TO UT-S-NM10011.          00290000
00030  000300     SELECT TRANS-FILE    ASSIGN TO UT-S-NM1003I.          00300000
00031  000310     SELECT SORT-FILE     ASSIGN TO UT-S-SORTWK01.         00310000
00032  000320     SELECT NEW-MAST      ASSIGN TO UT-S-NM10010.          00320000
00033  000330     SELECT UPDATE-RPT    ASSIGN TO UT-S-PRINTER1.         00330000
00034  000340     SELECT ERROR-RPT     ASSIGN TO UT-S-PRINTER2.         00340000
00035  000350     SELECT STRUC-ERR-RPT ASSIGN TO UT-S-PRINTER3.         00350000
00036  000360     SELECT LATIN-FILE    ASSIGN TO UT-S-LATIN.            00360000
00037  000370*                                                          00370000
00038  000380 DATA DIVISION.                                            00380000
00039  000390 FILE SECTION.                                             00390000.



00041  000410 FD  ENVIR-PRELOAD-FILE                                    00410000  DNM=6-347  DCB=01
00042  000420     LABEL RECORDS ARE STANDARD                            00420000
00043  000430     RECORDING MODE IS F                                   00430000
00044  000440     BLOCK CONTAINS 0 RECORDS                              00440000
00045  000450     RECORD CONTAINS 80 CHARACTERS.                        00450000
00046  000460 01  ENVIR-PRELOAD-REC          PIC X(80).                00460000  DNM=6-379  BL=1  000  0001  DS 80C
```

```
00048  000480 FD  OLD-MAST                                          00480000  DNM=6-406  DCB=02
00049  000490      LABEL RECORDS ARE STANDARD                        00490000
00050  000500      RECORDING MODE IS F                               00500000
00051  000510      BLOCK CONTAINS 0 RECORDS                          00510000
00052  000520      RECORD CONTAINS 150 CHARACTERS.                   00520000
00053  000530 01  OLDMST-REC                PIC X(150).              00530000  DNM=6-428  BL=2  000  0001  DS 150C

00055  000550 FD  TRANS-FILE                                        00550000  DNM=6-448  DCB=03
00056  000560      LABEL RECORDS ARE STANDARD                        00560000
00057  000570      RECORDING MODE IS F                               00570000
00058  000580      BLOCK CONTAINS 0 RECORDS                          00580000
00059  000590      RECORD CONTAINS 128 CHARACTERS.                   00590000
00060  000600 01  TRANS-REC                 PIC X(128).              00600000  DNM=6-472  BL=3  000  0001  DS 128C

00062  000620 FD  NEW-MAST                                          00620000  DNM=7-000  DCB=04
00063  000630      LABEL RECORDS ARE STANDARD                        00630000
00064  000640      RECORDING MODE IS F                               00640000
00065  000650      BLOCK CONTAINS 0 RECORDS                          00650000
00066  000660      RECORD CONTAINS 150 CHARACTERS.                   00660000
00067  000670 01  NEWMST-REC                PIC X(150).              00670000  DNM=7-022  BL=4  000  0001  DS 150C

00069  000690 FD  UPDATE-RPT                                        00690000  DNM=7-042  DCB=05
00070  000700      LABEL RECORDS ARE OMITTED                         00700000
00071  000710      RECORDING MODE IS F                               00710000
00072  000720      BLOCK CONTAINS 0 RECORDS                          00720000
00073  000730      RECORD CONTAINS 133 CHARACTERS.                   00730000
00074  000740 01  UPD-PRT-LINE              PIC X(133).              00740000  DNM=7-066  BL=5  000  0001  DS 133C

00076  000760 FD  ERROR-RPT                                         00760000  DNM=7-088  DCB=06
00077  000770      LABEL RECORDS ARE OMITTED                         00770000
00078  000780      RECORDING MODE IS F                               00780000
00079  000790      BLOCK CONTAINS 0 RECORDS                          00790000
00080  000800      RECORD CONTAINS 133 CHARACTERS.                   00800000
00081  000810 01  ERR-PRT-LINE              PIC X(133).              00810000  DNM=7-111  BL=6  000  0001  DS 133C

00083  000830 FD  STRUC-ERR-RPT                                     00830000  DNM=7-136  DCB=07
00084  000840      LABEL RECORDS ARE OMITTED                         00840000
00085  000850      RECORDING MODE IS F                               00850000
00086  000860      BLOCK CONTAINS 0 RECORDS                          00860000
00087  000870      RECORD CONTAINS 133 CHARACTERS.                   00870000
00088  000880 01  STRUC-PRT-LINE            PIC X(133).              00880000  DNM=7-166  BL=7  000  0001  DS 133C
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION

00090  000900 SD  SORT-FILE                                                  00900000  DNM=7-190
00091  000910     RECORDING MODE IS F                                        00910000
00092  000920     RECORD CONTAINS 128 CHARACTERS.                            00920000
00093  000930 01  SORT-REC.                                                  00930000  DNM=7-214  BLL=3  000  0001  DS 0CL128
00094  000940     03  SORT-ACTION            PIC X.                          00940000  DNM=7-235  BLL=3  000  0001  DS 1C
00095  000950     03  SORT-TYPE              PIC X.                          00950000  DNM=7-259  BLL=3  001  0002  DS 1C
00096  000960     03  SORT-KEY               PIC X(23).                      00960000  DNM=7-278  BLL=3  002  0003  DS 23C
00097  000970     03  FILLER                 PIC X(103).                     00970000  DNM=7-296  BLL=3  019  0026  DS 103C

00099  000990 FD  LATIN-FILE                                                 00990000  DNM=7-307  DCB=08
00100  001000     LABEL RECORDS ARE STANDARD                                 01000000
00101  001010     RECORDING MODE IS F                                        01010000
00102  001020     BLOCK CONTAINS 0 RECORDS                                   01020000
00103  001030     RECORD CONTAINS 80 CHARACTERS.                             01030000
00104  001040 01  LATIN-RECORD               PIC X(80).                      01040000  DNM=7-331   DL=8  000  0001  DS 80C
```

```
00106  001060 WORKING-STORAGE SECTION.                                  01060000
00107  001070 77  TURN-ON                  PIC X VALUE '1'.              01070000  DNM=7-353  BL=9  000  0001  DS 1C
00108  001080 77  TURN-OFF                 PIC X VALUE '0'.              01080000  DNM=7-370  BL=9  001  0002  DS 1C
00109  001090 77  ABEND-A                  PIC X VALUE SPACE.            01090000  DNM=7-388  BL=9  002  0003  DS 1C
00110  001100 77  CAUSE-ABEND              REDEFINES ABEND-A PIC 9.      01100000  DNM=7-408  BL=9  002  0003  DS 1C
00111  001110 77  R1-PAGE-CNT              PIC 9(3) COMP-3 VALUE ZEROS.  01110000  DNM=7-429  BL=9  003  0004  DS 2P
00112  001120 77  R1-LINE-CNT              PIC 9(3) COMP-3 VALUE ZEROS.  01120000  DNM=7-450  BL=9  005  0006  DS 2P
00113  001130 77  R2-PAGE-CNT              PIC 9(3) COMP-3 VALUE ZEROS.  01130000  DNM=7-471  BL=9  007  0008  DS 2P
00114  001140 77  R2-LINE-CNT              PIC 9(3) COMP-3 VALUE ZEROS.  01140000  DNM=8-000  BL=9  009  0010  DS 2P
00115  001150 77  R3-PAGE-CNT              PIC 9(3) COMP-3 VALUE ZEROS.  01150000  DNM=8-021  BL=9  00B  0012  DS 2P
00116  001160 77  R3-LINE-CNT              PIC 9(3) COMP-3 VALUE ZEROS.  01160000  DNM=8-045  BL=9  00D  0014  DS 2P
00117  001170 77  CHK                      PIC X VALUE 'X'.              01170000  DNM=8-069  BL=9  00F  0016  DS 1C
00118  001180 77  DASH                     PIC X VALUE '-'.              01180000  DNM=8-082  BL=9  010  0017  DS 1C
00119  001190 77  WK-SUB                   PIC 9999 COMP SYNC.           01190000  DNM=8-096  BL=9  012  0019  DS 1H
00120  001200 77  WK-SUB-2                 PIC 9999 COMP SYNC.           01200000  DNM=8-112  BL=9  014  0021  DS 1H
00121  001210 77  WORK-LOCATION            PIC 9(10) COMP-3.             01210000  DNM=8-133  BL=9  016  0023  DS 6P
00122  001220 77  WORK-CNT                 PIC 9(5)  COMP-3.             01220000  DNM=8-156  BL=9  01C  0029  DS 3P
00123  001230 77  LATIN-SUBSCR             PIC S9999, COMP, VALUE ZEROS. 01230000  DNM=8-177  BL=9  01F  0032  DS 2C
00124  001240 77  TAG-SUBSCR               PIC S9999, COMP, VALUE ZEROS. 01240000  DNM=8-202  BL=9  021  0034  DS 2C
00125  001250 77  TAG-NUMBR-CNTR           PIC S9999, COMP, VALUE ZEROS. 01250000  DNM=8-222  BL=9  023  0036  DS 2C
00126  001260 77  LATIN-TOTAL              PIC S9999, COMP, VALUE ZEROS. 01260000  DNM=8-246  BL=9  025  0038  DS 2C
00127  001270 77  TEST-SUM                 PIC 9999 VALUE ZEROS.         01270000  DNM=8-267  BL=9  027  0040  DS 4C
00128  001280 77  DATE-PROGRAM             PIC X(8) VALUE SPACES.        01280000  DNM=8-285  BL=9  02B  0044  DS 8C
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION

00130  001300                                                                    01300000
00131  001310 01  SWITCH-FINDER                PIC X(19)                         01310000  DNM=8-307   BL=9  038  0001  DS 19C
00132  001320                                  VALUE 'SWITCHES START HERE'.      01320000
00133  001330 01  SWITCHES.                                                      01330000  DNM=8-330   BL=9  050  0001  DS 0CL20
00134  001340     03 READ-MSTR-SW              PIC X VALUE SPACE.                01340000  DNM=8-354   BL=9  050  0001  DS 1C
00135  001350         88 READ-MSTR             VALUE '1'.                        01350000
00136  001360     03 READ-TRAN-SW              PIC X VALUE SPACE.                01360000  DNM=8-399   BL=9  051  0002  DS 1C
00137  001370         88 READ-TRAN             VALUE '1'.                        01370000
00138  001380     03 WRITE-RPT1-SW             PIC X VALUE SPACE.                01380000  DNM=8-444   BL=9  052  0003  DS 1C
00139  001390         88 WRITE-RPT1            VALUE '1'.                        01390000
00140  001400     03 WRITE-NEWMSTR-SW          PIC X VALUE SPACE.                01400000  DNM=9-000   BL=9  053  0004  DS 1C
00141  001410         88 WRITE-NEWMSTR         VALUE '1'.                        01410000
00142  001420     03 DUMMY-RD-SW               PIC X VALUE SPACE.                01420000  DNM=9-053   BL=9  054  0005  DS 1C
00143  001430         88 DUMMY-RD-ON           VALUE '1'.                        01430000
00144  001440         88 DUMMY-RD-OFF          VALUE '0'.                        01440000
00145  001450     03 EDIT-ERROR-SW             PIC X VALUE SPACE.                01450000  DNM=9-128   BL=9  055  0006  DS 1C
00146  001460         88 EDIT-ERROR            VALUE '1'.                        01460000
00147  001470         88 NO-EDIT-ERRORS        VALUE '0'.                        01470000
00148  001480     03 EDIT-REJECT-ERROR-SW      PIC X VALUE SPACE.                01480000  DNM=9-200   BL=9  056  0007  DS 1C
00149  001490         88 EDIT-REJECT-ERROR     VALUE '1'.                        01490000
00150  001500     03 STRUC-ERR-SW              PIC X VALUE SPACE.                01500000  DNM=9-261   BL=9  057  0008  DS 1C
00151  001510         88 STRUC-ERR             VALUE '1'.                        01510000
00152  001520     03 DETAIL-LINE-WRITTEN-SW    PIC X VALUE SPACE.                01520000  DNM=9-306   BL=9  058  0009  DS 1C
00153  001530         88 DETAIL-LINE-WRITTEN   VALUE '1'.                        01530000
00154  001540     03 CODE4-DATA-FOUND-SW       PIC X VALUE SPACE.                01540000  DNM=9-371   BL=9  059  0010  DS 1C
00155  001550         88 NO-CODE4-DATA-FOUND VALUE ' '.                          01550000
00156  001560     03 DECREASE-SW               PIC X VALUE '0'.                  01560000  DNM=9-433   BL=9  05A  0011  DS 1C
00157  001570         88 NO-DECREASE           VALUE '1'.                        01570000
00158  001580     03 INVALID-GEAR-SW           PIC X VALUE SPACE.                01580000  DNM=9-479   BL=9  05B  0012  DS 1C
00159  001590         88 INVALID-GEAR          VALUE '1'.                        01590000
00160  001600     03 INVALID-STATION-SW        PIC X VALUE SPACE.                01600000  DNM=10-023  BL=9  05C  0013  DS 1C
00161  001610         88 INVALID-STATION       VALUE '1'.                        01610000
00162  001620     03 STATION-FOUND-SW          PIC X VALUE SPACE.                01620000  DNM=10-083  BL=9  05D  0014  DS 1C
00163  001630         88 STATION-NOT-FOUND     VALUE '0'.                        01630000
00164  001640         88 STATION-FOUND         VALUE '1'.                        01640000
00165  001650     03 END-OF-LIST-SW            PIC X VALUE SPACE.                01650000  DNM=10-164  BL=9  05E  0015  DS 1C
00166  001660         88 END-OF-LIST           VALUE '1'.                        01660000
00167  001670     03 MASTER-ACTION-SW          PIC X VALUE SPACE.                01670000  DNM=10-216  BL=9  05F  0016  DS 1C
00168  001680         88 MASTER-ACTION         VALUE '1'.                        01680000
00169  001690     03 MISSING-DISTANCE-SW       PIC X VALUE SPACE.                01690000  DNM=10-272  BL=9  060  0017  DS 1C
00170  001700         88 MISSING-DISTANCE      VALUE '1'.                        01700000
00171  001710     03  EOF-LATIN-SW             PIC X VALUE SPACE.                01710000  DNM=10-331  BL=9  061  0018  DS 1C
00172  001720         88  EOF-LATIN            VALUE '1'.                        01720000
00173  001730     03  TAG-MATCHED-SW           PIC X VALUE SPACE.                01730000  DNM=10-379  BL=9  062  0019  DS 1C
00174  001740         88  TAG-MATCHED          VALUE '1'.                        01740000
00175  001750*                                                                   01750000
00176  001760*************************************************************        01750000
00177  001770* ADDITIONAL SWITCH TO CORRECT EDIT ERROR PROBLEM FOR TAG           01750000
00178  001780* RECAPURE RECORDS. BY EFF 03/23/84                                 01750000
00179  001790*                                                                   01750000
00180  001800     03  SPECIES-FOUND-SW         PIC X VALUE SPACE.                01730000  DNM=10-428  BL=9  063  0020  DS 1C
00181  001810         88  SPECIES-FOUND        VALUE '1'.                        01740000
00182  001820*                                                                   01750000
00183  001830* END OF ADDITION BY EFF                                            01750000
```

```
6        NM100          10.43.12        APR  3,1984                                    INT NAME    BASE  DISP RLO1  DEFINITION

00184  001840*****************************************************************  01750000
00185  001850*                                                                  01750000
00186  001860 01  TOT-COUNTERS.                                                 01760000  DNM=10-481  BL=9  068  0001  DS  0CL20
00187  001870     03 REC-REJECT-TOT          PIC 9(5) COMP-3 VALUE ZEROS.      01770000  DNM=11-000  BL=9  068  0001  DS  3P
00188  001880     03 NBR-RECS-ADDED          PIC 9(5) COMP-3 VALUE ZEROS.      01780000  DNM=11-024  BL=9  068  0004  DS  3P
00189  001890     03 NBR-RECS-CHG            PIC 9(5) COMP-3 VALUE ZEROS.      01790000  DNM=11-051  BL=9  06E  0007  DS  3P
00190  001900     03 NBR-RECS-DEL            PIC 9(5) COMP-3 VALUE ZEROS.      01800000  DNM=11-073  BL=9  071  0010  DS  3P
00191  001910     03 NBR-BEFORE-UPDATE       PIC 9(7) COMP-3 VALUE ZEROS.      01810000  DNM=11-095  BL=9  074  0013  DS  4P
00192  001920     03 NBR-AFTER-UPDATE        PIC 9(7) COMP-3 VALUE ZEROS.      01820000  DNM=11-122  BL=9  078  0017  DS  4P
00193  001930*                                                                  01830000
00194  001940 01  SAVE-FIELDS.                                                  01840000  DNM=11-151  BL=9  080  0001  DS  0CL1160
00195  001950     03 SAVE-NUM-REPS           PIC 9(2) VALUE ZEROS.             01850000  DNM=11-175  BL=9  080  0001  DS  2C
00196  001960     03 NUMB-REP-RECS           PIC 9(2) VALUE ZEROS.             01860000  DNM=11-198  BL=9  082  0003  DS  2C
00197  001970     03 SAVE-NUM-SPECIES        PIC 9(2) VALUE ZEROS.             01870000  DNM=11-221  BL=9  084  0005  DS  2C
00198  001980     03 NUMB-SPEC-RECS          PIC 9(2) VALUE ZEROS.             01880000  DNM=11-247  BL=9  086  0007  DS  2C
00199  001990     03 SAVE-SPEC-CODE          PIC X VALUE SPACE.                01890000  DNM=11-271  BL=9  088  0009  DS  1C
00200  002000        88 SPECIES-CODE-0       VALUE '0'.                        01900000
00201  002010        88 SPECIES-CODE-1-OR-2  VALUE '1' '2'.                    01910000
00202  002020        88 SPECIES-CODE-3       VALUE '3'.                        01920000
00203  002030        88 SPECIES-CODE-4-OR-7  VALUE '4' '7'.                    01930000
00204  002040        88 SPECIES-CODE-5       VALUE '5'.                        01940000
00205  002050        88 SPECIES-CODE-6       VALUE '6'.                        01950000
00206  002060     03 SAVE-NUM-SUBSAMPLES     PIC 9(5) VALUE ZEROS.             01960000  DNM=11-471  BL=9  089  0010  DS  5C
00207  002070     03 SAVE-INDIV-LTH          PIC 9(4) VALUE ZEROS.             01970000  DNM=12-000  BL=9  08E  0015  DS  4C
00208  002080     03 OCCURRENCE-CODE-3       PIC 999 VALUE ZERO.               01980000  DNM=12-027  BL=9  092  0019  DS  3C
00209  002090     03 OCCURRENCE-CODE-6       PIC 999 VALUE ZERO.               01990000  DNM=12-054  BL=9  095  0022  DS  3C
00210  002100     03 NUMB-INDIV-RECS         PIC 9(5) VALUE ZEROS.             02000000  DNM=12-081  BL=9  098  0025  DS  5C
00211  002110     03 SAVE-TAG-NO             PIC 9(6) VALUE ZEROS.             02010000  DNM=12-109  BL=9  09D  0030  DS  6C
00212  002120     03 COMP-LEN                PIC 9(3) VALUE ZEROS.             02020000  DNM=12-130  BL=9  0A3  0036  DS  3C
00213  002130     03 WK-DIF                  PIC 9(3) VALUE ZEROS.             02030000  DNM=12-151  BL=9  0A6  0039  DS  3C
00214  002140     03 SDN-RECAPT-DATE         PIC 9(7) VALUE ZEROS.             02040000  DNM=12-167  BL=9  0A9  0042  DS  7C
00215  002150     03 SDN-ENVIR-DATE          PIC 9(7) VALUE ZEROS.             02050000  DNM=12-192  BL=9  0B0  0049  DS  7C
00216  002160     03 SDN-DATE-DIFF           PIC 9(7) VALUE ZEROS.             02060000  DNM=12-216  BL=9  0B7  0056  DS  7C
00217  002170     03 MINUS-1                 PIC S9 VALUE -1.                  02070000  DNM=12-242  BL=9  0BE  0063  DS  1C
00218  002180     03 LINE-NUMBER-CNTR        PIC 999.                          02080000  DNM=12-259  BL=9  0BF  0064  DS  3C
00219  002190     03 SAVE-INDIV-AGE-STATUS   PIC X VALUE SPACE.                02090000  DNM=12-288  BL=9  0C2  0067  DS  1C
00220  002200     03 SAVE-TAG-RECAPT-TAG1            PIC X.                   02100000  DNM=12-319  BL=9  0C3  0068  DS  1C
00221  002210     03 SAVE-TAG-RECAPT-TAG1-CNTR       PIC 9(5).                02110000  DNM=12-349  BL=9  0C4  0069  DS  5C
00222  002220     03 SAVE-TAG-RECAPT-TAG2            PIC X.                   02120000  DNM=12-384  BL=9  0C9  0074  DS  1C
00223  002230     03 SAVE-TAG-RECAPT-TAG2-CNTR       PIC 9(5).                02130000  DNM=12-414  BL=9  0CA  0075  DS  5C
00224  002240     03 SAVE-ENVIR              VALUE SPACES.                     02140000  DNM=12-449  BL=9  0CF  0080  DS  0CL150
00225  002250        05 FILLER              PIC X(001).                       02150000  DNM=12-472  BL=9  0CF  0080  DS  1C
00226  002260        05 SAVE-ENVIR-KEY      PIC X(007).                       02160000  DNM=12-486  BL=9  0D0  0081  DS  7C
00227  002270        05 FILLER              PIC X(19).                        02170000  DNM=13-000  BL=9  0D7  0088  DS  19C
00228  002280        05 SAVE-ENVIR-DATE.                                      02180000  DNM=13-014  BL=9  0EA  0107  DS  0CL6
00229  002290           07 SAVE-ENVIR-YY    PIC XX.                           02190000  DNM=13-042  BL=9  0EA  0107  DS  2C
00230  002300           07 SAVE-ENVIR-MM    PIC XX.                           02200000  DNM=13-065  BL=9  0EC  0109  DS  2C
00231  002310           07 SAVE-ENVIR-DD    PIC XX.                           02210000  DNM=13-088  BL=9  0EE  0111  DS  2C
00232  002320        05 SAVE-ENVIR-DATE-R REDEFINES SAVE-ENVIR-DATE.          02220000  DNM=13-111  BL=9  0EA  0107  DS  0CL6
00233  002330           07 SAVE-ENVIR-YY-R  PIC 99.                           02230000  DNM=13-141  BL=9  0EA  0107  DS  2C
00234  002340           07 SAVE-ENVIR-MM-R  PIC 99.                           02240000  DNM=13-166  BL=9  0EC  0109  DS  2C
00235  002350           07 SAVE-ENVIR-DD-R  PIC 99.                           02250000  DNM=13-191  BL=9  0EE  0111  DS  2C
00236  002360        05 FILLER              PIC X(117).                       02260000  DNM=13-216  BL=9  0F0  0113  DS  117C
00237  002370     03 SAVE-REPLIC             VALUE SPACES.                     02270000  DNM=13-230  BL=9  165  0230  DS  0CL150
```

```
00238  002380          05 FILLER                    PIC X(001).                  02280000  DNM=13-254  BL=9  165  0230  DS 1C
00239  002390          05 SAVE-REPLIC-KEY           PIC X(009).                  02290000  DNM=13-268  BL=9  166  0231  DS 9C
00240  002400          05 FILLER                    PIC X(140).                  02300000  DNM=13-293  BL=9  16F  0240  DS 140C
00241  002410       03 SAVE-SPECIES                 VALUE SPACES.                02310000  DNM=13-307  BL=9  1FB  0380  DS 0CL150
00242  002420          05 FILLER                    PIC X(001).                  02320000  DNM=13-332  BL=9  1FB  0380  DS 1C
00243  002430          05 SAVE-SPECIES-KEY          PIC X(020).                  02330000  DNM=13-346  BL=9  1FC  0381  DS 20C
00244  002440          05 SAVE-SPECIES-KEY-R REDEFINES SAVE-SPECIES-KEY.         02340000  DNM=13-372  BL=9  1FC  0381  DS 0CL20
00245  002450             07  SAVE-SPE-SEQ-NMBR        PIC X(7).                02350000  DNM=13-403  BL=9  1FC  0381  DS 7C
00246  002460             07  FILLER                   PIC X(13).               02360000  DNM=13-433  BL=9  203  0388  DS 13C
00247  002470          05 FILLER                    PIC X(37).                   02370000  DNM=13-447  BL=9  210  0401  DS 37C
00248  002480          05 SAVE-SPE-TAG1             PIC X.                       02380000  DNM=13-461  BL=9  235  0438  DS 1C
00249  002490          05 SAVE-SPE-NUMBR-TAGGED1       PIC X(5).                 02390000  DNM=14-000  BL=9  236  0439  DS 5C
00250  002500          05 SAVE-SPE-NUMBR-TAGGED1-R REDEFINES                     02400000  DNM=14-032  BL=9  236  0439  DS 5C
00251  002510                SAVE-SPE-NUMBR-TAGGED1    PIC 9(5).                02410000
00252  002520          05 SAVE-SPE-TAG2             PIC X.                       02420000  DNM=14-069  BL=9  23B  0444  DS 1C
00253  002530          05 SAVE-SPE-NUMBR-TAGGED2       PIC X(5).                 02430000  DNM=14-092  BL=9  23C  0445  DS 5C
00254  002540          05 SAVE-SPE-NUMBR-TAGGED2-R REDEFINES                     02440000  DNM=14-124  BL=9  23C  0445  DS 5C
00255  002550                SAVE-SPE-NUMBR-TAGGED2    PIC 9(5).                02450000
00256  002560          05 FILLER                    PIC X(80).                   02460000  DNM=14-158  BL=9  241  0450  DS 80C
00257  002570       03 SAVE-INDIV.                                               02470000  DNM=14-172  BL=9  291  0530  DS 0CL152
00258  002580          05  FILLER                   PIC X.                       02480000  DNM=14-198  BL=9  291  0530  DS 1C
00259  002590          05  SAVE-INDIV-KEY           PIC X(20).                   02490000  DNM=14-212  BL=9  292  0531  DS 20C
00260  002600          05  SAVE-INDIV-LINE          PIC X(3).                    02500000  DNM=14-236  BL=9  2A6  0551  DS 3C
00261  002610          05  SAVE-INDIV-LINE-R REDEFINES SAVE-INDIV-LINE PIC 999.  02510000  DNM=14-264  BL=9  2A6  0551  DS 3C
00262  002620          05  FILLER                   PIC X(40).                   02520000  DNM=14-291  BL=9  2A9  0554  DS 40C
00263  002630          05  SAVE-INDIV-AGE           PIC XX.                      02530000  DNM=14-305  BL=9  2D1  0594  DS 2C
00264  002640          05  SAVE-INDIV-AGE-R REDEFINES SAVE-INDIV-AGE PIC 99.     02540000  DNM=14-329  BL=9  2D1  0594  DS 2C
00265  002650          05  SAVE-INDIV-SPAWN-MARK PIC XX.                         02550000  DNM=14-355  BL=9  2D3  0596  DS 2C
00266  002660          05  SAVE-INDIV-SPAWN-MARK-R REDEFINES                     02560000  DNM=14-386  BL=9  2D3  0596  DS 2C
00267  002670                SAVE-INDIV-SPAWN-MARK     PIC 99.                  02570000
00268  002680          05 FILLER                    PIC X(84).                   02590000  DNM=14-422  BL=9  2D5  0598  DS 84C
00269  002690       03 SAVE-ANNULUS .                                            02590000  DNM=14-436  BL=9  329  0682  DS 0CL150
00270  002700          05  FILLER                   PIC X.                       02600000  DNM=14-464  BL=9  329  0682  DS 1C
00271  002710          05  SAVE-ANNL-KEY            PIC X(20).                   02610000  DNM=14-478  BL=9  32A  0683  DS 20C
00272  002720          05  SAVE-ANNL-LINE           PIC XXX.                     02620000  DNM=15-000  BL=9  33E  0703  DS 3C
00273  002730          05  FILLER                   PIC X(98).                   02630000  DNM=15-027  BL=9  341  0706  DS 98C
00274  002740          05  SAVE-ANNL-SPAWN-MARK     PIC XX.                      02640000  DNM=15-041  BL=9  3A3  0804  DS 2C
00275  002750          05  FILLER                   PIC X(26).                   02650000  DNM=15-071  BL=9  3A5  0806  DS 26C
00276  002760       03 SAVE-TAG-RECAPT.                                          02660000  DNM=15-085  BL=9  3BF  0832  DS 0CL150
00277  002770          05  FILLER                   PIC X.                       02670000  DNM=15-113  BL=9  3BF  0832  DS 1C
00278  002780          05  SAVE-TAG-RECAPT-KEY      PIC X(20).                   02680000  DNM=15-127  BL=9  3C0  0833  DS 20C
00279  002790*                        EFF ADDED              VALUE SPACES.
00280  002800          05  SAVE-TAG-RECAPT-LINE     PIC X(3) VALUE SPACES.       02690000  DNM=15-156  BL=9  3D4  0853  DS 3C
00281  002810          05  SAVE-TAG-RECAPT-LINE-R REDEFINES                      02700000  DNM=15-186  BL=9  3D4  0853  DS 3C
00282  002820                SAVE-TAG-RECAPT-LINE PIC 999.                      02710000
00283  002830          05  SAVE-TAG-RECAPT-TAGNBR   PIC X(6).                    02720000  DNM=15-218  BL=9  3D7  0856  DS 6C
00284  002840          05  FILLER                   PIC X(120).                  02730000  DNM=15-253  BL=9  3DD  0862  DS 120C
00285  002850       03 ROLLOUT-AREA                 PIC X(150).                  02740000  DNM=15-267  BL=9  455  0982  DS 150C
00286  002860       03 WS-CURR-KEY.                                              02750000  DNM=15-289  BL=9  4EB  1132  DS 0CL23
00287  002870          05 WS-CURR-SPECIES-KEY.                                   02760000  DNM=15-313  BL=9  4EB  1132  DS 0CL20
00288  002880             07 WS-CURR-REPLIC-KEY.                                02770000  DNM=15-345  BL=9  4EB  1132  DS 0CL9
00289  002890                09 WS-CURR-ENVIR-KEY PIC X(07).                    02780000  DNM=15-376  BL=9  4EB  1132  DS 7C
00290  002900                09 FILLER            PIC X(02).                    02790000  DNM=15-403  BL=9  4F2  1139  DS 2C
00291  002910             07 FILLER               PIC X(11).                    02800000  DNM=15-417  BL=9  4F4  1141  DS 11C
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION
00292   002920          05 FILLER                    PIC X(03).                   DNM=15-431  BL=9  4FF  1152  DS 3C
00293   002930      03 DEC-CNT                  PIC S99 COMP-3.                   DNM=15-445  BL=9  502  1155  DS 2P
00294   002940      03 DEC-CHECK-FLD.                                             DNM=15-462  BL=9  504  1157  DS OCL4
00295   002950          05 DEC-CK-1              PIC X.                           DNM=15-491  BL=9  504  1157  DS 1C
00296   002960          05 DEC-CK-2              PIC X.                           DNM=16-000  BL=9  505  1158  DS 1C
00297   002970          05 DEC-CK-3              PIC X.                           DNM=16-021  BL=9  506  1159  DS 1C
00298   002980          05 DEC-CK-4              PIC X.                           DNM=16-042  BL=9  507  1160  DS 1C
00299   002990*                                                                   DNM=16-060  BL=9  508  0001  DS OCL103
00300   003000 01   DUP-RECORD-DESC.                                              DNM=16-088  BL=9  508  0001  DS OCL103
00301   003010      03 DUP-INDIV-REC6-ENTRIES.                                    DNM=16-123  BL=9  508  0001  DS OCL7
00302   003020          05 DUP-INDIV-ENTRY6 OCCURS 14 TIMES.                      DNM=16-152  BL=9  508  0001  DS 3C
00303   003030              07 DUP-INDIV-CNT6    PIC X(3).                        DNM=16-179  BL=9  50B  0004  DS 4C
00304   003040              07 DUP-INDIV-LTH6    PIC X(4).                        DNM=16-209  BL=9  56A  0099  DS 5C
00305   003050          05 FILLER                PIC X(5).                        DNM=16-223  BL=9  508  0001  DS OCL103
00306   003060      03 DUP-INDIV-REC7-ENTRIES REDEFINES DUP-INDIV-REC6-ENTRIES.   DNM=16-258  BL=9  508  0001  DS OCL9
00307   003070          05 DUP-INDIV-ENTRY7 OCCURS 11 TIMES.                      DNM=16-287  BL=9  508  0001  DS 3C
00308   003080              07 DUP-INDIV-CNT7    PIC X(3).                        DNM=16-314  BL=9  50B  0004  DS 4C
00309   003090              07 DUP-INDIV-LTH7    PIC X(4).                        DNM=16-341  BL=9  50F  0008  DS 1C
00310   003100              07 DUP-INDIV-SEX7    PIC X(1).                        DNM=16-371  BL=9  510  0009  DS 1C
00311   003110              07 DUP-INDIV-MAT7    PIC X(1).                        DNM=16-401  BL=9  56B  0100  DS 4C
00312   003120          05 FILLER                PIC X(4).                        DNM=16-401  BL=9  56B  0100  DS 4C
00313   003130*                                                                   DNM=16-401  BL=9  56B  0100  DS 4C
```

```
                                                                            INT NAME     BASE  DISP RL01 DEFINITION
003150* * * * * * * * * * * * * * * *                         03040000
003160*  UPDATE REPORT DFSCRIPTION  *                         03050000
003170* * * * * * * * * * * * * * * *                         03060000
003180*                                                       03070000
003190 01  REPORT-LINES.                                      03080000   DNM=16-415   BL=9  570  0001  DS OCL1477
003200     03 REPORT1-HEAD1.                                  03090000   DNM=16-443   BL=9  570  0001  DS OCL133
003210        05 FILLER            PIC X      VALUE SPACE.    03100000   DNM=16-469   BL=9  570  0001  DS 1C
003220        05 FILLER            PIC X(9)   VALUE 'NM 100 R1'.  03110000  DNM=16-483  BL=9  571  0002  DS 9C
003230        05 FILLER            PIC X(34)  VALUE SPACES.   03120000   DNM=16-497   BL=9  57A  0011  DS 34C
003240        05 FILLER            PIC X(43)  VALUE           03130000   DNM=17-000   BL=9  59C  0045  DS 43C
003250           'NORTH CAROLINA DIVISION OF MARINE FISHERIES'.  03140000
003260        05 FILLER            PIC X(30)  VALUE SPACES.   03150000   DNM=17-014   BL=9  5C7  0088  DS 30C
003270        05 FILLER            PIC X(5)   VALUE 'PAGE '.  03160000   DNM=17-028   BL=9  5E5  0118  DS 5C
003280        05 R1-PAGE-NO        PIC ZZZ9.                  03170000   DNM=17-042   BL=9  5EA  0123  DS 4C
003290        05 FILLER            PIC X(7)   VALUE SPACES.   03180000   DNM=17-072   BL=9  5EE  0127  DS 7C
003300*                                                       03190000
003310     03 REPORT1-HEAD2.                                  03200000   DNM=17-086   BL=9  5F5  0134  DS OCL133
003320        05 FILLER            PIC X(53)  VALUE SPACES.   03210000   DNM=17-115   BL=9  5F5  0134  DS 53C
003330        05 FILLER            PIC X(22)  VALUE           03220000   DNM=17-129   BL=9  62A  0187  DS 22C
003340           'UPDATE ACTIVITY REPORT'.                    03230000
003350        05 FILLER            PIC X(42)  VALUE SPACES.   03240000   DNM=17-143   BL=9  640  0209  DS 42C
003360        05 FILLER            PIC X(5)   VALUE 'DATE '.  03250000   DNM=17-157   BL=9  66A  0251  DS 5C
003370        05 R1-RUN-DATE       PIC X(8).                  03260000   DNM=17-171   BL=9  66F  0256  DS 8C
003380        05 FILLER            PIC X(3) VALUE SPACES.     03270000   DNM=17-192   BL=9  677  0264  DS 3C
003390*                                                       03280000
003400     03 REPORT1-COL-HEAD1.                              03290000   DNM=17-206   BL=9  67A  0267  DS OCL133
003410        05  FILLER           PIC X(01)   VALUE SPACES.  03300000   DNM=17-239   BL=9  67A  0267  DS 1C
003420        05  FILLER           PIC X(21)                  03310000   DNM=17-253   BL=9  67B  0268  DS 21C
003430            VALUE 'REC.    SEQ.    REP.'.               03320000
003440        05  FILLER           PIC X(5)   VALUE SPACES.   03330000   DNM=17-267   BL=9  690  0289  DS 5C
003450        05  FILLER           PIC X(18)                  03340000   DNM=17-281   BL=9  695  0294  DS 18C
003460            VALUE 'SPECIES        LINE'.                03350000
003470        05  FILLER           PIC X(8)   VALUE SPACES.   03360000   DNM=17-295   BL=9  6A7  0312  DS 8C
003480        05  FILLER           PIC X(6) VALUE 'UPDATE'.   03370000   DNM=17-309   BL=9  6AF  0320  DS 6C
003490        05  FILLER           PIC X(12)   VALUE SPACES.  03380000   DNM=17-323   BL=9  6B5  0326  DS 12C
003500        05  FILLER           PIC X(5)   VALUE 'ERROR'.  03390000   DNM=17-337   BL=9  6C1  0338  DS 5C
003510        05  FILLER           PIC X(57)  VALUE SPACES.   03400000   DNM=17-351   BL=9  6C6  0343  DS 57C
003520*                                                       03410000
003530     03 REPORT1-COL-HEAD2.                              03420000   DNM=17-365   BL=9  6FF  0400  DS OCL133
003540        05  FILLER           PIC X(01)  VALUE SPACES.   03430000   DNM=17-398   BL=9  6FF  0400  DS 1C
003550        05  FILLER           PIC X(21)                  03440000   DNM=17-412   BL=9  700  0401  DS 21C
003560            VALUE 'TYPE    NBR.    NBR. '.              03450000
003570        05  FILLER           PIC X(6)   VALUE SPACES.   03460000   DNM=17-426   BL=9  715  0422  DS 6C
003580        05  FILLER           PIC X(17)  VALUE           03470000   DNM=17-440   BL=9  71B  0428  DS 17C
003590                             'CODE          NBR.'.      03480000
003600        05  FILLER           PIC X(8)   VALUE SPACES.   03490000   DNM=17-454   BL=9  72C  0445  DS 8C
003610        05  FILLER           PIC X(7)   VALUE 'MESSAGE'.  03500000  DNM=17-468  BL=9  734  0453  DS 7C
003620        05  FILLER           PIC X(11)   VALUE SPACES.  03510000   DNM=17-482   BL=9  73B  0460  DS 11C
003630        05  FILLER           PIC X(7)   VALUE 'MESSAGE'.  03520000  DNM=17-496  BL=9  746  0471  DS 7C
003640        05  FILLER           PIC X(10)   VALUE SPACES.  03530000   DNM=18-000   BL=9  74D  0478  DS 10C
003650        05  FILLER           PIC X(45)                  03540000   DNM=18-014   BL=9  757  0488  DS 45C
003660            VALUE 'DATA FROM TRANSACTION'.              03550000
003670*                                                       03560000
003680     03 REPORT1-DETAIL-LINE.                            03570000   DNM=18-028   BL=9  784  0533  DS OCL133
```

```
00369  003690          05  FILLER                  PIC X(02) VALUE SPACES.      03580000  DNM=18-063  BL=9  784  0533  DS 2C
00370  003700          05  RPT1-REC-TYPE           PIC X.                       03590000  DNM=18-077  BL=9  786  0535  DS 1C
00371  003710          05  FILLER                  PIC X(4) VALUE SPACES.       03600000  DNM=18-100  BL=9  787  0536  DS 4C
00372  003720          05  RPT1-SEQ-NBR            PIC X(7).                    03610000  DNM=18-114  BL=9  788  0540  DS 7C
00373  003730          05  FILLER                  PIC X(5) VALUE SPACES.       03620000  DNM=18-136  BL=9  792  0547  DS 5C
00374  003740          05  RPT1-REP-NBR            PIC X(2).                    03630000  DNM=18-150  BL=9  797  0552  DS 2C
00375  003750          05  FILLER                  PIC X(5) VALUE SPACES.       03640000  DNM=18-172  BL=9  799  0554  DS 5C
00376  003760          05  RPT1-SPECIES-CODE       PIC X(10).                   03650000  DNM=18-186  BL=9  79E  0559  DS 10C
00377  003770          05  RPT1-DASH               PIC X VALUE SPACES.          03660000  DNM=18-213  BL=9  7A8  0569  DS 1C
00378  003780          05  RPT1-SPECIES-STATUS     PIC X.                       03670000  DNM=18-232  BL=9  7A9  0570  DS 1C
00379  003790          05  FILLER                  PIC X(3) VALUE SPACES.       03680000  DNM=18-261  BL=9  7AA  0571  DS 3C
00380  003800          05  RPT1-LINE-NBR           PIC X(3).                    03690000  DNM=18-275  BL=9  7AD  0574  DS 3C
00381  003810          05  FILLER                  PIC X(5) VALUE SPACES.       03700000  DNM=18-298  BL=9  7B0  0577  DS 5C
00382  003820          05  RPT1-MESSAGE            PIC X(14).                   03710000  DNM=18-312  BL=9  7B5  0582  DS 14C
00383  003830          05  FILLER                  PIC X(5) VALUE SPACES.       03720000  DNM=18-337  BL=9  7C3  0596  DS 5C
00384  003840          05  RPT1-ERROR              PIC X(19).                   03730000  DNM=18-351  BL=9  7C8  0601  DS 19C
00385  003850          05  FILLER                  PIC X(01) VALUE SPACES.      03740000  DNM=18-371  BL=9  7DB  0620  DS 1C
00386  003860          05  RPT1-DATA               PIC X(45).                   03750000  DNM=18-385  BL=9  7DC  0621  DS 45C
00387  003870*                                                                  03760000
00388  003880      03  REPORT1-TOTAL-LINE1.                                     03770000  DNM=18-404  BL=9  809  0666  DS 0CL136
00389  003890          05  FILLER                  PIC X(1)   VALUE SPACES.     03780000  DNM=18-436  BL=9  809  0666  DS 1C
00390  003900          05  RPT-NBR-BEFORE-UPD      PIC Z,ZZZ,ZZ9 VALUE ZERO.    03790000  DNM=18-450  BL=9  80A  0667  DS 9C
00391  003910          05  FILLER                  PIC X(35)  VALUE             03800000  DNM=18-496  BL=9  813  0676  DS 35C
00392  003920              ' MASTER FILE RECORDS BEFORE UPDATE'.                03810000
00393  003930          05  FILLER                  PIC X(91) VALUE SPACES.      03820000  DNM=19-000  BL=9  836  0711  DS 91C
00394  003940      03  REPORT1-TOTAL-LINE2.                                     03830000  DNM=19-014  BL=9  891  0802  DS 0CL135
00395  003950          05  FILLER                  PIC X(4)   VALUE SPACES.     03840000  DNM=19-046  BL=9  891  0802  DS 4C
00396  003960          05  RPT-NBR-RECS-ADDED      PIC ZZ,ZZ9 VALUE ZERO.       03850000  DNM=19-060  BL=9  895  0806  DS 6C
00397  003970          05  FILLER                  PIC X(30)  VALUE             03860000  DNM=19-099  BL=9  89B  0812  DS 30C
00398  003980              ' RECORDS ADDED                '.                   03870000
00399  003990          05  FILLER                  PIC X(95) VALUE SPACES.      03880000  DNM=19-113  BL=9  889  0842  DS 95C
00400  004000      03  REPORT1-TOTAL-LINE3.                                     03890000  DNM=19-127  BL=9  918  0937  DS 0CL135
00401  004010          05  FILLER                  PIC X(4)   VALUE SPACES.     03900000  DNM=19-162  BL=9  918  0937  DS 4C
00402  004020          05  RPT-NBR-RECS-CHG        PIC ZZ,ZZ9 VALUE ZERO.       03910000  DNM=19-176  BL=9  91C  0941  DS 6C
00403  004030          05  FILLER                  PIC X(30)  VALUE             03920000  DNM=19-216  BL=9  922  0947  DS 30C
00404  004040              ' RECORDS CHANGED              '.                   03930000
00405  004050          05  FILLER                  PIC X(95) VALUE SPACES.      03940000  DNM=19-230  BL=9  940  0977  DS 95C
00406  004060      03  REPORT1-TOTAL-LINE4.                                     03950000  DNM=19-244  BL=9  99F  1072  DS 0CL135
00407  004070          05  FILLER                  PIC X(4)   VALUE SPACES.     03960000  DNM=19-276  BL=9  99F  1072  DS 4C
00408  004080          05  RPT-NBR-RECS-DEL        PIC ZZ,ZZ9 VALUE ZERO.       03970000  DNM=19-290  BL=9  9A3  1076  DS 6C
00409  004090          05  FILLER                  PIC X(30)  VALUE             03980000  DNM=19-327  BL=9  9A9  1082  DS 30C
00410  004100              ' RECORDS DELETED              '.                   03990000
00411  004110          05  FILLER                  PIC X(95) VALUE SPACES.      04000000  DNM=19-341  BL=9  9C7  1112  DS 95C
00412  004120      03  REPORT1-TOTAL-LINE5.                                     04010000  DNM=19-355  BL=9  A26  1207  DS 0CL135
00413  004130          05  FILLER                  PIC X(4)   VALUE SPACES.     04020000  DNM=19-387  BL=9  A26  1207  DS 4C
00414  004140          05  RPT-REJECT-TOT          PIC ZZ,ZZ9 VALUE ZERO.       04030000  DNM=19-401  BL=9  A2A  1211  DS 6C
00415  004150          05  FILLER                  PIC X(30)  VALUE             04040000  DNM=19-439  BL=9  A30  1217  DS 30C
00416  004160              ' TOTAL TRANSACTIONS REJECTED '.                     04050000
00417  004170          05  FILLER                  PIC X(95) VALUE SPACES.      04060000  DNM=19-453  BL=9  A4E  1247  DS 95C
00418  004180      03  REPORT1-TOTAL-LINE6.                                     04070000  DNM=19-467  BL=9  AAD  1342  DS 0CL136
00419  004190          05  FILLER                  PIC X(1)   VALUE SPACES.     04080000  DNM=20-000  BL=9  AAD  1342  DS 1C
00420  004200          05  RPT-NBR-AFTER-UPD       PIC Z,ZZZ,ZZ9 VALUE ZERO.    04090000  DNM=20-014  BL=9  AAE  1343  DS 9C
00421  004210          05  FILLER                  PIC X(35)  VALUE             04100000  DNM=20-059  BL=9  A87  1352  DS 35C
00422  004220              ' MASTER FILE RECORDS AFTER UPDATE '.                04110000
```

```
00423  004230      05  FILLER          PIC X(91) VALUE SPACES.        04120000  DNM=20-073  BL=9  ADA  1387  DS-91C
```

```
00425  004250*  * * * * * * * * * * * * * * * * * * *                    04140000
00426  004260*  ERROR REPORT  DESCRIPTION  *                              04150000
00427  004270*  * * * * * * * * * * * * * * * * * * *                    04160000
00428  004280*                                                            04170000
00429  004290 01  REPORT-LINES2.                                         04180000  DNM=20-087  BL=9  B38  0001  DS  0CL797
00430  004300     03 REPORT2-HEAD1.                                       04190000  DNM=20-116  BL=9  B38  0001  DS  0CL133
00431  004310        05 FILLER                 PIC X    VALUE SPACE.     04200000  DNM=20-145  BL=9  B38  0001  DS  1C
00432  004320        05 FILLER                 PIC X(9)  VALUE 'NM 100 R2'.  04210000  DNM=20-159  BL=9  B39  0002  DS  9C
00433  004330        05 FILLER                 PIC X(24) VALUE SPACES.    04220000  DNM=20-173  BL=9  B42  0011  DS  24C
00434  004340        05 FILLER                 PIC X(43) VALUE            04230000  DNM=20-187  BL=9  B5A  0035  DS  43C
00435  004350           'NORTH CAROLINA DIVISION OF MARINE FISHERIES'.     04240000
00436  004360        05 FILLER                 PIC X(40) VALUE SPACES.    04250000  DNM=20-201  BL=9  B85  0078  DS  40C
00437  004370        05 FILLER                 PIC X(5)  VALUE 'PAGE '.   04260000  DNM=20-215  BL=9  BAD  0118  DS  5C
00438  004380        05 R2-PAGE-NO             PIC ZZZ9.                  04270000  DNM=20-229  BL=9  BB2  0123  DS  4C
00439  004390        05 FILLER                 PIC X(7)  VALUE SPACES.    04280000  DNM=20-259  BL=9  BB6  0127  DS  7C
00440  004400*                                                            04290000
00441  004410     03 REPORT2-HEAD2.                                        04300000  DNM=20-273  BL=9  BB0  0134  DS  0CL133
00442  004420        05 FILLER                 PIC X(43) VALUE SPACES.    04310000  DNM=20-299  BL=9  BB0  0134  DS  43C
00443  004430        05 FILLER                 PIC X(25) VALUE            04320000  DNM=20-313  BL=9  BE8  0177  DS  25C
00444  004440           'EDIT ERROR WARNING REPORT'.                       04330000
00445  004450        05 FILLER                 PIC X(49) VALUE SPACES.    04340000  DNM=20-327  BL=9  C01  0202  DS  49C
00446  004460        05 FILLER                 PIC X(5)  VALUE 'DATE '.   04350000  DNM=20-341  BL=9  C32  0251  DS  5C
00447  004470        05 R2-RUN-DATE            PIC X(8).                  04360000  DNM=20-355  BL=9  C37  0256  DS  8C
00448  004480        05 FILLER                 PIC X(3) VALUE SPACES.     04370000  DNM=20-379  BL=9  C3F  0264  DS  3C
00449  004490*                                                            04380000
00450  004500     03 REPORT2-COL-HEAD1.                                    04390000  DNM=20-393  BL=9  C42  0267  DS  0CL132
00451  004510        05 FILLER                 PIC X(10)  VALUE SPACES.   04400000  DNM=20-423  BL=9  C42  0267  DS  10C
00452  004520        05 FILLER                 PIC X(12)                  04410000  DNM=20-437  BL=9  C4C  0277  DS  12C
00453  004530           VALUE 'REC      SEQ.'.                           04420000
00454  004540        05 FILLER                 PIC X(5) VALUE SPACES.     04430000  DNM=20-451  BL=9  C58  0289  DS  5C
00455  004550        05 FILLER                 PIC X(16)                  04440000  DNM=20-465  BL=9  C5D  0294  DS  16C
00456  004560           VALUE 'REP.     SPECIES'.                        04450000
00457  004570        05 FILLER                 PIC X(7) VALUE SPACES.     04460000  DNM=20-479  BL=9  C6D  0310  DS  7C
00458  004580        05 FILLER                 PIC X(13)                  04470000  DNM=20-493  BL=9  C74  0317  DS  13C
00459  004590           VALUE 'LINE     '.                               04480000
00460  004600        05 FILLER                 PIC X(14)  VALUE SPACES.   04490000  DNM=21-000  BL=9  C81  0330  DS  14C
00461  004610        05 FILLER                 PIC X(6) VALUE 'ERROR'.    04500000  DNM=21-014  BL=9  C8F  0344  DS  6C
00462  004620        05 FILLER                 PIC X(49)  VALUE SPACES.   04510000  DNM=21-028  BL=9  C95  0350  DS  49C
00463  004630*                                                            04520000
00464  004640     03 REPORT2-COL-HEAD2.                                    04530000  DNM=21-042  BL=9  CC6  0399  DS  0CL133
00465  004650        05 FILLER                 PIC X(10)  VALUE SPACES.   04540000  DNM=21-075  BL=9  CC6  0399  DS  10C
00466  004660        05 FILLER                 PIC X(12)                  04550000  DNM=21-089  BL=9  CD0  0409  DS  12C
00467  004670           VALUE 'TYPE    NBR.'.                           04560000
00468  004680        05 FILLER                 PIC X(5) VALUE SPACES.     04570000  DNM=21-103  BL=9  CDC  0421  DS  5C
00469  004690        05 FILLER                 PIC X(16)                  04580000  DNM=21-117  BL=9  CE1  0426  DS  16C
00470  004700           VALUE 'NBR.    CODE  '.                          04590000
00471  004710        05 FILLER                 PIC X(7) VALUE SPACES.     04600000  DNM=21-131  BL=9  CF1  0442  DS  7C
00472  004720        05 FILLER                 PIC X(13)                  04610000  DNM=21-145  BL=9  CF8  0449  DS  13C
00473  004730           VALUE 'NBR.     '.                               04620000
00474  004740        05 FILLER                 PIC X(14)  VALUE SPACES.   04630000  DNM=21-159  BL=9  D05  0462  DS  14C
00475  004750        05 FILLER                 PIC X(8) VALUE 'MESSAGE'.  04640000  DNM=21-173  BL=9  D13  0476  DS  8C
00476  004760        05 FILLER                 PIC X(48)  VALUE SPACES.   04650000  DNM=21-187  BL=9  D1B  0484  DS  48C
00477  004770*                                                            04660000
00478  004780     03 REPORT2-DETAIL-LINE.                                  04670000  DNM=21-201  BL=9  D4B  0532  DS  0CL133
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION
00479  004790        05  FILLER              PIC X(11) VALUE SPACES.   04680000  DNM=21-236  BL=9  D4B  0532  DS 11C
00480  004800        05  RPT2-REC-TYPE       PIC X.                    04690000  DNM=21-250  BL=9  D56  0543  DS 1C
00481  004810        05  FILLER              PIC X(4) VALUE SPACES.    04700000  DNM=21-273  BL=9  D57  0544  DS 4C
00482  004820        05  RPT2-SEQ-NBR        PIC X(7).                 04710000  DNM=21-287  BL=9  D5B  0548  DS 7C
00483  004830        05  FILLER              PIC X(5) VALUE SPACES.    04720000  DNM=21-309  BL=9  D62  0555  DS 5C
00484  004840        05  RPT2-REP-NBR        PIC X(2).                 04730000  DNM=21-323  BL=9  D67  0560  DS 2C
00485  004850        05  FILLER              PIC X(5) VALUE SPACES.    04740000  DNM=21-348  BL=9  D69  0562  DS 5C
00486  004860        05  RPT2-SPECIES-CODE   PIC X(10).                04750000  DNM=21-362  BL=9  D6E  0567  DS 10C
00487  004870        05  RPT2-DASH           PIC X VALUE SPACE.        04760000  DNM=21-392  BL=9  D78  0577  DS 1C
00488  004880        05  RPT2-SPECIES-STATUS PIC X.                    04770000  DNM=21-411  BL=9  D79  0578  DS 1C
00489  004890        05  FILLER              PIC X(3) VALUE SPACES.    04780000  DNM=21-440  BL=9  D7A  0579  DS 3C
00490  004900        05  RPT2-LINE-NBR       PIC X(3).                 04790000  DNM=21-454  BL=9  D7D  0582  DS 3C
00491  004910        05  FILLER              PIC X(7) VALUE SPACES.    04800000  DNM=21-480  BL=9  D80  0585  DS 7C
00492  004920        05  RPT2-ERR-MSG        PIC X(45).                04810000  DNM=22-000  BL=9  D87  0592  DS 45C
00493  004930        05  FILLER              PIC X(28) VALUE SPACES.   04820000  DNM=22-025  BL=9  D84  0637  DS 28C
00494  004940*                                                         04830000
00495  004950     03 RPT2-DETAIL-LINE2.                                 04840000  DNM=22-039  BL=9  DD0  0665  DS 0CL133
00496  004960        05  FILLER              PIC X(60) VALUE SPACES.   04850000  DNM=22-072  BL=9  DD0  0665  DS 60C
00497  004970        05  LINE2-ERR-MSG       PIC X(45).                04860000  DNM=22-086  BL=9  E0C  0725  DS 45C
00498  004980        05  FILLER              PIC X(28) VALUE SPACES.   04870000  DNM=22-112  BL=9  E39  0770  DS 28C
```

```
14        NM100          10.43.12        APR  3,1984                                    INT NAME    BASE  DISP RLOI  DEFINITION

00500  005000*-*-*-*-*-*-*-*-*-*-*-* * * *-*                                  0489000
00501  005010*  STRUC-ERR RPT DESCRIPTION  *                                  0490000
00502  005020* * * * * * * * * * * * * * * * *                                0491000
00503  005030*                                                                0492000
00504  005040 01  REPORT-LINES3.                                              0493000   DNM=22-126  BL=9  E58  0001  DS  0CL800
00505  005050     03 REPORT3-HEAD1.                                            0494000   DNM=22-152  BL=9  E58  0001  DS  0CL133
00506  005060        05 FILLER                 PIC X      VALUE SPACE.       0495000   DNM=22-181  BL=9  E58  0001  DS  1C
00507  005070        05 FILLER                 PIC X(9)   VALUE 'NM 100 R3'. 0496000   DNM=22-195  BL=9  E59  0002  DS  9C
00508  005080        05 FILLER                 PIC X(24)  VALUE SPACES.      0497000   DNM=22-209  BL=9  E62  0011  DS  24C
00509  005090        05 FILLER                 PIC X(43)  VALUE              0498000   DNM=22-223  BL=9  E7A  0035  DS  43C
00510  005100            'NORTH CAROLINA DIVISION OF MARINE FISHERIES'.      0499000
00511  005110        05 FILLER                 PIC X(40)  VALUE SPACES.      0500000   DNM=22-237  BL=9  EA5  0078  DS  40C
00512  005120        05 FILLER                 PIC X(5)   VALUE 'PAGE '.     0501000   DNM=22-251  BL=9  ECD  0118  DS  5C
00513  005130        05 R3-PAGE-NO             PIC ZZZ9.                     0502000   DNM=22-265  BL=9  ED2  0123  DS  4C
00514  005140        05 FILLER                 PIC X(7)   VALUE SPACES.      0503000   DNM=22-292  BL=9  ED6  0127  DS  7C
00515  005150*                                                               0504000
00516  005160     03 REPORT3-HEAD2.                                           0505000   DNM=22-306  BL=9  EDD  0134  DS  0CL133
00517  005170        05 FILLER                 PIC X(38)  VALUE SPACES.      0506000   DNM=22-332  BL=9  EDD  0134  DS  38C
00518  005180        05 FILLER                 PIC X(35)  VALUE              0507000   DNM=22-346  BL=9  F03  0172  DS  35C
00519  005190            'MASTER FILE STRUCTURAL ERROR REPORT'.              0508000
00520  005200        05 FILLER                 PIC X(44)  VALUE SPACES.      0509000   DNM=22-360  BL=9  F26  0207  DS  44C
00521  005210        05 FILLER                 PIC X(5)   VALUE 'DATE '.     0510000   DNM=22-374  BL=9  F52  0251  DS  5C
00522  005220        05 R3-RUN-DATE            PIC X(8).                     0511000   DNM=22-388  BL=9  F57  0256  DS  8C
00523  005230        05 FILLER                 PIC X(3)   VALUE SPACES.      0512000   DNM=22-409  BL=9  F5F  0264  DS  3C
00524  005240*                                                               0513000
00525  005250     03 REPORT3-COL-HEAD1.                                       0514000   DNM=22-423  BL=9  F62  0267  DS  0CL133
00526  005260        05  FILLER                 PIC X(05)  VALUE SPACES.      0515000   DNM=22-453  BL=9  F62  0267  DS  5C
00527  005270        05  FILLER                 PIC X(22)                     0516000   DNM=22-467  BL=9  F67  0272  DS  22C
00528  005280            VALUE 'SEQUENCE  REPLICATE    '.                    0517000
00529  005290        05  FILLER                 PIC X(19)                     0518000   DNM=22-481  BL=9  F7D  0294  DS  19C
00530  005300            VALUE 'SPECIES      LINE'.                          0519000
00531  005310        05  FILLER                 PIC X(7)   VALUE SPACES.      0520000   DNM=22-495  BL=9  F90  0313  DS  7C
00532  005320        05  FILLER                 PIC X(37)                     0521000   DNM=23-000  BL=9  F97  0320  DS  37C
00533  005330            VALUE 'MISSING   MISSING   MISSING    DUP  '.        0522000
00534  005340        05  FILLER                 PIC X(23)                     0523000   DNM=23-014  BL=9  FBC  0357  DS  23C
00535  005350            VALUE '   NON SEQ   NON SEQ    '.                   0524000
00536  005360        05  FILLER                 PIC X(20)                     0525000   DNM=23-028  BL=9  FD3  0380  DS  20C
00537  005370            VALUE 'MISSING              '.                      0526000
00538  005380*                                                               0527000
00539  005390     03 REPORT3-COL-HEAD2.                                       0528000   DNM=23-042  BL=9  FE7  0400  DS  0CL134
00540  005400        05  FILLER                 PIC X(05)  VALUE SPACES.      0529000   DNM=23-072  BL=9  FE7  0400  DS  5C
00541  005410        05  FILLER                 PIC X(22)                     0530000   DNM=23-086  BL=9  FEC  0405  DS  22C
00542  005420            VALUE ' NUMBER   NUMBER     '.                      0531000
00543  005430        05  FILLER                 PIC X(21)                     0532000   DNM=23-100  BL=10 002  0427  DS  21C
00544  005440            VALUE ' CODE      NUMBER '.                         0533000
00545  005450        05  FILLER                 PIC X(5)   VALUE SPACES.      0534000   DNM=23-114  BL=10 017  0448  DS  5C
00546  005460        05  FILLER                 PIC X(40)                     0535000   DNM=23-128  BL=10 01C  0453  DS  40C
00547  005470            VALUE ' ENVIR    REPLIC    SPECIES     TAG     '.   0536000
00548  005480        05  FILLER                 PIC X(27)                     0537000   DNM=23-142  BL=10 044  0493  DS  27C
00549  005490            VALUE '  TAG      INDIV     INDIV '.                0538000
00550  005500        05  FILLER                 PIC X(14)                     0539000   DNM=23-156  BL=10 05F  0520  DS  14C
00551  005510            VALUE '                '.                          0540000
00552  005520*                                                               0541000
00553  005530     03 REPORT3-COL-HEAD3.                                       0542000   DNM=23-170  BL=10 06D  0534  DS  0CL134
```

```
00554  005540        05  FILLER                PIC X(53) VALUE SPACES.        05430000  DNM=23-200  BL=10 06D  0534  DS 53C
00555  005550        05  FILLER                PIC X(40)                      05440000  DNM=23-214  BL=10 0A2  0587  DS 40C
00556  005560            VALUE '  DATA      DATA      DATA    RECAPT    '.   05450000
00557  005570        05  FILLER                PIC X(27)                      05460000  DNM=23-228  BL=10 0CA  0627  DS 27C
00558  005580            VALUE 'RECAPT    RECORD    RECORD '.                05470000
00559  005590        05  FILLER                PIC X(14) VALUE SPACES.        05480000  DNM=23-242  BL=10 0E5  0654  DS 14C
00560  005600*                                                               05490000
00561  005610    03 REPORT3-DETAIL-LINE.                                     05500000  DNM=23-256  BL=10 0F3  0668  DS 0CL133
00562  005620        05  FILLER                PIC X(05) VALUE SPACES.        05510000  DNM=23-288  BL=10 0F3  0668  DS 5C
00563  005630        05  RPT3-SEQ-NBR          PIC X(7).                      05520000  DNM=23-302  BL=10 0F8  0673  DS 7C
00564  005640        05  FILLER                PIC X(6) VALUE SPACES.         05530000  DNM=23-324  BL=10 0FF  0680  DS 6C
00565  005650        05  RPT3-REP-NBR          PIC X(2).                      05540000  DNM=23-338  BL=10 105  0686  DS 2C
00566  005660        05  FILLER                PIC X(6) VALUE SPACES.         05550000  DNM=23-363  BL=10 107  0688  DS 6C
00567  005670        05  RPT3-SPECIES-CODE     PIC X(10).                     05560000  DNM=23-377  BL=10 10D  0694  DS 10C
00568  005680        05  RPT3-DASH             PIC X VALUE SPACE.             05570000  DNM=23-407  BL=10 117  0704  DS 1C
00569  005690        05  RPT3-SPECIES-STATUS PIC X.                           05580000  DNM=23-429  BL=10 118  0705  DS 1C
00570  005700        05  FILLER                PIC X(4) VALUE SPACES.         05590000  DNM=23-461  BL=10 119  0706  DS 4C
00571  005710        05  RPT3-LINE-NBR         PIC X(3).                      05600000  DNM=23-475  BL=10 11D  0710  DS 3C
00572  005720        05  FILLER                PIC X(10) VALUE SPACES.        05610000  DNM=24-000  BL=10 120  0713  DS 10C
00573  005730        05  MISSING-ENVIR         PIC X.                         05620000  DNM=24-014  BL=10 12A  0723  DS 1C
00574  005740        05  FILLER                PIC X(09) VALUE SPACES.        05630000  DNM=24-040  BL=10 12B  0724  DS 9C
00575  005750        05  MISSING-REPLIC        PIC X.                         05640000  DNM=24-054  BL=10 134  0733  DS 1C
00576  005760        05  FILLER                PIC X(09) VALUE SPACES.        05650000  DNM=24-078  BL=10 135  0734  DS 9C
00577  005770        05  MISSING-SPECIES       PIC X.                         05660000  DNM=24-092  BL=10 13E  0743  DS 1C
00578  005780        05  FILLER                PIC X(09) VALUE SPACES.        05670000  DNM=24-117  BL=10 13F  0744  DS 9C
00579  005790        05  DUP-TAG-RECAPT        PIC X.                         05680000  DNM=24-131  BL=10 148  0753  DS 1C
00580  005800        05  FILLER                PIC X(09) VALUE SPACES.        05690000  DNM=24-155  BL=10 149  0754  DS 9C
00581  005810        05  NON-SEQ-TAG-RECAPT    PIC X.                         05700000  DNM=24-169  BL=10 152  0763  DS 1C
00582  005820        05  FILLER                PIC X(09) VALUE SPACES.        05710000  DNM=24-200  BL=10 153  0764  DS 9C
00583  005830        05  NON-SEQ-INDIV-REC     PIC X.                         05720000  DNM=24-214  BL=10 15C  0773  DS 1C
00584  005840        05  FILLER                PIC X(9) VALUE SPACES.         05730000  DNM=24-241  BL=10 15D  0774  DS 9C
00585  005850        05  MISSING-INDIV-REC     PIC X.                         05740000  DNM=24-255  BL=10 166  0783  DS 1C
00586  005860        05  FILLER                PIC X(17) VALUE SPACES.        05750000  DNM=24-285  BL=10 167  0784  DS 17C
```

```
00588  005880 01  TRANS-REC-FOR PIC X(16) VALUE '  TRANS REC HERE'.          05770000  DNM=24-299  BL=10 178  0001  DS 16C
00589  005890* * * * * * * * * * * * * * *                                   05780000
00590  005900* TRANSACTION RECORD LAYOUT *                                   05790000
00591  005910* * * * * * * * * * * * * * *                                   05800000
00592  005920*                                                               05810000
00593 **000010*****************************************************************
00594  000020*************************** NM100REC ***************************
00595  000030*************************** PGDC ******************************
00596  000040*****************************************************************
00597  000050 01  NM100REC.                                                          DNM=24-322  BL=10 188  0001  DS 0CL128
00598  000060     03 ACTION-CODE                  PIC X.                             DNM=24-343  BL=10 188  0001  DS 1C
00599  000070         88 END-OF-TRANS          VALUE HIGH-VALUES.
00600  000080         88 TR-ADD                VALUE ' ' 'A'.
00601  000090         88 TR-CHANGE             VALUE 'C'.
00602  000100         88 TR-DELETE             VALUE 'D'.
00603  000110         88 VALID-CHANGE-CODE     VALUE 'C' 'D'.
00604  000120     03 RECORD-TYPE                  PIC X.                             DNM=24-481  BL=10 189  0002  DS 1C
00605  000130             88 ENVIR-RECORD     VALUE '1'.
00606  000140             88 REPLIC-RECORD    VALUE '2'.
00607  000150             88 SPECIES-RECORD   VALUE '3'.
00608  000160             88 INDIV-RECORD     VALUE '4'.
00609  000170             88 ANNULUS-RECORD   VALUE '5'.
00610  000180             88 DUP-INDIV-RECORD6 VALUE '6'.
00611  000190             88 DUP-INDIV-RECORD7 VALUE '7'.
00612  000200             88 TAG-RECAPTURE-RECORD VALUE '9'.
00613  000210     03 TR-CONTROL.                                                     DNM=25-219  BL=10 18A  0003  DS 0CL23
00614  000220         05 RECORD-KEY.                                                 DNM=25-245  BL=10 18A  0003  DS 0CL23
00615  000230             07 SEQUENCE-NUMBER.                                        DNM=25-271  BL=10 18A  0003  DS 0CL7
00616  000240                 09 SEQ-YR           PIC XX.                            DNM=25-302  BL=10 18A  0003  DS 2C
00617  000250                 09 SEQ-FILLER       PIC X(5).                          DNM=25-321  BL=10 18C  0005  DS 5C
00618  000260             07 REPLICATE-NUMBER     PIC X(2).                          DNM=25-344  BL=10 191  0010  DS 2C
00619  000270             07 SPECIES-GROUP.                                          DNM=25-373  BL=10 193  0012  DS 0CL11
00620  000280                 09 SPECIES-CODE     PIC X(10).                         DNM=25-402  BL=10 193  0012  DS 10C
00621  000290                 09 SPECIES-STATUS   PIC X.                             DNM=25-427  BL=10 19D  0022  DS 1C
00622  000300             07 LINE-NUMBER          PIC X(3).                          DNM=25-454  BL=10 19E  0023  DS 3C
00623  000310         05 RECORD-KEY-R REDEFINES RECORD-KEY.                          DNM=25-475  BL=10 18A  0003  DS 0CL23
00624  000320             07 SEQ-NBR-THRU-SPEC-GRP PIC X(20).                        DNM=26-000  BL=10 18A  0003  DS 20C
00625  000330             07 FILLER                 PIC X(3).                        DNM=26-034  BL=10 19E  0023  DS 3C
00626  000340     03 TR-DATA                      PIC X(103).                        DNM=26-048  BL=10 1A1  0026  DS 103C
00627  000350     03 TR-ENVIR-STA-DATA REDEFINES TR-DATA.                            DNM=26-065  BL=10 1A1  0026  DS 0CL103
00628  000360         05 PROGRAM-TYPE             PIC X(3).                          DNM=26-098  BL=10 1A1  0026  DS 3C
00629  000370         05 ENVIR-DATE               PIC X(6).                          DNM=26-120  BL=10 1A4  0029  DS 6C
00630  000380         05 ENVIR-STAT-NUMBER        PIC X(5).                          DNM=26-140  BL=10 1AA  0035  DS 5C
00631  000390         05 ENVIR-START-LOC.                                            DNM=26-167  BL=10 1AF  0040  DS 0CL10
00632  000400             07 ENVIR-LATITUTE       PIC X(5).                          DNM=26-198  BL=10 1AF  0040  DS 5C
00633  000410             07 ENVIR-LONGITUDE      PIC X(5).                          DNM=26-222  BL=10 1B4  0045  DS 5C
00634  000420         05 ENVIR-START-LOC-R REDEFINES ENVIR-START-LOC                 DNM=26-250  BL=10 1AF  0040  DS 10C
00635  000430                                     PIC 9(10).
00636  000440         05 ENVIR-GRID.                                                 DNM=26-280  BL=10 189  0050  DS 0CL4
00637  000450             07 ENVIR-NUMER-GRID     PIC X(2).                          DNM=26-306  BL=10 189  0050  DS 2C
00638  000460             07 ENVIR-ALPHA-GRID     PIC X(2).                          DNM=26-332  BL=10 18B  0052  DS 2C
00639  000470         05 ENVIR-QUAD               PIC X.                             DNM=26-358  BL=10 18D  0054  DS 1C
00640  000480         05 ENVIR-END-TIME           PIC X(4).                          DNM=26-381  BL=10 18E  0055  DS 4C
00641  000490         05 ENVIR-DURATION-OR-AREA   PIC X(4).                          DNM=26-408  BL=10 1C2  0059  DS 4C
```

```
                                                                                                                    INT NAME    BASE  DISP RL01  DEFINITION
00642  000500          05 ENVIR-GEAR-TYPE          PIC X(3).                                                        DNM=26-440  BL=10 1C6  0063  DS 3C
00643  000510          05 ENVIR-GEAR-PARM1         PIC X(4).                                                        DNM=26-468  BL=10 1C9  0066  DS 4C
00644  000520          05 ENVIR-GEAR-PARM2         PIC X(4).                                                        DNM=27-000  BL=10 1CD  0070  DS 4C
00645  000530          05 ENVIR-GEAR-PARM3         PIC X(4).                                                        DNM=27-029  BL=10 1D1  0074  DS 4C
00646  000540          05 ENVIR-RIG                PIC X.                                                           DNM=27-058  BL=10 1D5  0078  DS 1C
00647  000550          05 ENVIR-TYPE-OF-TOW        PIC X.                                                           DNM=27-077  BL=10 1D6  0079  DS 1C
00648  000560          05 ENVIR-BOTTOM-TYPE        PIC X(2).                                                        DNM=27-104  BL=10 1D7  0080  DS 2C
00649  000570          05 ENVIR-BOTTOM-PROFILE     PIC X.                                                           DNM=27-134  BL=10 1D9  0082  DS 1C
00650  000580          05 ENVIR-DEPTH              PIC X(3).                                                        DNM=27-167  BL=10 1DA  0083  DS 3C
00651  000590          05 ENVIR-AIR-TEMP           PIC X(3).                                                        DNM=27-191  BL=10 1DD  0086  DS 3C
00652  000600          05 ENVIR-SURFACE-TEMP       PIC X(3).                                                        DNM=27-215  BL=10 1E0  0089  DS 3C
00653  000610          05 ENVIR-BOTTOM-TEMP        PIC X(3).                                                        DNM=27-246  BL=10 1E3  0092  DS 3C
00654  000620          05 ENVIR-SURFACE-SALIN      PIC X(3).                                                        DNM=27-276  BL=10 1E6  0095  DS 3C
00655  000630          05 ENVIR-BOTTOM-SALIN       PIC X(3).                                                        DNM=27-305  BL=10 1E9  0098  DS 3C
00656  000640          05 ENVIR-CONDUCT            PIC X(4).                                                        DNM=27-336  BL=10 1EC  0101  DS 4C
00657  000650          05 ENVIR-SURFACE-DO         PIC X(3).                                                        DNM=27-362  BL=10 1F0  0105  DS 3C
00658  000660          05 ENVIR-BOTTOM-DO          PIC X(3).                                                        DNM=27-390  BL=10 1F3  0108  DS 3C
00659  000670          05 ENVIR-PH                 PIC X(2).                                                        DNM=27-418  BL=10 1F6  0111  DS 2C
00660  000680          05 ENVIR-WEATHER            PIC X.                                                           DNM=27-439  BL=10 1F8  0113  DS 1C
00661  000690          05 ENVIR-BAROMETER          PIC X(4).                                                        DNM=27-462  BL=10 1F9  0114  DS 4C
00662  000700          05 ENVIR-WIND-DIRECT        PIC X.                                                           DNM=28-000  BL=10 1FD  0118  DS 1C
00663  000710          05 ENVIR-WIND-SPEED         PIC X(2).                                                        DNM=28-030  BL=10 1FE  0119  DS 2C
00664  000720          05 ENVIR-CURRENT-DIRECT     PIC X.                                                           DNM=28-059  BL=10 200  0121  DS 1C
00665  000730          05 ENVIR-CURRENT-SPEED      PIC X(2).                                                        DNM=28-092  BL=10 201  0122  DS 2C
00666  000740          05 ENVIR-WATER-LEVEL        PIC X.                                                           DNM=28-124  BL=10 203  0124  DS 1C
00667  000750          05 ENVIR-STATE-ALTER        PIC X.                                                           DNM=28-151  BL=10 204  0125  DS 1C
00668  000760          05 ENVIR-ALLOWED-ACT        PIC X.                                                           DNM=28-181  BL=10 205  0126  DS 1C
00669  000770          05 ENVIR-NUMBER-REPLIC      PIC X(2).                                                        DNM=28-211  BL=10 206  0127  DS 2C
00670  000780      03  TR-REPLICATE-DATA REDEFINES TR-DATA.                                                        DNM=28-240  BL=10 1A1  0026  DS OCL103
00671  000790          05 RP-COLLECT-SIZE          PIC X(6).                                                        DNM=28-270  BL=10 1A1  0026  DS 6C
00672  000800          05 RP-COLLECT-SIZE-R REDEFINES RP-COLLECT-SIZE PIC 9(6).                                     DNM=28-295  BL=10 1A1  0026  DS 6C
00673  000810          05 RP-SAMPLE-SIZE           PIC X(6).                                                        DNM=28-325  BL=10 1A7  0032  DS 6C
00674  000820          05 RP-SAMPLE-SIZE-R REDEFINES RP-SAMPLE-SIZE PIC 9(6).                                       DNM=28-352  BL=10 1A7  0032  DS 6C
00675  000830          05 RP-NUMBER-SPECIES        PIC X(2).                                                        DNM=28-381  BL=10 1AD  0038  DS 2C
00676  000840          05 RP-QUALITY               PIC X.                                                           DNM=28-411  BL=10 1AF  0040  DS 1C
00677  000850          05 FILLER                   PIC X(88).                                                       DNM=28-431  BL=10 1B0  0041  DS 88C
00678  000860      03  TR-SPECIES-DATA REDEFINES TR-DATA.                                                          DNM=28-445  BL=10 1A1  0026  DS OCL103
00679  000870          05 SPE-TOTAL-CNT            PIC X(5).                                                        DNM=28-473  BL=10 1A1  0026  DS 5C
00680  000880          05 SPE-TOTAL-CNT-R REDEFINES SPE-TOTAL-CNT PIC 9(5).                                         DNM=29-000  BL=10 1A1  0026  DS 5C
00681  000890          05 SPE-TOTAL-WGT            PIC X(6).                                                        DNM=29-028  BL=10 1A6  0031  DS 6C
00682  000900          05 SPE-TOTAL-WGT-R REDEFINES SPE-TOTAL-WGT PIC 9(6).                                         DNM=29-051  BL=10 1A6  0031  DS 6C
00683  000910          05 SPE-SAMPLE-CNT           PIC X(5).                                                        DNM=29-076  BL=10 1AC  0037  DS 5C
00684  000920          05 SPE-SAMPLE-CNT-R REDEFINES SPE-SAMPLE-CNT                                                 DNM=29-103  BL=10 1AC  0037  DS 5C
00685  000930                                     PIC 9(5).
00686  000940          05 SPE-SAMPLE-WGT           PIC X(6).                                                        DNM=29-132  BL=10 1B1  0042  DS 6C
00687  000950          05 SPE-SAMPLE-WGT-R REDEFINES SPE-SAMPLE-WGT                                                 DNM=29-156  BL=10 1B1  0042  DS 6C
00688  000960                                     PIC 9(6).
00689  000970          05 SPE-SUBSAMPLE-CNT        PIC X(5).                                                        DNM=29-182  BL=10 1B7  0048  DS 5C
00690  000980          05 SPE-SUBSAMPLE-CNT-R REDEFINES SPE-SUBSAMPLE-CNT                                           DNM=29-209  BL=10 1B7  0048  DS 5C
00691  000990                                     PIC 9(5).
00692  001000          05 SPE-SUBSAMPLE-WGT        PIC X(6).                                                        DNM=29-238  BL=10 1BC  0053  DS 6C
00693  001010          05 SPE-SUBSAMPLE-WGT-R REDEFINES SPE-SUBSAMPLE-WGT                                           DNM=29-265  BL=10 1BC  0053  DS 6C
00694  001020                                     PIC 9(6).
00695  001030          05 SPE-INDIV-FORMAT-CODE    PIC X.                                                           DNM=29-297  BL=10 1C2  0059  DS 1C
```

```
                                                                                                    INT NAME   BASE  DISP RL01  DEFINITION
00696  001040          05 SPE-TAG-TYPE1              PIC X.                                       DNM=29-328 BL=10 1C3  0060  DS 1C
00697  001050          05 SPE-NBR-TAGGED1            PIC X(5).                                    DNM=29-354 BL=10 1C4  0061  DS 5C
00698  001060          05 SPE-TAG-TYPE2              PIC X.                                       DNM=29-379 BL=10 1C9  0066  DS 1C
00699  001070          05 SPE-NBR-TAGGED2            PIC X(5).                                    DNM=29-402 BL=10 1CA  0067  DS 5C
00700  001080          05 FILLER                     PIC X(57).                                   DNM=29-430 BL=10 1CF  0072  DS 57C
00701  001090    03  TR-INDIVIDUAL-DATA REDEFINES TR-DATA.                                        DNM=29-444 BL=10 1A1  0026  DS 0CL103
00702  001100          05 INDIV-CNT                  PIC X(3).                                    DNM=29-478 BL=10 1A1  0026  DS 3C
00703  001110          05 INDIV-LTH                  PIC X(4).                                    DNM=30-000 BL=10 1A4  0029  DS 4C
00704  001120          05 INDIV-LTH-R REDEFINES INDIV-LTH PIC 9(4).                               DNM=30-019 BL=10 1A4  0029  DS 4C
00705  001130          05 INDIV-DETAILS.                                                          DNM=30-043 BL=10 1A8  0033  DS 0CL38
00706  001140             07 TEMP-FILLER             PIC X.                                       DNM=30-069 BL=10 1A8  0033  DS 1C
00707  001150             07 INDIV-WGT               PIC X(5).                                    DNM=30-090 BL=10 1A9  0034  DS 5C
00708  001160             07 INDIV-SEX               PIC X.                                       DNM=30-109 BL=10 1AE  0039  DS 1C
00709  001170             07 INDIV-MATURE            PIC X.                                       DNM=30-131 BL=10 1AF  0040  DS 1C
00710  001180             07 INDIV-PARM1             PIC X(4).                                    DNM=30-156 BL=10 1B0  0041  DS 4C
00711  001190             07 INDIV-PARM2             PIC X(4).                                    DNM=30-180 BL=10 1B4  0045  DS 4C
00712  001200             07 INDIV-PARM3             PIC X(4).                                    DNM=30-201 BL=10 1B8  0049  DS 4C
00713  001210             07 INDIV-EGG-CNT           PIC X(4).                                    DNM=30-222 BL=10 1BC  0053  DS 4C
00714  001220             07 INDIV-EGG-STAGE         PIC X.                                       DNM=30-248 BL=10 1C0  0057  DS 1C
00715  001230             07 INDIV-STATUS            PIC X.                                       DNM=30-273 BL=10 1C1  0058  DS 1C
00716  001240             07 INDIV-TAG-NBR           PIC X(6).                                    DNM=30-295 BL=10 1C2  0059  DS 6C
00717  001250             07 INDIV-TAG-NBR-R REDEFINES INDIV-TAG-NBR PIC 9(6).                   DNM=30-321 BL=10 1C2  0059  DS 6C
00718  001260             07 INDIV-AGE-STATUS        PIC X.                                       DNM=30-346 BL=10 1C8  0065  DS 1C
00719  001270             07 INDIV-AGE-STRUCTURE PIC X.                                          DNM=30-375 BL=10 1C9  0066  DS 1C
00720  001280             07 INDIV-AGE               PIC X(2).                                    DNM=30-404 BL=10 1CA  0067  DS 2C
00721  001290             07 INDIV-AGE-R REDEFINES INDIV-AGE PIC 99.                             DNM=30-423 BL=10 1CA  0067  DS 2C
00722  001300             07 INDIV-SPAWN-MARK-CNT PIC X(2).                                      DNM=30-447 BL=10 1CC  0069  DS 2C
00723  001310             07 INDIV-SPAWN-MARK-CNT-R REDEFINES                                    DNM=30-477 BL=10 1CC  0069  DS 2C
00724  001320                   INDIV-SPAWN-MARK-CNT
00725  001330                   PIC 99.
00726  001340          05 FILLER                     PIC X(58).                                   DNM=31-000 BL=10 1CE  0071  DS 58C
00727  001350    03  TR-ANNULUS-DATA REDEFINES TR-DATA.                                           DNM=31-014 BL=10 1A1  0026  DS 0CL103
00728  001360          05 ANL-AGE                    PIC X(2).                                    DNM=31-042 BL=10 1A1  0026  DS 2C
00729  001370          05 ANL-AGE-R REDEFINES ANL-AGE PIC 99.                                     DNM=31-062 BL=10 1A1  0026  DS 2C
00730  001380          05 ANL-LTH-TO-EDGE            PIC X(3).                                    DNM=31-081 BL=10 1A3  0028  DS 3C
00731  001390          05 ANL-LTH-TO-EDGE-R REDEFINES ANL-LTH-TO-EDGE PIC 9(3).                   DNM=31-109 BL=10 1A3  0028  DS 3C
00732  001400          05 ANL-MARGIN-INCR            PIC X(3).                                    DNM=31-139 BL=10 1A6  0031  DS 3C
00733  001410          05 ANL-MARGIN-INCR-R REDEFINES ANL-MARGIN-INCR PIC 9(3).                   DNM=31-167 BL=10 1A6  0031  DS 3C
00734  001420          05 ANL-DISTANCES.                                                          DNM=31-197 BL=10 1A9  0034  DS 0CL90
00735  001430             07 ANL-DISTANCE1           PIC X(3).                                    DNM=31-226 BL=10 1A9  0034  DS 3C
00736  001440             07 ANL-DISTANCE2           PIC X(3).                                    DNM=31-252 BL=10 1AC  0037  DS 3C
00737  001450             07 ANL-DISTANCE3           PIC X(3).                                    DNM=31-278 BL=10 1AF  0040  DS 3C
00738  001460             07 ANL-DISTANCE4           PIC X(3).                                    DNM=31-301 BL=10 1B2  0043  DS 3C
00739  001470             07 ANL-DISTANCE5           PIC X(3).                                    DNM=31-327 BL=10 1B5  0046  DS 3C
00740  001480             07 ANL-DISTANCE6           PIC X(3).                                    DNM=31-350 BL=10 1B8  0049  DS 3C
00741  001490             07 ANL-DISTANCE7           PIC X(3).                                    DNM=31-376 BL=10 1B8  0052  DS 3C
00742  001500             07 ANL-DISTANCE8           PIC X(3).                                    DNM=31-399 BL=10 1BE  0055  DS 3C
00743  001510             07 ANL-DISTANCE9           PIC X(3).                                    DNM=31-425 BL=10 1C1  0058  DS 3C
00744  001520             07 ANL-DISTANCE10          PIC X(3).                                    DNM=31-451 BL=10 1C4  0061  DS 3C
00745  001530             07 ANL-DISTANCE11          PIC X(3).                                    DNM=31-475 BL=10 1C7  0064  DS 3C
00746  001540             07 ANL-DISTANCE12          PIC X(3).                                    DNM=32-000 BL=10 1CA  0067  DS 3C
00747  001550             07 ANL-DISTANCE13          PIC X(3).                                    DNM=32-027 BL=10 1CD  0070  DS 3C
00748  001560             07 ANL-DISTANCE14          PIC X(3).                                    DNM=32-054 BL=10 1D0  0073  DS 3C
00749  001570             07 ANL-DISTANCE15          PIC X(3).                                    DNM=32-081 BL=10 1D3  0076  DS 3C
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION
00750  001580          07 ANL-DISTANCE16      PIC X(3).                          DNM=32-105  BL=10 1D6  0079  DS 3C
00751  001590          07 ANL-DISTANCE17      PIC X(3).                          DNM=32-132  BL=10 1D9  0082  DS 3C
00752  001600          07 ANL-DISTANCE18      PIC X(3).                          DNM=32-159  BL=10 1DC  0085  DS 3C
00753  001610          07 ANL-DISTANCE19      PIC X(3).                          DNM=32-186  BL=10 1DF  0088  DS 3C
00754  001620          07 ANL-DISTANCE20      PIC X(3).                          DNM=32-213  BL=10 1E2  0091  DS 3C
00755  001630          07 ANL-DISTANCE21      PIC X(3).                          DNM=32-237  BL=10 1E5  0094  DS 3C
00756  001640          07 ANL-DISTANCE22      PIC X(3).                          DNM=32-261  BL=10 1E8  0097  DS 3C
00757  001650          07 ANL-DISTANCE23      PIC X(3).                          DNM=32-285  BL=10 1EB  0100  DS 3C
00758  001660          07 ANL-DISTANCE24      PIC X(3).                          DNM=32-309  BL=10 1EE  0103  DS 3C
00759  001670          07 ANL-DISTANCE25      PIC X(3).                          DNM=32-333  BL=10 1F1  0106  DS 3C
00760  001680          07 ANL-DISTANCE26      PIC X(3).                          DNM=32-360  BL=10 1F4  0109  DS 3C
00761  001690          07 ANL-DISTANCE27      PIC X(3).                          DNM=32-384  BL=10 1F7  0112  DS 3C
00762  001700          07 ANL-DISTANCE28      PIC X(3).                          DNM=32-408  BL=10 1FA  0115  DS 3C
00763  001710          07 ANL-DISTANCE29      PIC X(3).                          DNM=32-435  BL=10 1FD  0118  DS 3C
00764  001720          07 ANL-DISTANCE30      PIC X(3).                          DNM=32-462  BL=10 200  0121  DS 3C
00765  001730      05 ANL-DIST-R REDEFINES ANL-DISTANCES.                        DNM=33-000  BL=10 1A9  0034  DS 0CL90
00766  001740          07 ANL-DIST OCCURS 30 TIMES PIC 9(3).                     DNM=33-026  BL=10 1A9  0034  DS 3C
00767  001750      05 NUM-OF-SPAWN-MARKS      PIC XX.                            DNM=33-047  BL=10 203  0124  DS 2C
00768  001760      05 FILLER                  PIC XXX.                           DNM=33-078  BL=10 205  0126  DS 3C
00769  001770  03 TR-TAG-RECAPTURE-DATA REDEFINES TR-DATA.                       DNM=33-092  BL=10 1A1  0026  DS 0CL103
00770  001780      05  TAG-NUMBER             PIC X(6).                          DNM=33-129  BL=10 1A1  0026  DS 6C
00771  001790      05  TAG-TYPE               PIC X.                             DNM=33-149  BL=10 1A7  0032  DS 1C
00772  001800      05  RECAPTURE-DATE         PIC X(6).                          DNM=33-170  BL=10 1A8  0033  DS 6C
00773  001810      05  RECAPTURE-LOC          PIC X(10).                         DNM=33-197  BL=10 1AE  0039  DS 10C
00774  001820      05  RECAPTURE-GEAR         PIC X(3).                          DNM=33-223  BL=10 1B8  0049  DS 3C
00775  001830      05  DAYS-OUT               PIC X(4).                          DNM=33-247  BL=10 1BB  0052  DS 4C
00776  001840      05  DIST-TRAVELED          PIC X(4).                          DNM=33-265  BL=10 1BF  0056  DS 4C
00777  001850      05  RECAPTURE-LENGTH       PIC X(4).                          DNM=33-288  BL=10 1C3  0060  DS 4C
00778  001860      05  RECAPTURE-WEIGHT       PIC X(5).                          DNM=33-314  BL=10 1C7  0064  DS 5C
00779  001870      05  MATURITY               PIC X(1).                          DNM=33-340  BL=10 1CC  0069  DS 1C
00780  001880      05  FILLER                 PIC X(59).                         DNM=33-361  BL=10 1CD  0070  DS 59C
00781  001890*****************************************************************
```

```
00783  005950 01  MAST-REC-FDR  PIC X(16) VALUE ' MASTER REC HERE'.          05840000  DNM=33-375  BL=10 208  0001  DS 16C
00784  005960* * * * * * * * * * * * * * *                                   05850000
00785  005970* OLD MASTER RECORD LAYOUT  *                                   05860000
00786  005980* * * * * * * * * * * * * * *                                   05870000
00787  005990*                                                               05880000
00788 **000010*****************************************************************
00789  000020*************************** NM110REC ***************************
00790  000030****************************** HBLK ******************************
00791  000040*****************************************************************
00792  000050 01  NM110REC.                                                  DNM=33-400  BL=10 218  0001  DS 0CL150
00793  000060     03 RECORD-TYPE                  PIC X.                      DNM=33-424  BL=10 218  0001  DS 1C
00794  000070         88 MSTR-ENVIR-RECORD            VALUE '1'.
00795  000080         88 MSTR-REPLIC-RECORD           VALUE '2'.
00796  000090         88 MSTR-SPECIES-RECORD          VALUE '3'.
00797  000100         88 MSTR-INDIV-RECORD            VALUE '4'.
00798  000110         88 MSTR-ANNULUS-RECORD          VALUE '5'.
00799  000120         88 MSTR-TAG-RECAPTURE-RECORD    VALUE '9'.
00800  000130     03 MSTR-CONTROL.                                            DNM=34-133  BL=10 219  0002  DS 0CL23
00801  000140         88 END-OF-MASTER            VALUE HIGH-VALUES.
00802  000150         05 RECORD-KEY.                                          DNM=34-187  BL=10 219  0002  DS 0CL23
00803  000160             07 SEQUENCE-NUMBER.                                 DNM=34-213  BL=10 219  0002  DS 0CL7
00804  000170                 09 SEQ-YR           PIC XX.                     DNM=34-244  BL=10 219  0002  DS 2C
00805  000180                 09 SEQ-FILLER       PIC X(5).                   DNM=34-263  BL=10 218  0004  DS 5C
00806  000190             07 REPLICATE-NUMBER     PIC X(2).                   DNM=34-286  BL=10 220  0009  DS 2C
00807  000200             07 SPECIES-GROUP.                                   DNM=34-315  BL=10 222  0011  DS 0CL11
00808  000210                 09 SPECIES-CODE     PIC X(10).                  DNM=34-344  BL=10 222  0011  DS 10C
00809  000220                 09 SPECIES-STATUS   PIC X.                      DNM=34-369  BL=10 22C  0021  DS 1C
00810  000230             07 LINE-NUMBER          PIC X(3).                   DNM=34-396  BL=10 22D  0022  DS 3C
00811  000240                88 LINE1             VALUE '001'.
00812  000250                88 LINE2             VALUE '002'.
00813  000260             07 LINE-NUMBER-R REDEFINES LINE-NUMBER PIC 999.     DNM=34-465  BL=10 22D  0022  DS 3C
00814  000270         05  RECORD-KEY-R REDEFINES RECORD-KEY.                  DNM=35-000  BL=10 219  0002  DS 0CL23
00815  000280             07  RECORD-KEY-ALPHA    PIC X(20).                  DNM=35-028  BL=10 219  0002  DS 20C
00816  000290             07  RECORD-KEY-BETA     PIC XXX.                    DNM=35-054  BL=10 22D  0022  DS 3C
00817  000300     03 DATA-BY-RECORD-TYPE          PIC X(126).                 DNM=35-082  BL=10 230  0025  DS 126C
00818  000310     03 ENVIR-STA-DATA REDEFINES DATA-BY-RECORD-TYPE.            DNM=35-111  BL=10 230  0025  DS 0CL126
00819  000320         05 PROGRAM-TYPE             PIC X(3).                   DNM=35-141  BL=10 230  0025  DS 3C
00820  000330         05 PROGRAM-TYPE-R REDEFINES PROGRAM-TYPE PIC 9(3).      DNM=35-166  BL=10 230  0025  DS 3C
00821  000340             88 GRID-PROG            VALUE 700 THRU 799.
00822  000350             88 PROGRAM-001-TO-999   VALUE 001 THRU 999.
00823  000360             88 PROGRAM-000-TO-699   VALUE 000 THRU 699.
00824  000370             88 PROGRAM-400-TO-499   VALUE 400 THRU 499.
00825  000380             88 PROGRAM-600-TO-699   VALUE 600 THRU 699.
00826  000390             88 PROGRAM-700-TO-799   VALUE 700 THRU 799.
00827  000400             88 PROGRAM-799-TO-899   VALUE 799 THRU 899.
00828  000410             88 PROGRAM-800-TO-999   VALUE 800 THRU 999.
00829  000420             88 PROGRAM-050          VALUE 050.                  00
00830  000430             88 PROGRAM-051          VALUE 051.                  00
00831  000440             88 PROGRAM-055          VALUE 055.                  00
00832  000450             88 PROGRAM-060          VALUE 060.                  00
00833  000460             88 PROGRAM-100          VALUE 100.                  00
00834  000470             88 PROGRAM-105          VALUE 105.                  00
00835  000480             88 PROGRAM-110          VALUE 110.                  00
00836  000490             88 PROGRAM-115          VALUE 115.                  00
```

```
                                                                                                                    INT NAME    BASE  DISP RL01  DEFINITION
01107  003200          07 INDIV-SEX                PIC X.                                                       DNM=49-361  BL=10 23C  0037  DS 1C
01108  003210          07 INDIV-MATURE             PIC X.                                                       DNM=49-383  BL=10 23D  0038  DS 1C
01109  003220          07 INDIV-PARM1              PIC X(4).                                                    DNM=49-408  BL=10 23E  0039  DS 4C
01110  003230          07 INDIV-PARM2              PIC X(4).                                                    DNM=49-432  BL=10 242  0043  DS 4C
01111  003240          07 INDIV-PARM3              PIC X(4).                                                    DNM=49-456  BL=10 246  0047  DS 4C
01112  003250          07 INDIV-EGG-CNT            PIC X(4).                                                    DNM=49-480  BL=10 24A  0051  DS 4C
01113  003260          07 INDIV-EGG-STAGE          PIC X.                                                       DNM=50-000  BL=10 24E  0055  DS 1C
01114  003270          07 INDIV-STATUS             PIC X.                                                       DNM=50-028  BL=10 24F  0056  DS 1C
01115  003280          07 INDIV-TAG-NBR            PIC X(6).                                                    DNM=50-053  BL=10 250  0057  DS 6C
01116  003290          07 INDIV-TAG-NBR-R REDEFINES INDIV-TAG-NBR PIC 9(6).                                     DNM=50-079  BL=10 250  0057  DS 6C
01117  003300          07 INDIV-TAG-NMBR-R REDEFINES INDIV-TAG-NBR.                                             DNM=50-107  BL=10 250  0057  DS 0CL6
01118  003310             09 INDIV-TAG-NMBR-ALPHAB  PIC X.                                                      DNM=50-136  BL=10 250  0057  DS 1C
01119  003320             09 INDIV-TAG-NMBR-ALPHAN  PIC X.                                                      DNM=50-170  BL=10 251  0058  DS 1C
01120  003330             09 INDIV-TAG-NMBR-DIGIT   PIC 9999.                                                   DNM=50-204  BL=10 252  0059  DS 4C
01121  003340          07 INDIV-AGE-STATUS         PIC X.                                                       DNM=50-234  BL=10 256  0063  DS 1C
01122  003350             88 AGE-STATUS-2          VALUE '2'.
01123  003360          07 INDIV-AGE-STRUCTURE PIC X.                                                            DNM=50-292  BL=10 257  0064  DS 1C
01124  003370          07 INDIV-AGE                PIC X(2).                                                    DNM=50-324  BL=10 258  0065  DS 2C
01125  003380          07 INDIV-AGE-R REDEFINES INDIV-AGE PIC 99.                                               DNM=50-346  BL=10 258  0065  DS 2C
01126  003390          07 INDIV-SPAWN-MARK-CNT PIC X(2).                                                        DNM=50-370  BL=10 25A  0067  DS 2C
01127  003400          07 INDIV-SPAWN-MARK-CNT-R REDEFINES                                                      DNM=50-403  BL=10 25A  0067  DS 2C
01128  003410                INDIV-SPAWN-MARK-CNT
01129  003420                PIC 99.
01130  003430       05 FILLER                       PIC X(74).                                                   DNM=50-438  BL=10 25C  0069  DS 74C
01131  003440       05 DATE-MODIFIED                PIC X(8).                                                    DNM=50-452  BL=10 2A6  0143  DS 8C
01132  003450    03 ANNULUS-DATA REDEFINES DATA-BY-RECORD-TYPE.                                                  DNM=50-478  BL=10 230  0025  DS 0CL126
01133  003460       05 ANL-AGE                      PIC X(2).                                                    DNM=51-000  BL=10 230  0025  DS 2C
01134  003470       05 ANL-AGE-R-REDEFINES ANL-AGE PIC 99.                                                      DNM=51-020  BL=10 230  0025  DS 2C
01135  003480       05 ANL-LTH-TO-EDGE              PIC X(3).                                                    DNM=51-042  BL=10 232  0027  DS 3C
01136  003490       05 ANL-LTH-TO-EDGE-R REDEFINES ANL-LTH-TO-EDGE PIC 9(3).                                     DNM=51-070  BL=10 232  0027  DS 3C
01137  003500       05 ANL-MARGIN-INCR              PIC X(3).                                                    DNM=51-100  BL=10 235  0030  DS 3C
01138  003510       05 ANL-MARGIN-INCR-R REDEFINES ANL-MARGIN-INCR PIC 9(3).                                     DNM=51-128  BL=10 235  0030  DS 3C
01139  003520       05 ANL-DISTANCES.                                                                            DNM=51-158  BL=10 238  0033  DS 0CL90
01140  003530          07 ANL-DISTANCE1             PIC X(3).                                                    DNM=51-187  BL=10 238  0033  DS 3C
01141  003540          07 ANL-DISTANCE2             PIC X(3).                                                    DNM=51-213  BL=10 23B  0036  DS 3C
01142  003550          07 ANL-DISTANCE3             PIC X(3).                                                    DNM=51-239  BL=10 23E  0039  DS 3C
01143  003560          07 ANL-DISTANCE4             PIC X(3).                                                    DNM=51-265  BL=10 241  0042  DS 3C
01144  003570          07 ANL-DISTANCE5             PIC X(3).                                                    DNM=51-291  BL=10 244  0045  DS 3C
01145  003580          07 ANL-DISTANCE6             PIC X(3).                                                    DNM=51-317  BL=10 247  0048  DS 3C
01146  003590          07 ANL-DISTANCE7             PIC X(3).                                                    DNM=51-343  BL=10 24A  0051  DS 3C
01147  003600          07 ANL-DISTANCE8             PIC X(3).                                                    DNM=51-369  BL=10 24D  0054  DS 3C
01148  003610          07 ANL-DISTANCE9             PIC X(3).                                                    DNM=51-395  BL=10 250  0057  DS 3C
01149  003620          07 ANL-DISTANCE10            PIC X(3).                                                    DNM=51-421  BL=10 253  0060  DS 3C
01150  003630          07 ANL-DISTANCE11            PIC X(3).                                                    DNM=51-448  BL=10 256  0063  DS 3C
01151  003640          07 ANL-DISTANCE12            PIC X(3).                                                    DNM=51-475  BL=10 259  0066  DS 3C
01152  003650          07 ANL-DISTANCE13            PIC X(3).                                                    DNM=52-000  BL=10 25C  0069  DS 3C
01153  003660          07 ANL-DISTANCE14            PIC X(3).                                                    DNM=52-027  BL=10 25F  0072  DS 3C
01154  003670          07 ANL-DISTANCE15            PIC X(3).                                                    DNM=52-054  BL=10 262  0075  DS 3C
01155  003680          07 ANL-DISTANCE16            PIC X(3).                                                    DNM=52-081  BL=10 265  0078  DS 3C
01156  003690          07 ANL-DISTANCE17            PIC X(3).                                                    DNM=52-108  BL=10 268  0081  DS 3C
01157  003700          07 ANL-DISTANCE18            PIC X(3).                                                    DNM=52-135  BL=10 26B  0084  DS 3C
01158  003710          07 ANL-DISTANCE19            PIC X(3).                                                    DNM=52-162  BL=10 26E  0087  DS 3C
01159  003720          07 ANL-DISTANCE20            PIC X(3).                                                    DNM=52-189  BL=10 271  0090  DS 3C
01160  003730          07 ANL-DISTANCE21            PIC X(3).                                                    DNM=52-216  BL=10 274  0093  DS 3C
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION
01161  003740          07 ANL-DISTANCE22      PIC X(3).                          DNM=52-243  BL=10 277  0096  DS 3C
01162  003750          07 ANL-DISTANCE23      PIC X(3).                          DNM=52-270  BL=10 27A  0099  DS 3C
01163  003760          07 ANL-DISTANCE24      PIC X(3).                          DNM=52-297  BL=10 27D  0102  DS 3C
01164  003770          07 ANL-DISTANCE25      PIC X(3).                          DNM=52-324  BL=10 280  0105  DS 3C
01165  003780          07 ANL-DISTANCE26      PIC X(3).                          DNM=52-351  BL=10 283  0108  DS 3C
01166  003790          07 ANL-DISTANCE27      PIC X(3).                          DNM=52-378  BL=10 286  0111  DS 3C
01167  003800          07 ANL-DISTANCE28      PIC X(3).                          DNM=52-405  BL=10 289  0114  DS 3C
01168  003810          07 ANL-DISTANCE29      PIC X(3).                          DNM=52-432  BL=10 28C  0117  DS 3C
01169  003820          07 ANL-DISTANCE30      PIC X(3).                          DNM=52-459  BL=10 28F  0120  DS 3C
01170  003830      05 ANL-DIST-R REDEFINES ANL-DISTANCES.                        DNM=53-000  BL=10 238  0033  DS 0CL90
01171  003840          07 ANL-DIST OCCURS 30 TIMES PIC 9(3).                     DNM=53-026  BL=10 238  0033  DS 3C
01172  003850      05 NUM-OF-SPAWN-MARKS      PIC XX.                            DNM=53-047  BL=10 292  0123  DS 2C
01173  003860      05 NUM-OF-SPAWN-MARKS-R REDEFINES                             DNM=53-078  BL=10 292  0123  DS 2C
01174  003870                 NUM-OF-SPAWN-MARKS     PIC 99.
01175  003880      05 FILLER                  PIC X(18).                         DNM=53-111  BL=10 294  0125  DS 18C
01176  003890      05 DATE-MODIFIED           PIC X(8).                          DNM=53-125  BL=10 2A6  0143  DS 8C
01177  003900   03 TAG-RECAPTURE-DATA REDEFINES DATA-BY-RECORD-TYPE.             DNM=53-151  BL=10 230  0025  DS 0CL126
01178  003910      05  TAG-NUMBER             PIC X(6).                          DNM=53-185  BL=10 230  0025  DS 6C
01179  003920      05  TAG-NUMBER-R REDEFINES TAG-NUMBER.                        DNM=53-208  BL=10 230  0025  DS 0CL6
01180  003930          07  TAG-NUMBER-ALPHAB  PIC X.                             DNM=53-236  BL=10 230  0025  DS 1C
01181  003940          07  TAG-NUMBER-ALPHAN  PIC X.                             DNM=53-263  BL=10 231  0026  DS 1C
01182  003950          07  TAG-NUMBER-DIGIT   PIC 9999.                          DNM=53-290  BL=10 232  0027  DS 4C
01183  003960      05  TAG-TYPE               PIC X.                             DNM=53-319  BL=10 236  0031  DS 1C
01184  003970      05  RECAPTURE-DATE .                                          DNM=53-340  BL=10 237  0032  DS 0CL6
01185  003980          07  RECAPT-YY          PIC XX.                            DNM=53-370  BL=10 237  0032  DS 2C
01186  003990          07  RECAPT-MM          PIC XX.                            DNM=53-392  BL=10 239  0034  DS 2C
01187  004000          07  RECAPT-DD          PIC XX.                            DNM=53-414  BL=10 23B  0036  DS 2C
01188  004010      05  RECAPTURE-DATE-R-REDEFINES RECAPTURE-DATE.                DNM=53-436  BL=10 237  0032  DS 0CL6
01189  004020          07  RECAPT-YY-R        PIC 99.                            DNM=53-468  BL=10 237  0032  DS 2C
01190  004030          07  RECAPT-MM-R        PIC 99.                            DNM=54-000  BL=10 239  0034  DS 2C
01191  004040          07  RECAPT-DD-R        PIC 99.                            DNM=54-024  BL=10 23B  0036  DS 2C
01192  004050      05  RECAPTURE-LOC          PIC X(10).                         DNM=54-048  BL=10 23D  0038  DS 10C
01193  004060      05  RECAPTURE-GEAR         PIC X(3).                          DNM=54-074  BL=10 247  0048  DS 3C
01194  004070      05  DAYS-OUT               PIC X(4).                          DNM=54-101  BL=10 24A  0051  DS 4C
01195  004080      05  DAYS-OUT-R REDEFINES DAYS-OUT     PIC 9999.               DNM=54-122  BL=10 24A  0051  DS 4C
01196  004090      05  DIST-TRAVELED          PIC X(4).                          DNM=54-145  BL=10 24E  0055  DS 4C
01197  004100      05  RECAPTURE-LENGTH       PIC X(4).                          DNM=54-171  BL=10 252  0059  DS 4C
01198  004110      05  RECAPTURE-WEIGHT       PIC X(5).                          DNM=54-200  BL=10 256  0063  DS 5C
01199  004120      05  MATURITY               PIC X(1).                          DNM=54-229  BL=10 25B  0068  DS 1C
01200  004130      05  FILLER                 PIC X(74).                         DNM=54-250  BL=10 25C  0069  DS 74C
01201  004140      05  DATE-MODIFIED          PIC X(8).                          DNM=54-264  BL=10 2A6  0143  DS 8C
01202  004150*****************************************************************
01203  004160*****************************************************************
```

```
01205   006020 01  DATE-CNVRT-SUBR  PIC X(16) VALUE 'CNVRT SUBR HERE '.      05910000  DNM=54-290  BL=10 280  C001  DS 16C
01206   006030* * * * * * * * * * * * * * * * * * *                          05920000
01207   006040* DATE CONVERSION SUBROUTINR FIELDS *                          05930000
01208   006050* * * * * * * * * * * * * * * * * * *                          05940000
01209   006060*                                                              05950000
```

```
01211   000020*****************************************************************
01212   000030* INITIALIZE ALL UNUSED FIELDS TO ZEROES EACH TIME.             *
01213   000040*  PROCESSING PRIORITY IS   SDN, JULIAN-5, JULIAN-7, MDY-6,     *
01214   000050*                    MDY-8, YMD-6, YMD-8.                       *
01215   000060*  THE FIRST NON-ZERO DATE IS CONVERTED TO SDN. ALL OTHER DATES *
01216   000070*  ARE THEN DEVELOPED FROM THE SDN.                             *
01217   000080*****************************************************************

01219   000100 01  DATECALC-LINKAGE.                                          DNM=54-318  BL=10 2C0  0001  DS 0CL178

01221   000120     02 DATECALC-SET-A.                                         DNM=54-350  BL=10 2C0  0001  DS 0CL87
01222   000130       03 CNVT-SDN                PIC 9(7).                     DNM=54-380  BL=10 2C0  0001  DS 7C
01223   000140          88 CNVT-SDN-IS-ZERO        VALUE 0.
01224   000150       03 CNVT-JULIAN5            PIC 9(5).                     DNM=54-433  BL=10 2C7  0008  DS 5C
01225   000160          88 CNVT-JULIAN5-IS-ZERO    VALUE 0.
01226   000170       03 FILLER REDEFINES CNVT-JULIAN5.                        DNM=55-000  BL=10 2C7  0008  DS 0CL5
01227   000180         04 CNVT-JULIAN5-YEAR     PIC 9(2).                     DNM=55-017  BL=10 2C7  0008  DS 2C
01228   000190         04 CNVT-JULIAN5-DAY      PIC 9(3).                     DNM=55-047  BL=10 2C9  0010  DS 3C

01230   000210       03 CNVT-JULIAN7            PIC 9(7).                     DNM=55-076  BL=10 2CC  0013  DS 7C
01231   000220          88 CNVT-JULIAN7-IS-ZERO    VALUE 0.
01232   000230       03 FILLER REDEFINES CNVT-JULIAN7.                        DNM=55-140  BL=10 2CC  0013  DS 0CL7
01233   000240         04 CNVT-JULIAN7-YEAR     PIC 9(4).                     DNM=55-157  BL=10 2CC  0013  DS 4C
01234   000250         04 CNVT-JULIAN7-DAY      PIC 9(3).                     DNM=55-187  BL=10 2D0  0017  DS 3C

01236   000270       03 CNVT-MDY6               PIC 9(6).                     DNM=55-213  BL=10 2D3  0020  DS 6C
01237   000280          88 CNVT-MDY6-IS-ZERO       VALUE 0.
01238   000290       03 FILLER REDEFINES CNVT-MDY6.                           DNM=55-271  BL=10 2D3  0020  DS 0CL6
01239   000300         04 CNVT-MDY6-MONTH       PIC 9(2).                     DNM=55-288  BL=10 2D3  0020  DS 2C
01240   000310         04 CNVT-MDY6-DAY         PIC 9(2).                     DNM=55-316  BL=10 2D5  0022  DS 2C
01241   000320         04 CNVT-MDY6-YEAR        PIC 9(2).                     DNM=55-339  BL=10 2D7  0024  DS 2C

01243   000340       03 CNVT-MDY8               PIC X(8).                     DNM=55-366  BL=10 2D9  0026  DS 8C
01244   000350          88 CNVT-MDY8-IS-ZERO       VALUE ZEROES.
01245   000360       03 FILLER REDEFINES CNVT-MDY8.                           DNM=55-418  BL=10 2D9  0026  DS 0CL8
01246   000370         04 CNVT-MDY8-MONTH       PIC 9(2).                     DNM=55-435  BL=10 2D9  0026  DS 2C
01247   000380         04 FILLER                PIC X(1).                     DNM=55-463  BL=10 2DB  0028  DS 1C
01248   000390         04 CNVT-MDY8-DAY         PIC 9(2).                     DNM=55-477  BL=10 2DC  0029  DS 2C
01249   000400         04 FILLER                PIC X(1).                     DNM=56-000  BL=10 2DE  0031  DS 1C
01250   000410         04 CNVT-MDY8-YEAR        PIC 9(2).                     DNM=56-014  BL=10 2DF  0032  DS 2C

01252   000430       03 CNVT-YMD6               PIC 9(6).                     DNM=56-038  BL=10 2E1  0034  DS 6C
01253   000440          88 CNVT-YMD6-IS-ZERO       VALUE 0.
01254   000450       03 FILLER REDEFINES CNVT-YMD6.                           DNM=56-093  BL=10 2E1  0034  DS 0CL6
01255   000460         04 CNVT-YMD6-YEAR        PIC 9(2).                     DNM=56-110  BL=10 2E1  0034  DS 2C
01256   000470         04 CNVT-YMD6-MONTH       PIC 9(2).                     DNM=56-137  BL=10 2E3  0036  DS 2C
01257   000480         04 CNVT-YMD6-DAY         PIC 9(2).                     DNM=56-165  BL=10 2E5  0038  DS 2C

01259   000500       03 CNVT-YMD8               PIC X(8).                     DNM=56-191  BL=10 2E7  0040  DS 8C
01260   000510          88 CNVT-YMD8-IS-ZERO       VALUE ZEROES.
01261   000520       03 FILLER REDEFINES CNVT-YMD8.                           DNM=56-243  BL=10 2E7  0040  DS 0CL8
01262   000530         04 CNVT-YMD8-YEAR        PIC 9(2).                     DNM=56-260  BL=10 2E7  0040  DS 2C
01263   000540         04 FILLER                PIC X(1).                     DNM=56-287  BL=10 2E9  0042  DS 1C
01264   000550         04 CNVT-YMD8-MONTH       PIC 9(2).                     DNM=56-301  BL=10 2EA  0043  DS 2C
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION

01265  000560          04 FILLER                PIC X(1).                         DNM=56-326  BL=10 2EC  0045  DS 1C
01266  000570          04 CNVT-YMD8-DAY         PIC 9(2).                         DNM=56-340  BL=10 2ED  0046  DS 2C

01268  000590        03 CNVT-ALPHA-ABBRV.                                         DNM=56-366  BL=10 2EF  0048  DS 0CL13
01269  000600          04 CNVT-ABBRV-MONTH      PIC X(3).                         DNM=56-398  BL=10 2EF  0048  DS 3C
01270  000610          04 CNVT-ABBRV-PERIOD     PIC X(2).                         DNM=56-427  BL=10 2F2  0051  DS 2C
01271  000620          04 CNVT-ABBRV-DAY-YEAR.                                    DNM=56-457  BL=10 2F4  0053  DS 0CL8
01272  000630            05 CNVT-ABBRV-DAY      PIC 9(2).                         DNM=57-000  BL=10 2F4  0053  DS 2C
01273  000640            05 CNVT-ABBRV-COMMA    PIC X(2).                         DNM=57-027  BL=10 2F6  0055  DS 2C
01274  000650            05 CNVT-ABBRV-YEAR     PIC 9(4).                         DNM=57-056  BL=10 2F8  0057  DS 4C
01275  000660          04 FILLER REDEFINES CNVT-ABBRV-DAY-YEAR.                   DNM=57-084  BL=10 2F4  0053  DS 0CL8
01276  000670            05 CNVT-ABBRV-DAYR OCCURS 8 TIMES PIC X(1).              DNM=57-101  BL=10 2F4  0053  DS 1C

01278  000690        03 CNVT-ALPHA-DATE         PIC X(18).                        DNM=57-129  BL=10 2FC  0061  DS 18C
01279  000700        03 FILLER REDEFINES CNVT-ALPHA-DATE.                         DNM=57-157  BL=10 2FC  0061  DS 0CL18
01280  000710          04 CNVT-DAYR OCCURS 18 TIMES PIC X(1).                     DNM=57-174  BL=10 2FC  0061  DS 1C

01282  000730        03 CNVT-DAY-OF-THE-WEEK    PIC X(9).                         DNM=57-196  BL=10 30E  0079  DS 9C

01284  000750*****************************************************************

01286  000770      02 DATECALC-SET-B.                                             DNM=57-229  BL=10 317  0088  DS 0CL87
01287  000780        03 CVT-SDN                 PIC 9(7).                         DNM=57-259  BL=10 317  0088  DS 7C
01288  000790           88 CVT-SDN-IS-ZERO          VALUE 0.

01290  000810        03 CVT-JULIAN5             PIC 9(5).                         DNM=57-310  BL=10 31E  0095  DS 5C
01291  000820           88 CVT-JULIAN5-IS-ZERO      VALUE 0.
01292  000830        03 FILLER REDEFINES CVT-JULIAN5.                             DNM=57-372  BL=10 31E  0095  DS 0CL5
01293  000840          04 CVT-JULIAN5-YEAR      PIC 9(2).                         DNM=57-389  BL=10 31E  0095  DS 2C
01294  000850          04 CVT-JULIAN5-DAY       PIC 9(3).                         DNM=57-415  BL=10 320  0097  DS 3C

01296  000870        03 CVT-JULIAN7             PIC 9(7).                         DNM=57-443  BL=10 323  0100  DS 7C
01297  000880           88 CVT-JULIAN7-IS-ZERO      VALUE 0.
01298  000890        03 FILLER REDEFINES CVT-JULIAN7.                             DNM=58-000  BL=10 323  0100  DS 0CL7
01299  000900          04 CVT-JULIAN7-YEAR      PIC 9(4).                         DNM=58-017  BL=10 323  0100  DS 4C
01300  000910          04 CVT-JULIAN7-DAY       PIC 9(3).                         DNM=58-046  BL=10 327  0104  DS 3C

01302  000930        03 CVT-MDY6                PIC 9(6).                         DNM=58-074  BL=10 32A  0107  DS 6C
01303  000940           88 CVT-MDY6-IS-ZERO         VALUE 0.
01304  000950        03 FILLER REDEFINES CVT-MDY6.                                DNM=58-130  BL=10 32A  0107  DS 0CL6
01305  000960          04 CVT-MDY6-MONTH        PIC 9(2).                         DNM=58-147  BL=10 32A  0107  DS 2C
01306  000970          04 CVT-MDY6-DAY          PIC 9(2).                         DNM=58-174  BL=10 32C  0109  DS 2C
01307  000980          04 CVT-MDY6-YEAR         PIC 9(2).                         DNM=58-199  BL=10 32E  0111  DS 2C

01309  001000        03 CVT-MDY8                PIC X(8).                         DNM=58-222  BL=10 330  0113  DS 8C
01310  001010           88 CVT-MDY8-IS-ZERO         VALUE ZEROES.
01311  001020        03 FILLER REDEFINES CVT-MDY8.                                DNM=58-275  BL=10 330  0113  DS 0CL8
01312  001030          04 CVT-MDY8-MONTH        PIC 9(2).                         DNM=58-292  BL=10 330  0113  DS 2C
01313  001040          04 FILLER                PIC X(1).                         DNM=58-319  BL=10 332  0115  DS 1C
01314  001050          04 CVT-MDY8-DAY          PIC 9(2).                         DNM=58-333  BL=10 333  0116  DS 2C
01315  001060          04 FILLER                PIC X(1).                         DNM=58-355  BL=10 335  0118  DS 1C
01316  001070          04 CVT-MDY8-YEAR         PIC 9(2).                         DNM=58-369  BL=10 336  0119  DS 2C

01318  001090        03 CVT-YMD6                PIC 9(6).                         DNM=58-395  BL=10 338  0121  DS 6C
```

```
00837  000500  88 PROGRAM-120          VALUE 120.                  00
00838  000510  88 PROGRAM-125          VALUE 125.                  00
00839  000520  88 PROGRAM-126          VALUE 126.                  00
00840  000530  88 PROGRAM-130          VALUE 130.                  00
00841  000540  88 PROGRAM-150          VALUE 150.                  00
00842  000550  88 PROGRAM-160          VALUE 160.                  00
00843  000560  88 PROGRAM-170-OR-180    VALUE 170 180.              00
00844  000570  88 PROGRAM-175          VALUE 175.                  00
00845  000580  88 PROGRAM-300          VALUE 300.                  00
00846  000590  88 PROGRAM-320          VALUE 320.                  00
00847  000600  88 PROGRAM-330          VALUE 330.                  00
00848  000610  88 PROGRAM-340          VALUE 340.                  00
00849  000620  88 PROGRAM-350          VALUE 350.                  00
00850  000630  88 PROGRAM-400          VALUE 400.                  00
00851  000640  88 PROGRAM-410          VALUE 410.                  00
00852  000650  88 PROGRAM-420          VALUE 420.                  00
00853  000660  88 PROGRAM-421-OR-422    VALUE 421 422.              00
00854  000670  88 PROGRAM-430-OR-440    VALUE 430 440.              00
00855  000680  88 PROGRAM-431-OR-441    VALUE 431 441.              00
00856  000690  88 PROGRAM-432-OR-442    VALUE 432 442.              00
00857  000700  88 PROGRAM-433-OR-443    VALUE 433 443.              00
00858  000710  88 PROGRAM-434-OR-444    VALUE 434 444.              00
00859  000720  88 PROGRAM-435-OR-445    VALUE 435 445.              00
00860  000730  88 PROGRAM-436-OR-446    VALUE 436 446.              00
00861  000740  88 PROGRAM-437-OR-447    VALUE 437 447.              00
00862  000750  88 PROGRAM-438          VALUE 438.                  00
00863  000760  88 PROGRAM-450          VALUE 450.                  00
00864  000770  88 PROGRAM-460          VALUE 460.                  00
00865  000780  88 PROGRAM-470          VALUE 470.                  00
00866  000790  88 PROGRAM-500          VALUE 500.                  00
00867  000800  88 PROGRAM-510          VALUE 510.                  00
00868  000810  88 PROGRAM-530          VALUE 530.                  00
00869  000820  88 PROGRAM-540          VALUE 540.                  00
00870  000830  88 PROGRAM-550          VALUE 550.                  00
00871  000840  88 PROGRAM-610          VALUE 610.                  00
00872  000850  88 PROGRAM-615          VALUE 615.                  00
00873  000860  88 PROGRAM-618          VALUE 618.                  00
00874  000870  88 PROGRAM-620          VALUE 620.                  00
00875  000880  88 PROGRAM-630          VALUE 630.                  00
00876  000890  88 PROGRAM-650          VALUE 650.                  00
00877  000900  88 PROGRAM-660          VALUE 660.                  00
00878  000910  88 PROGRAM-670          VALUE 670.                  00
00879  000920  88 PROGRAM-680          VALUE 680.                  00
00880  000930  88 PROGRAM-690          VALUE 690.                  00
00881  000940  88 PROGRAM-700          VALUE 700.                  00
00882  000950  88 PROGRAM-705          VALUE 705.                  00
00883  000960  88 PROGRAM-710          VALUE 710.                  00
00884  000970  88 PROGRAM-715          VALUE 715.                  00
00885  000980  88 PROGRAM-720          VALUE 720.                  00
00886  000990  88 PROGRAM-725          VALUE 725.                  00
00887  001000  88 PROGRAM-730          VALUE 730.                  00
00888  001010  88 PROGRAM-735          VALUE 735.                  00
00889  001020  88 PROGRAM-740          VALUE 740.                  00
00890  001030  88 PROGRAM-745          VALUE 745.                  00
```

```
00891  001040          88 PROGRAM-750          VALUE 750.                  00
00892  001050          88 PROGRAM-755          VALUE 755.                  00
00893  001060          88 PROGRAM-760          VALUE 760.                  00
00894  001070          88 PROGRAM-765          VALUE 765.                  00
00895  001080          88 PROGRAM-770          VALUE 770.                  00
00896  001090          88 PROGRAM-775          VALUE 775.                  00
00897  001100          88 PROGRAM-930          VALUE 930.                  00
00898  001110      05 ENVIR-DATE.                                                DNM=39-349  BL=10 233  0028  DS 0CL6
00899  001120          07 ENVIR-YY             PIC XX.                           DNM=39-375  BL=10 233  0028  DS 2C
00900  001130          07 ENVIR-MM             PIC XX.                           DNM=39-396  BL=10 235  0030  DS 2C
00901  001140          07 ENVIR-DD             PIC XX.                           DNM=39-417  BL=10 237  0032  DS 2C
00902  001150      05 ENVIR-DATE-R REDEFINES ENVIR-DATE.                         DNM=39-438  BL=10 233  0028  DS 0CL6
00903  001160          07 ENVIR-YY-R           PIC 99.                           DNM=39-466  BL=10 233  0028  DS 2C
00904  001170          07 ENVIR-MM-R           PIC 99.                           DNM=39-486  BL=10 235  0030  DS 2C
00905  001180          07 ENVIR-DD-R           PIC 99.                           DNM=40-000  BL=10 237  0032  DS 2C
00906  001190      05 ENVIR-STAT-NUMBER        PIC X(5).                         DNM=40-023  BL=10 239  0034  DS 5C
00907  001200      05 ENVIR-START-LOC.                                           DNM=40-053  BL=10 23E  0039  DS 0CL10
00908  001210          88 START-LOC-26-TO-40
00909  001220              VALUE '2600000000' THRU '4000000000'.
00910  001230          88 START-LOC-0-TO-23
00911  001240              VALUE '0000000000' THRU '2300000000'.
00912  001250          07 ENVIR-LATITUTE       PIC X(5).                         DNM=40-145  BL=10 23E  0039  DS 5C
00913  001260          07 ENVIR-LONGITUDE      PIC X(5).                         DNM=40-172  BL=10 243  0044  DS 5C
00914  001270      05 ENVIR-START-LOC-R REDEFINES ENVIR-START-LOC                DNM=40-200  BL=10 23E  0039  DS 10C
00915  001280                                  PIC 9(10).
00916  001290      05 ENVIR-GRID.                                                DNM=40-230  BL=10 248  0049  DS 0CL4
00917  001300          07 ENVIR-NUMER-GRID     PIC XX.                           DNM=40-256  BL=10 248  0049  DS 2C
00918  001310              88 VALID-NUMER-GRID VALUE '00' THRU '99'.
00919  001320          07 ENVIR-ALPHA-GRID     PIC XX.                           DNM=40-317  BL=10 24A  0051  DS 2C
00920  001330              88 VALID-ALPHA-GRID VALUE 'AA' THRU 'ZZ'.
00921  001340      05 ENVIR-QUAD               PIC X.                            DNM=40-378  BL=10 24C  0053  DS 1C
00922  001350      05 ENVIR-END-TIME           PIC X(4).                         DNM=40-401  BL=10 24D  0054  DS 4C
00923  001360      05 ENVIR-DURATION-OR-AREA   PIC X(4).                         DNM=40-428  BL=10 251  0058  DS 4C
00924  001370      05 ENVIR-GEAR-TYPE          PIC X(3).                         DNM=40-463  BL=10 255  0062  DS 3C
00925  001380      05 ENVIR-GEAR-TYPE-R REDEFINES ENVIR-GEAR-TYPE PIC 9(3).      DNM=41-000  BL=10 255  0062  DS 3C
00926  001390          88 VALID-GEAR-OF-ZERO       VALUE 000.                  00
00927  001400          88 VALID-GEAR-OF-999        VALUE 999.                  00
00928  001410          88 VALID-GEAR-FOR-PGM050    VALUE 911 200.              00
00929  001420          88 VALID-GEAR-FOR-PGM051    VALUE 200 531 940 420       00
00930  001430                                          911.
00931  001440          88 VALID-GEAR-FOR-PGM055    VALUE 556 550 200 213       00
00932  001450                                          300 500.
00933  001460          88 VALID-GEAR-FOR-PGM060    VALUE 911 200 300 213.      00
00934  001470          88 VALID-GEAR-FOR-PGM100    VALUE 311 556 531 530       00
00935  001480                                          538 212 130 535 911.
00936  001490          88 VALID-GEAR-FOR-PGM105    VALUE 645.                  00
00937  001500          88 VALID-GEAR-FOR-PGM110    VALUE 531 559.              00
00938  001510          88 VALID-GEAR-FOR-PGM115    VALUE 245 531 130 605.      00
00939  001520          88 VALID-GEAR-FOR-PGM120    VALUE 556 559 538 330       00
00940  001530                                          311 245 240 210 211
00941  001540                                          557 558.
00942  001550          88 VALID-GEAR-FOR-PGM125    VALUE 556.                  00
00943  001560          88 VALID-GEAR-FOR-PGM126    VALUE 556.                  00
00944  001570          88 VALID-GEAR-FOR-PGM130    VALUE 556 212.              00
```

```
00945  001580  88 VALID-GEAR-FOR-PGM150     VALUE 245 230 220          00
00946  001590                                     250 960 212
00947  001600                                 130 380 420 531
00948  001610                                 247.
00949  001620  88 VALID-GEAR-FOR-PGM160     VALUE 600 605 645.         00
00950  001630  88 VALID-GEAR-FOR-PGM170-180 VALUE 351 352 130 353      00
00951  001640                                 240 532 200 550 570
00952  001650                                 574 245 220 250 552
00953  001660                                 926 950 925 911 920
00954  001670                                 835.
00955  001680  88 VALID-GEAR-FOR-PGM175     VALUE 115.                 00
00956  001690  88 VALID-GEAR-FOR-PGM300     VALUE 245 531 220          00
00957  001700                                 230 940 250 320
00958  001710                                 130 420.
00959  001720  88 VALID-GEAR-FOR-PGM320     VALUE 550.                 00
00960  001730  88 VALID-GEAR-FOR-PGM330     VALUE 220 531 245 250      00
00961  001740                                 550 130 420 556.
00962  001750  88 VALID-GEAR-FOR-PGM340     VALUE 531.                 00
00963  001760  88 VALID-GEAR-FOR-PGM350     VALUE 130 311 352 353      00
00964  001770                                 530 556 570.
00965  001780  88 VALID-GEAR-FOR-PGM400     VALUE 200 220 400 222      00
00966  001790                                 230 250 232 240 420
00967  001800                                 242 245 320 247 340
00968  001810                                 130 421 422 500 352.
00969  001820  88 VALID-GEAR-FOR-PGM410     VALUE 420 422 421 500      00
00970  001830                                 200 230 380 245
00971  001840                                 130 352 250
00972  001850                                 247 220 340 320.
00973  001860  88 VALID-GEAR-FOR-PGM420     VALUE 130 200 352 500      00
00974  001870                                 220 222 232 420.
00975  001880  88 VALID-GEAR-FOR-PGM421-422 VALUE 200.                 00
00976  001890  88 VALID-GEAR-FOR-PGM430-440 VALUE 130 200 117 415.     00
00977  001900  88 VALID-GEAR-FOR-PGM431-441 VALUE 130.                 00
00978  001910  88 VALID-GEAR-FOR-PGM432-442 VALUE 130.                 00
00979  001920  88 VALID-GEAR-FOR-PGM433-443 VALUE 500 510 530 532      00
00980  001930                                 534 538 550 552 553
00981  001940                                 554 572 570.
00982  001950  88 VALID-GEAR-FOR-PGM434-444 VALUE 200 220 222 240      00
00983  001960                                 242 250.
00984  001970  88 VALID-GEAR-FOR-PGM435-445 VALUE 320 340.             00
00985  001980  88 VALID-GEAR-FOR-PGM436-446 VALUE 574.                 00
00986  001990  88 VALID-GEAR-FOR-PGM437-447 VALUE 353 320 352.         00
00987  002000  88 VALID-GEAR-FOR-PGM438     VALUE 420 424 410 412      00
00988  002010                                 118.                    00
00989  002020  88 VALID-GEAR-FOR-PGM450     VALUE 500 570.             00
00990  002030  88 VALID-GEAR-FOR-PGM460     VALUE 150 530 550 554      00
00991  002040                                 570.
00992  002050  88 VALID-GEAR-FOR-PGM470     VALUE 110 111 574 575      00
00993  002060                                 740.
00994  002070  88 VALID-GEAR-FOR-PGM500     VALUE 556 559 550 500      00
00995  002080                                 560 150 310 311 536
00996  002090                                 538 558.
00997  002100  88 VALID-GEAR-FOR-PGM510     VALUE 556 559 550 500      00
00998  002110                                 558 560 150 310 311
```

```
00999  002120                                  536 538.
01000  002130          88 VALID-GEAR-FOR-PGM530     VALUE 111.                  00
01001  002140          88 VALID-GEAR-FOR-PGM540     VALUE 531 556 558.          00
01002  002150          88 VALID-GEAR-FOR-PGM550     VALUE 531 556 558 111.      00
01003  002160          88 VALID-GEAR-FOR-PGM610     VALUE 754 830.              00
01004  002170          88 VALID-GEAR-FOR-PGM615     VALUE 805.                  00
01005  002180          88 VALID-GEAR-FOR-PGM618     VALUE 754.                  00
01006  002190          88 VALID-GEAR-FOR-PGM620     VALUE 746.                  00
01007  002200          88 VALID-GEAR-FOR-PGM630     VALUE 766.                  00
01008  002210          88 VALID-GEAR-FOR-PGM650     VALUE 758.                  00
01009  002220          88 VALID-GEAR-FOR-PGM660     VALUE 830 754 766 811.      00
01010  002230          88 VALID-GEAR-FOR-PGM670     VALUE 754.                  00
01011  002240          88 VALID-GEAR-FOR-PGM680     VALUE 754 766.              00
01012  002250          88 VALID-GEAR-FOR-PGM690     VALUE 713 810.              00
01013  002260          88 VALID-GEAR-FOR-PGM700     VALUE 560 231 552           00
01014  002270                                  531 534 515.
01015  002280          88 VALID-GEAR-FOR-PGM705     VALUE 552 531.              00
01016  002290          88 VALID-GEAR-FOR-PGM710     VALUE 560 715 713 554.      00
01017  002300          88 VALID-GEAR-FOR-PGM715     VALUE 560.                  00
01018  002310          88 VALID-GEAR-FOR-PGM720     VALUE 552 560 554 720       00
01019  002320                                  531 424 118 119
01020  002330                                  120 411 412 413 420
01021  002340                                  421 422 440 423 926
01022  002350                                  911 950.
01023  002360          88 VALID-GEAR-FOR-PGM725     VALUE 552 531.              00
01024  002370          88 VALID-GEAR-FOR-PGM730     VALUE 552 531 119.          00
01025  002380          88 VALID-GEAR-FOR-PGM735     VALUE 531 552.              00
01026  002390          88 VALID-GEAR-FOR-PGM740     VALUE 911 925 926.          00
01027  002400          88 VALID-GEAR-FOR-PGM745     VALUE 515.                  00
01028  002410          88 VALID-GEAR-FOR-PGM750     VALUE 720.                  00
01029  002420          88 VALID-GEAR-FOR-PGM755     VALUE 552.                  00
01030  002430          88 VALID-GEAR-FOR-PGM760     VALUE 531 552 560 715       00
01031  002440                                  720.
01032  002450          88 VALID-GEAR-FOR-PGM765     VALUE 531 552 560.          00
01033  002460          88 VALID-GEAR-FOR-PGM770     VALUE 500.                  00
01034  002470          88 VALID-GEAR-FOR-PGM775     VALUE 552.                  00
01035  002480       05 ENVIR-GEAR-PARM1        PIC X(4).                  DNM=46-000  BL=10 258  0065  DS 4C
01036  002490       05 ENVIR-GEAR-PARM2        PIC X(4).                  DNM=46-029  BL=10 25C  0069  DS 4C
01037  002500       05 ENVIR-GEAR-PARM3        PIC X(4).                  DNM=46-058  BL=10 260  0073  DS 4C
01038  002510       05 ENVIR-RIG               PIC X.                     DNM=46-087  BL=10 264  0077  DS 1C
01039  002520       05 ENVIR-TYPE-OF-TOW       PIC X.                     DNM=46-109  BL=10 265  0078  DS 1C
01040  002530       05 ENVIR-BOTTOM-TYPE       PIC X(2).                  DNM=46-139  BL=10 266  0079  DS 2C
01041  002540       05 ENVIR-BOTTOM-PROFILE    PIC X.                     DNM=46-169  BL=10 268  0081  DS 1C
01042  002550       05 ENVIR-DEPTH             PIC X(3).                  DNM=46-202  BL=10 269  0082  DS 3C
01043  002560       05 ENVIR-AIR-TEMP          PIC X(3).                  DNM=46-226  BL=10 26C  0085  DS 3C
01044  002570       05 ENVIR-SURFACE-TEMP      PIC X(3).                  DNM=46-253  BL=10 26F  0088  DS 3C
01045  002580       05 ENVIR-BOTTOM-TEMP       PIC X(3).                  DNM=46-284  BL=10 272  0091  DS 3C
01046  002590       05 ENVIR-SURFACE-SALIN     PIC X(3).                  DNM=46-314  BL=10 275  0094  DS 3C
01047  002600       05 ENVIR-BOTTOM-SALIN      PIC X(3).                  DNM=46-346  BL=10 278  0097  DS 3C
01048  002610       05 ENVIR-CONDUCT           PIC X(4).                  DNM=46-377  BL=10 278  0100  DS 4C
01049  002620       05 ENVIR-SUFACE-DO         PIC X(3).                  DNM=46-403  BL=10 27F  0104  DS 3C
01050  002630       05 ENVIR-BOTTOM-DO         PIC X(3).                  DNM=46-431  BL=10 282  0107  DS 3C
01051  002640       05 ENVIR-PH                PIC X(2).                  DNM=46-459  BL=10 285  0110  DS 2C
01052  002650       05 ENVIR-WEATHER           PIC X.                     DNM=46-480  BL=10 287  0112  DS 1C
```

```
                                                                                                                    INT NAME    BASE  DISP RL01  DEFINITION
01053  002660          05 ENVIR-BAROMETER              PIC X(4).                                                    DNM=47-000  BL=10 288  0113  DS 4C
01054  002670          05 ENVIR-WIND-DIRECT            PIC X.                                                       DNM=47-028  BL=10 28C  0117  DS 1C
01055  002680          05 ENVIR-WIND-SPEED             PIC X(2).                                                    DNM=47-058  BL=10 28D  0118  DS 2C
01056  002690          05 ENVIR-CURRENT-DIRECT         PIC X.                                                       DNM=47-087  BL=10 28F  0120  DS 1C
01057  002700          05 ENVIR-CURRENT-SPEED          PIC X(2).                                                    DNM=47-120  BL=10 290  0121  DS 2C
01058  002710          05 ENVIR-WATER-LEVEL            PIC X.                                                       DNM=47-152  BL=10 292  0123  DS 1C
01059  002720          05 ENVIR-STATE-ALTER            PIC X.                                                       DNM=47-182  BL=10 293  0124  DS 1C
01060  002730          05 ENVIR-ALLOWED-ACT            PIC X.                                                       DNM=47-212  BL=10 294  0125  DS 1C
01061  002740          05 ENVIR-NUMBER-REPLIC          PIC X(2).                                                    DNM=47-242  BL=10 295  0126  DS 2C
01062  002750          05 FILLER                       PIC X(15).                                                   DNM=47-274  BL=10 297  0128  DS 15C
01063  002760          05 DATE-MODIFIED                PIC X(8).                                                    DNM=47-288  BL=10 2A6  0143  DS 8C
01064  002770      03  REPLICATE-DATA REDEFINES DATA-BY-RECORD-TYPE.                                               DNM=47-314  BL=10 230  0025  DS 0CL126
01065  002780          05 RP-COLLECT-SIZE              PIC X(6).                                                    DNM=47-344  BL=10 230  0025  DS 6C
01066  002790          05 RP-COLLECT-SIZE-R REDEFINES RP-COLLECT-SIZE PIC 9(6).                                     DNM=47-372  BL=10 230  0025  DS 6C
01067  002800          05 RP-SAMPLE-SIZE               PIC X(6).                                                    DNM=47-402  BL=10 236  0031  DS 6C
01068  002810          05 RP-SAMPLE-SIZE-R REDEFINES RP-SAMPLE-SIZE PIC 9(6).                                       DNM=47-429  BL=10 236  0031  DS 6C
01069  002820          05 RP-NUMBER-SPECIES            PIC X(2).                                                    DNM=47-458  BL=10 23C  0037  DS 2C
01070  002830          05 RP-QUALITY                   PIC X.                                                       DNM=47-488  BL=10 23E  0039  DS 1C
01071  002840          05 FILLER                       PIC X(103).                                                  DNM=48-000  BL=10 23F  0040  DS 103C
01072  002850          05 DATE-MODIFIED                PIC X(8).                                                    DNM=48-014  BL=10 2A6  0143  DS 8C
01073  002860      03  SPECIES-DATA REDEFINES DATA-BY-RECORD-TYPE.                                                 DNM=48-040  BL=10 230  0025  DS 0CL126
01074  002870          05 SPE-TOTAL-CNT                PIC X(5).                                                    DNM=48-068  BL=10 230  0025  DS 5C
01075  002880          05 SPE-TOTAL-CNT-R REDEFINES SPE-TOTAL-CNT PIC 9(5).                                         DNM=48-094  BL=10 230  0025  DS 5C
01076  002890          05 SPE-TOTAL-WGT                PIC X(6).                                                    DNM=48-122  BL=10 235  0030  DS 6C
01077  002900          05 SPE-TOTAL-WGT-R REDEFINES SPE-TOTAL-WGT PIC 9(6).                                         DNM=48-148  BL=10 235  0030  DS 6C
01078  002910          05 SPE-SAMPLE-CNT               PIC X(5).                                                    DNM=48-176  BL=10 238  0036  DS 5C
01079  002920          05 SPE-SAMPLE-CNT-R REDEFINES SPE-SAMPLE-CNT                                                 DNM=48-203  BL=10 238  0036  DS 5C
01080  002930                                         PIC 9(5).
01081  002940          05 SPE-SAMPLE-WGT               PIC X(6).                                                    DNM=48-232  BL=10 240  0041  DS 6C
01082  002950          05 SPE-SAMPLE-WGT-R REDEFINES SPE-SAMPLE-WGT                                                 DNM=48-259  BL=10 240  0041  DS 6C
01083  002960                                         PIC 9(6).
01084  002970          05 SPE-SUBSAMPLE-CNT            PIC X(5).                                                    DNM=48-288  BL=10 246  0047  DS 5C
01085  002980          05 SPE-SUBSAMPLE-CNT-R REDEFINES SPE-SUBSAMPLE-CNT                                           DNM=48-318  BL=10 246  0047  DS 5C
01086  002990                                         PIC 9(5).
01087  003000          05 SPE-SUBSAMPLE-WGT            PIC X(6).                                                    DNM=48-350  BL=10 248  0052  DS 6C
01088  003010          05 SPE-SUBSAMPLE-WGT-R REDEFINES SPE-SUBSAMPLE-WGT                                           DNM=48-380  BL=10 248  0052  DS 6C
01089  003020                                         PIC 9(6).
01090  003030          05 SPE-INDIV-FORMAT-CODE        PIC X.                                                       DNM=48-412  BL=10 251  0058  DS 1C
01091  003040          05 SPE-TAG-TYPE1                PIC X.                                                       DNM=48-446  BL=10 252  0059  DS 1C
01092  003050          05 SPE-NBR-TAGGED1              PIC X(5).                                                    DNM=48-472  BL=10 253  0060  DS 5C
01093  003060          05 SPE-NBR-TAGGED1-R REDEFINES SPE-NBR-TAGGED1 PIC 9(5).                                     DNM=49-000  BL=10 253  0060  DS 5C
01094  003070          05 SPE-TAG-TYPE2                PIC X.                                                       DNM=49-030  BL=10 258  0065  DS 1C
01095  003080          05 SPE-NBR-TAGGED2              PIC X(5).                                                    DNM=49-056  BL=10 259  0066  DS 5C
01096  003090          05 SPE-NBR-TAGGED2-R REDEFINES SPE-NBR-TAGGED2 PIC 9(5).                                     DNM=49-084  BL=10 259  0066  DS 5C
01097  003100          05 FILLER                       PIC X(72).                                                   DNM=49-111  BL=10 25E  0071  DS 72C
01098  003110          05 DATE-MODIFIED                PIC X(9).                                                    DNM=49-125  BL=10 2A6  0143  DS 8C
01099  003120      03  INDIVIDUAL-DATA REDEFINES DATA-BY-RECORD-TYPE.                                              DNM=49-151  BL=10 230  0025  DS 0CL126
01100  003130          05 INDIV-CNT                    PIC X(3).                                                    DNM=49-182  BL=10 230  0025  DS 3C
01101  003140          05 INDIV-CNT-R REDEFINES INDIV-CNT PIC 9(3).                                                 DNM=49-204  BL=10 230  0025  DS 3C
01102  003150             88 SPECIES-CODE3-6-CNT       VALUE 001.
01103  003160          05 INDIV-LTH                    PIC X(4).                                                    DNM=49-264  BL=10 233  0028  DS 4C
01104  003170          05 INDIV-LTH-R REDEFINES INDIV-LTH PIC 9(4).                                                 DNM=49-286  BL=10 233  0028  DS 4C
01105  003180          05 INDIV-DETAILS.                                                                            DNM=49-310  BL=10 237  0032  DS 0CL37
01106  003190             07 INDIV-WGT                 PIC X(5).                                                    DNM=49-339  BL=10 237  0032  DS 5C
```

```
01319  001100          88 CVT-YMD6-IS-ZERO          VALUE 0.
01320  001110       03 FILLER REDEFINES CVT-YMD6.                                  DNM=58-451  BL=10 338  0121  DS 0CL6
01321  001120          04 CVT-YMD6-YEAR          PIC 9(2).                         DNM=58-468  BL=10 338  0121  DS 2C
01322  001130          04 CVT-YMD6-MONTH         PIC 9(2).                         DNM=59-000  BL=10 33A  0123  DS 2C
01323  001140          04 CVT-YMD6-DAY           PIC 9(2).                         DNM=59-024  BL=10 33C  0125  DS 2C

01325  001160       03 CVT-YMD8                  PIC X(8).                         DNM=59-049  BL=10 33E  0127  DS 8C
01326  001170          88 CVT-YMD8-IS-ZERO          VALUE ZEROES.
01327  001180       03 FILLER REDEFINES CVT-YMD8.                                  DNM=59-099  BL=10 33E  0127  DS 0CL8
01328  001190          04 CVT-YMD8-YEAR          PIC 9(2).                         DNM=59-116  BL=10 33E  0127  DS 2C
01329  001200          04 FILLER                 PIC X(1).                         DNM=59-142  BL=10 340  0129  DS 1C
01330  001210          04 CVT-YMD8-MONTH         PIC 9(2).                         DNM=59-156  BL=10 341  0130  DS 2C
01331  001220          04 FILLER                 PIC X(1).                         DNM=59-180  BL=10 343  0132  DS 1C
01332  001230          04 CVT-YMD8-DAY           PIC 9(2).                         DNM=59-194  BL=10 344  0133  DS 2C

01334  001250       03 CVT-ALPHA-ABBRV.                                            DNM=59-216  BL=10 346  0135  DS 0CL13
01335  001260          04 CVT-ABBRV-MONTH        PIC X(3).                         DNM=59-247  BL=10 346  0135  DS 3C
01336  001270          04 CVT-ABBRV-PERIOD       PIC X(2).                         DNM=59-275  BL=10 349  0138  DS 2C
01337  001280          04 CVT-ABBRV-DAY-YEAR.                                      DNM=59-304  BL=10 34B  0140  DS 0CL8
01338  001290            05 CVT-ABBRV-DAY        PIC 9(2).                         DNM=59-338  BL=10 34B  0140  DS 2C
01339  001300            05 CVT-ABBRV-COMMA      PIC X(2).                         DNM=59-364  BL=10 34D  0142  DS 2C
01340  001310            05 CVT-ABBRV-YEAR       PIC 9(4).                         DNM=59-392  BL=10 34F  0144  DS 4C
01341  001320          04 FILLER REDEFINES CVT-ABBRV-DAY-YEAR.                     DNM=59-419  BL=10 34B  0140  DS 0CL8
01342  001330            05 CVT-ABBRV-DAYR OCCURS 8 TIMES PIC X(1).                DNM=59-436  BL=10 34B  0140  DS 1C

01344  001350       03 CVT-ALPHA-DATE           PIC X(18).                        DNM=59-463  BL=10 353  0148  DS 18C
01345  001360       03 FILLER REDEFINES CVT-ALPHA-DATE.                           DNM=59-487  BL=10 353  0148  DS 0CL18
01346  001370          04 CVT-DAYR OCCURS 18 TIMES PIC X(1).                       DNM=60-000  BL=10 353  0148  DS 1C
01347  001380       03 CVT-DAY-OF-THE-WEEK      PIC X(9).                         DNM=60-021  BL=10 365  0166  DS 9C

01349  001400     02 DATECALC-DIFF              PIC S9(7) COMP-3.                 DNM=60-053  BL=10 36E  0175  DS 4P

01351  001420*****************************************************************
```

```
                                                                                                    INT NAME   BASE  DISP RL01  DEFINITION
01353  006090 01  SEARCH-PRELOAD-KEY                VALUE SPACES.                                05980000  DNM=60-079 BL=10 378  0001  DS 0CL18
01354  006100     03 SEARCH-ENVIR-PROGRAM-TYPE       PIC X(03).                                   05990000  DNM=60-113 BL=10 378  0001  DS 3C
01355  006110     03 SEARCH-ENVIR-START-LOC           PIC X(10).                                   06000000  DNM=60-148 BL=10 37B  0004  DS 10C
01356  006120     03 SEARCH-ENVIR-STAT-NUM            PIC X(05).                                   06010000  DNM=60-183 BL=10 385  0014  DS 5C
01357  006130*                                                                                     06020000
01358  006140 01  WK-ENVIR-PRELOAD-REC.                                                          06030000  DNM=60-217 BL=10 390  0001  DS 0CL46
01359  006150     03 WK-ENVIR-PRELOAD-KEY            PIC X(18).                                   06040000  DNM=60-253 BL=10 390  0001  DS 18C
01360  006160        88 END-OF-ENVIR-PRELOAD VALUE HIGH-VALUES.                                   06050000
01361  006170     03 WK-ENVIR-PRELOAD-DATA.                                                        06060000  DNM=60-322 BL=10 3A2  0019  DS 0CL28
01362  006180        05 WK-E-DURATION                PIC X(04).                                   06070000  DNM=60-356 BL=10 3A2  0019  DS 4C
01363  006190        05 WK-E-GEAR-TYPE               PIC X(03).                                   06080000  DNM=60-382 BL=10 3A6  0023  DS 3C
01364  006200        05 WK-E-GEAR-PARM1              PIC X(04).                                   06090000  DNM=60-409 BL=10 3A9  0026  DS 4C
01365  006210        05 WK-E-GEAR-PARM2              PIC X(04).                                   06100000  DNM=60-437 BL=10 3AD  0030  DS 4C
01366  006220        05 WK-E-GEAR-PARM3              PIC X(04).                                   06110000  DNM=60-465 BL=10 3B1  0034  DS 4C
01367  006230        05 WK-E-RIG                     PIC X(01).                                   06120000  DNM=61-000 BL=10 3B5  0038  DS 1C
01368  006240        05 WK-E-TYPE-OF-TOW             PIC X(01).                                   06130000  DNM=61-021 BL=10 3B6  0039  DS 1C
01369  006250        05 WK-E-BOTTOM-TYPE             PIC X(02).                                   06140000  DNM=61-050 BL=10 3B7  0040  DS 2C
01370  006260        05 WK-E-BOTTOM-PROF             PIC X(01).                                   06150000  DNM=61-076 BL=10 3B9  0042  DS 1C
01371  006270        05 WK-E-DEPTH                   PIC X(03).                                   06160000  DNM=61-105 BL=10 3BA  0043  DS 3C
01372  006280        05 WK-E-STATE-ALTER             PIC X(01).                                   06170000  DNM=61-128 BL=10 3BD  0046  DS 1C
01373  006290*                                                                                    06180000
01374  006300 01  NBR-OCCURS-ENVIR-PRELOAD          PIC S9999 COMP VALUE +0500.                  06190000  DNM=61-157 BL=10 3C0  0001  DS 2C
01375  006310*                                                                                    06200000
01376  006320 01  TABLE-ENVIR-PRELOAD.                                                           06210000  DNM=61-194 BL=10 3C8  0001  DS 0CL23000
01377  006330     03 TAB-ENVIR-PRELOAD-ENTRY OCCURS 500 TIMES                                     06220000  DNM=61-242 BL=10 3C8  0001  DS 0CL46
01378  006340                                ASCENDING KEY TAB-ENVIR-PRELOAD-KEY                  06230000
01379  006350                                INDEXED BY EPL-IX.                                   06240000
01380  006360        05 TAB-ENVIR-PRELOAD-KEY  PIC X(18).                                        06250000  DNM=61-281 BL=10 3C8  0001  DS 18C
01381  006370        05 TAB-ENVIR-PRELOAD-DATA PIC X(28).                                        06260000  DNM=61-315 BL=10 3DA  0019  DS 28C
01382  006380*                                                                                    06270000
01383  006390*                                                                                    06280000
01394  006400 01  CONVERT-DECIMAL-AREA.                                                          06290000  DNM=61-353 BL=15 DA0  0001  DS 0CL39
01385  006410     03  CONVERT-FIELD                  PIC X(6).                                    06300000  DNM=61-389 BL=15 DA0  0001  DS 6C
01386  006420     03  TEST-FIELD                     PIC X(6).                                    06310000  DNM=61-412 BL=15 DA6  0007  DS 6C
01387  006430     03  CONVERTED-DECIMAL-12           PIC 999999V999999.                           06320000  DNM=61-435 BL=15 DAC  0013  DS 12C
01388  006440     03  HOLD-CONVERSION                PIC 9(6)V9(6).                               06330000  DNM=61-465 BL=15 DB8  0025  DS 12C
01389  006450     03  TARGET-AREA REDEFINES-HOLD-CONVERSION.                                      06340000  DNM=62-000 BL=15 DB8  0025  DS 0CL12
01390  006460         05  NUMBER-UNITS               PIC X(6) JUST RIGHT.                         06350000  DNM=62-027 BL=15 DB8  0025  DS 6C
01391  006470         05  NUMBER-DECIMAL             PIC X(6).                                    06360000  DNM=62-052 BL=15 DBE  0031  DS 6C
01392  006480     03  COUNT-UNITS                    PIC 9.                                       06370000  DNM=62-079 BL=15 DC4  0037  DS 1C
01393  006490     03  COUNT-DECIMAL                  PIC 9.                                       06380000  DNM=62-103 BL=15 DC5  0038  DS 1C
01394  006500     03  NUMBER-OF-FIELDS               PIC 9.                                       06390000  DNM=62-129 BL=15 DC6  0039  DS 1C
01395  006510*                                                                                    06400000
01396  006520 01  CONVERTED-DECIMAL-HOLD-AREA.                                                   06410000  DNM=62-155 BL=15 DC8  0001  DS 0CL60
01397  006530     03  RP-SAMPLE-SIZE-CNVRT           PIC 999999V999999.                           06420000  DNM=62-198 BL=15 DC8  0001  DS 12C
01398  006540     03  RP-COLLECT-SIZE-CNVRT          PIC 999999V999999.                           06430000  DNM=62-231 BL=15 DD4  0013  DS 12C
01399  006550     03  SPE-SAMPLE-WGT-CNVRT           PIC 999999V999999.                           06440000  DNM=62-265 BL=15 DE0  0025  DS 12C
01400  006560     03  SPE-SUBSAMPLE-WGT-CNVRT        PIC 999999V999999.                           06450000  DNM=62-298 BL=15 DEC  0037  DS 12C
01401  006570     03  SPE-TOTAL-WGT-CNVRT            PIC 999999V999999.                           06460000  DNM=62-334 BL=15 DF8  0049  DS 12C
01402  006580*                                                                                    06470000
01403  006590 01  LATIN-TABLE-ENTRIES.                                                           06480000  DNM=62-366 BL=15 E08  0001  DS 0CL31171
01404  006600     03  LATIN-NAME-TABLE OCCURS 427 TIMES                                          06490000  DNM=62-422 BL=15 E08  0001  DS 0CL73
01405  006610                               ASCENDING KEY IS SPECIES-NUMBER                      06500000
01406  006620                               INDEXED BY LATIN-INDEX.                              06510000
```

```
33       M4100          10.43.12        APR  3,1984                                    INT NAME    BASE  DISP RL01  DEFINITION

01407  006630           05  ENGLISH-NAME                  PIC X(26).                  06520000  DNM=62-454  BL=15 E08  0001  DS 26C
01408  006640           05  SPECIES-NUMBER                PIC X(10).                  06530000  DNM=63-000  BL=15 E22  0027  DS 10C
01409  006650           05  SPECIES-NUMBER-R   REDEFINES                              06540000  DNM=63-030  BL=15 E22  0027  DS 10C
01410  006660                                 SPECIES-NUMBER PIC 9(10).               06550000
01411  006670           05  LATIN-NAME                    PIC X(37).                  06560000  DNM=63-062  BL=15 E2C  0037  DS 37C
01412  006680 01  ARRANGE-HOLD-AREA                PIC X(80).                         06570000  DNM=63-088  BL=23 700  0001  DS 80C
01413  006690 01  ARRANGE-BLOCK.                                                      06580000  DNM=63-118  BL=23 820  0001  DS 0CL8
01414  006700       03 ARRANGE-SS1                 PIC S9(4) COMP SYNC.              06590000  DNM=63-147  BL=23 820  0001  DS 1H
01415  006710       03 ARRANGE-SS2                 PIC S9(4) COMP SYNC.              06600000  DNM=63-171  BL=23 822  0003  DS 1H
01416  006720       03 ARRANGE-LIMIT               PIC S9(4) COMP SYNC.              06610000  DNM=63-195  BL=23 824  0005  DS 1H
01417  006730       03 ARRANGE-LAST                PIC S9(4) COMP SYNC.              06620000  DNM=63-221  BL=23 826  0007  DS 1H
01418  006740*                                                                       06630000
01419  006750 01  TAG-RECAPT-TAGNBR.                                                  06640000  DNM=63-246  BL=23 828  0001  DS 0CL18000
01420  006760       03  TAG-RECAPT-TAG-NUMBR OCCURS 3000 TIMES                       06650000  DNM=63-298  BL=23 828  0001  DS 0CL6
01421  006770                             INDEXED BY TAG-INDEX.                     06660000
01422  006780           05  TAG-RECAPT-TAG-NUMBER         PIC X(6).                 06670000  DNM=63-331  BL=23 828  0001  DS 6C
01423  006790*                                                                       06680000
01424  006800 01  ADJUST-ZERO-DATE.                                                   06690000  DNM=63-368  BL=27 E78  0001  DS 0CL6
01425  006810       03  ZERO-YY                       PIC 99.                       06700000  DNM=63-400  BL=27 E78  0001  DS 2C
01426  006820       03  ZERO-MM                       PIC 99.                       06710000  DNM=63-420  BL=27 E7A  0003  DS 2C
01427  006830       03  ZERO-DD                       PIC 99.                       06720000  DNM=63-440  BL=27 E7C  0005  DS 2C
01428  006840*                                                                      06730000
01429  006850*                                                                      06740000
01430  006860 01  ACTION-MESSAGES.                                                  06750000  DNM=63-457  BL=27 E80  0001  DS 0CL33
01431  006870       03 NOT-ADD                  PIC X(11) VALUE 'NOT ADDED  '.      06760000  DNM=63-488  BL=27 E80  0001  DS 11C
01432  006880       03 NOT-CHG                  PIC X(11) VALUE 'NOT CHANGED'.      06770000  DNM=64-000  BL=27 E88  0012  DS 11C
01433  006890       03 NOT-DEL                  PIC X(11) VALUE 'NOT DELETED'.      06780000  DNM=64-020  BL=27 E98  0023  DS 11C
01434  006900*                                                                      06790000
01435  006910 01  UPDATE-MESSAGES.                                                  06800000  DNM=64-040  BL=27 EA8  0001  DS 0CL42
01436  006920       03 REC-ADD                  PIC X(14) VALUE 'RECORD ADDED  '.   06810000  DNM=64-068  BL=27 EA8  0001  DS 14C
01437  006930       03 REC-CHG                  PIC X(14) VALUE 'RECORD CHANGED'.   06820000  DNM=64-088  BL=27 EB6  0015  DS 14C
01438  006940       03 REC-DEL                  PIC X(14) VALUE 'RECORD DELETED'.   06830000  DNM=64-108  BL=27 EC4  0029  DS 14C
01439  006950*                                                                      06840000
01440  006960 01  UPDATE-ERROR-MESSAGES.                                            06850000  DNM=64-128  BL=27 ED8  0001  DS 0CL57
01441  006970       03 INVAL-CHG-CODE           PIC X(19) VALUE 'INVALID CHANGE CODE'.06860000  DNM=64-165  BL=27 ED8  0001  DS 19C
01442  006980       03 NO-REC                   PIC X(19) VALUE 'RECORD NOT ON FILE '.06870000  DNM=64-192  BL=27 EE0  0020  DS 19C
01443  006990       03 REC-ALREADY              PIC X(19) VALUE 'RECORD ON FILE    '.06880000  DNM=64-211  BL=27 EFE  0039  DS 19C
01444  007000*                                                                      06890000
01445  007010 01  ERROR-MESSAGES.                                                   06900000  DNM=64-235  BL=27 F18  0001  DS 0CL2565
01446  007020       03 FLD-NOT-NUMERIC-ERR.                                         06910000  DNM=64-262  BL=27 F18  0001  DS 0CL45
01447  007030           05 FLD-NAME-IN-ERR       PIC X(18).                        06920000  DNM=64-297  BL=27 F18  0001  DS 18C
01448  007040           05 FILLER                PIC X(27)                         06930000  DNM=64-325  BL=27 F2A  0019  DS 27C
01449  007050             VALUE '-DATA IN FIELD NOT NUMERIC '.                     06940000
01450  007060       03 REPS-DONT-MATCH           PIC X(45)                         06950000  DNM=64-339  BL=27 F45  0046  DS 45C
01451  007070          VALUE 'NUM.REPLIC.RECORDS NOT = ENVIR.REPLICS OF XX '.      06960000
01452  007080       03 REPS-DONT-MATCH-R REDEFINES REPS-DONT-MATCH.                  06970000  DNM=64-367  BL=27 F45  0046  DS 0CL45
01453  007090           05 FILLER                PIC X(42).                        06980000  DNM=64-400  BL=27 F45  0046  DS 42C
01454  007100           05 ERR-MSG-REPS          PIC XX.                           06990000  DNM=64-414  BL=27 F6F  0088  DS 2C
01455  007110           05 FILLER                PIC X.                            07000000  DNM=64-439  BL=27 F71  0090  DS 1C
01456  007120       03 SAMPLE-EXCEEDS-COLLECTION PIC X(45)                         07010000  DNM=64-453  BL=27 F72  0091  DS 45C
01457  007130          VALUE 'SAMPL SIZ(123.456) GT COLLECTION SIZ(123.456)'.      07020000
01458  007140       03 SAMPLE-EXCEEDS-COLLECTION-R REDEFINES                       07030000  DNM=65-000  BL=27 F72  0091  DS 0CL45
01459  007150                 SAMPLE-EXCEEDS-COLLECTION.                          07040000
01460  007160           05 FILLER                PIC X(10).                        07050000  DNM=65-043  BL=27 F72  0091  DS 10C
```

```
                                                                                INT NAME.  BASE  DISP RLOI  DEFINITION
01461  007170      05  SAMPLE-SIZ              PIC 999.999 .                    07060000  DNM=65-057  BL=27 F7C  0101  DS 7C
01462  007180      05  FILLER                  PIC X(20).                       07070000  DNM=65-089  BL=27 F83  0108  DS 20C
01463  007190      05  COLLECT-SIZ             PIC 999.999 .                    07080000  DNM=65-103  BL=27 F97  0128  DS 7C
01464  007200      05  FILLER                  PIC X(1).                        07090000  DNM=65-136  BL=27 F9E  0135  DS 1C
01465  007210  03 GRID-NOT-FORMATTED           PIC X(45)                        07100000  DNM=65-150  BL=27 F9F  0136  DS 45C
01466  007220      VALUE 'GRID NOT CORRECTLY FORMATTED - XXXX          '.       07110000
01467  007230  03 GRID-NOT-FORMATTED-R REDEFINES GRID-NOT-FORMATTED.            07120000  DNM=65-181  BL=27 F9F  0136  DS 0CL45
01468  007240      05 FILLER                    PIC X(31).                       07130000  DNM=65-217  BL=27 F9F  0136  DS 31C
01469  007250      05 ERR-MSG-GRID              PIC XXXX.                        07140000  DNM=65-231  BL=27 FBE  0167  DS 4C
01470  007260      05 FILLER                    PIC X(10).                       07150000  DNM=65-253  BL=27 FC2  0171  DS 10C
01471  007270  03 SPECIES-DONT-MATCH           PIC X(45)                        07160000  DNM=65-267  BL=27 FCC  0181  DS 45C
01472  007280      VALUE 'NUM.SPECIES RECORDS(12) NOT = REP.SPEC.OF XX '.       07170000
01473  007290  03 SPECIES-DONT-MATCH-R REDEFINES SPECIES-DONT-MATCH.            07180000  DNM=65-298  BL=27 FCC  0181  DS 0CL45
01474  007300      05 FILLER                    PIC X(20).                       07190000  DNM=65-334  BL=27 FCC  0181  DS 20C
01475  007310      05 NUM-SPEC-REC              PIC 99.                          07200000  DNM=65-348  BL=27 FE0  0201  DS 2C
01476  007320      05 FILLER                    PIC X(20).                       07210000  DNM=65-373  BL=27 FE2  0203  DS 20C
01477  007330      05 ERR-MSG-SPECS             PIC XX.                          07220000  DNM=65-387  BL=27 FF6  0223  DS 2C
01478  007340      05 FILLER                    PIC X(1).                        07230000  DNM=65-413  BL=27 FF8  0225  DS 1C
01479  007350  03 SUB-SIZE-EXCEEDS-SAMPLE      PIC X(45)                        07240000  DNM=65-427  BL=27 FF9  0226  DS 45C
01480  007360      VALUE 'SPEC SUBSAMP NMBR(12345) GT SAMPL NMBR(12345)'.       07250000
01481  007370  03 SUB-SIZE-EXCEEDED-SAMPLE-R REDEFINES                          07260000  DNM=65-463  BL=27 FF9  0226  DS 0CL45
01482  007380          SUB-SIZE-EXCEEDS-SAMPLE .                                07270000
01483  007390      05  FILLER                  PIC X(18).                       07280000  DNM=66-000  BL=27 FF9  0226  DS 18C
01484  007400      05  SPEC-SUBSAMP-NMBRX      PIC 9(5).                        07290000  DNM=66-014  BL=28 008  0244  DS 5C
01485  007410      05  FILLER                  PIC X(16).                       07300000  DNM=66-045  BL=28 010  0249  DS 16C
01486  007420      05  SPEC-SAMPL-NMBRX        PIC 9(5).                        07310000  DNM=66-059  BL=28 020  0265  DS 5C
01487  007430      05  FILLER                  PIC X .                          07320000  DNM=66-085  BL=28 025  0270  DS 1C
01488  007440  03 SAMPLE-SIZE-EXC-COLLECTION PIC X(45)                         07330000  DNM=66-099  BL=28 026  0271  DS 45C
01489  007450      VALUE 'SPEC SAMPLE NMBR(12345) GT TOTAL NMBR(12345) '.       07340000
01490  007460  03 SAMPLE-SIZE-GT-COLLECT-SIZE REDEFINES                         07350000  DNM=66-138  BL=28 026  0271  DS 0CL45
01491  007470          SAMPLE-SIZE-EXC-COLLECTION .                             07360000
01492  007480      05  FILLER                  PIC X(17).                       07370000  DNM=66-181  BL=28 026  0271  DS 17C
01493  007490      05  SPE-SAMPLE-NMBRX        PIC 9(5).                        07380000  DNM=66-195  BL=28 037  0288  DS 5C
01494  007500      05  FILLER                  PIC X(16).                       07390000  DNM=66-224  BL=28 03C  0293  DS 16C
01495  007510      05  SPE-TOTAL-NMBRX         PIC 9(5).                        07400000  DNM=66-238  BL=28 04C  0309  DS 5C
01496  007520      05  FILLER                  PIC XX.                          07410000  DNM=66-266  BL=28 051  0314  DS 2C
01497  007530  03 SUB-WGT-EXCEEDS-SAMPLE  PIC X(45)                            07420000  DNM=66-280  BL=28 053  0316  DS 45C
01498  007540      VALUE 'SPE SUBSAMP WGT(123.456) GT SAMP WGT(123.456)'.       07430000
01499  007550  03  SUB-WGHT-GT-SAMP-WGHT REDEFINES SUB-WGT-EXCEEDS-SAMPLE.     07440000  DNM=66-315  BL=28 053  0316  DS 0CL45
01500  007560      05  FILLER                  PIC X(16).                       07450000  DNM=66-352  BL=28 053  0316  DS 16C
01501  007570      05  SPE-SUB-WGHTX           PIC 999.999 .                    07460000  DNM=66-366  BL=28 063  0332  DS 7C
01502  007580      05  FILLER                  PIC X(14).                       07470000  DNM=66-401  BL=28 06A  0339  DS 14C
01503  007590      05  SPE-SAMP-WGHTX          PIC 999.999 .                    07480000  DNM=66-415  BL=28 078  0353  DS 7C
01504  007600      05  FILLER                  PIC X.                           07490000  DNM=66-451  BL=28 07F  0360  DS 1C
01505  007610  03 SAMPLE-WGT-EXCEEDS-TOTAL   PIC X(45)                         07500000  DNM=66-465  BL=28 080  0361  DS 45C
01506  007620      VALUE 'SPEC SAMPL WGT(123.456) GT TOTAL WGT(123.456)'.       07510000
01507  007630  03  SAMP-WGHT-GT-TOTAL REDEFINES SAMPLE-WGT-EXCEEDS-TOTAL.      07520000  DNM=67-000  BL=28 080  0361  DS 0CL45
01508  007640      05  FILLER                  PIC X(15).                       07530000  DNM=67-034  BL=28 080  0361  DS 15C
01509  007650      05  SPE-SAMPLE-WGHTX        PIC 999.999 .                    07540000  DNM=67-048  BL=28 08F  0376  DS 7C
01510  007660      05  FILLER                  PIC X(15).                       07550000  DNM=67-086  BL=28 096  0383  DS 15C
01511  007670      05  SPE-TOTL-WGHTX          PIC 999.999 .                    07560000  DNM=67-100  BL=28 0A5  0398  DS 7C
01512  007680      05  FILLER                  PIC X.                           07570000  DNM=67-136  BL=28 0AC  0405  DS 1C
01513  007690  03 INVALID-REC-FOR-CODE       PIC X(45)                        07580000  DNM=67-150  BL=28 0AD  0406  DS 45C
01514  007700      VALUE 'THIS RECORD TYPE INVALID FOR SPECIES FORMAT X'.       07590000
```

```
                                                                                                  INT NAME    BASE  DISP RLO1  DEFINITION
01515  007710     03 INVALID-REC-FOR-CODE-R REDEFINES INVALID-REC-FOR-CODE.          07600000  DNM=67-183  BL=28 0AD  0406  DS 0CL45
01516  007720        05 FILLER                 PIC X(44).                           07610000  DNM=67-221  BL=28 0AD  0406  DS 44C
01517  007730        05 ERR-MSG-CODE           PIC X.                               07620000  DNM=67-235  BL=28 0D9  0450  DS 1C
01518  007740     03 INVALID-INDIV-FORMAT       PIC X(45)                          07630000  DNM=67-260  BL=28 0DA  0451  DS 45C
01519  007750        VALUE 'SPECIES CODE 1 OR 2 HAS DATA AFTER INDIV.LTH.'.         07640000
01520  007760     03 DUPLICATE-INDIV-RECS       PIC X(45)                          07650000  DNM=67-293  BL=28 107  0496  DS 45C
01521  007770        VALUE 'MORE THAN 2 OCCUR.OF AN INDIV.RECORD KEY CODE'.         07660000
01522  007780     03 INDIV-LTH-DISCREP          PIC X(45)                          07670000  DNM=67-326  BL=28 134  0541  DS 45C
01523  007790        VALUE 'LTH OF 2ND IND.REC.LESS THAN LTH.OF 1ST(XXXX)'.         07680000
01524  007800     03 INDIV-LTH-DISCREP-R REDEFINES INDIV-LTH-DISCREP.                07690000  DNM=67-356  BL=28 134  0541  DS 0CL45
01525  007810        05 FILLER                 PIC X(40).                           07700000  DNM=67-391  BL=28 134  0541  DS 40C
01526  007820        05 ERR-MSG-LTH            PIC XXXX.                            07710000  DNM=67-405  BL=28 15C  0581  DS 4C
01527  007830        05 FILLER                 PIC X.                               07720000  DNM=67-429  BL=28 160  0585  DS 1C
01528  007840     03 YEAR-DOESNT-MATCH          PIC X(45)                          07730000  DNM=67-443  BL=28 161  0586  DS 45C
01529  007850        VALUE 'SEQ. NBR. YEAR DOES NOT MATCH ENVIR.DATE YEAR'.         07740000
01530  007860     03 SUBSAMPLES-DONT-MATCH      PIC X(45)                          07750000  DNM=67-473  BL=28 18E  0631  DS 45C
01531  007870        VALUE 'NUM.INDIV.REC(12345) NE SPEC SUBSAM. OF XXXXX'.         07760000
01532  007880     03 SUBSAMPLES-DONT-MATCH-R REDEFINES SUBSAMPLES-DONT-MATCH.        07770000  DNM=68-000  BL=28 18E  0631  DS 0CL45
01533  007890        05 FILLER                 PIC X(14).                           07780000  DNM=68-039  BL=28 18E  0631  DS 14C
01534  007900        05  NUMBR-INDIV-RECX      PIC 99999.                           07790000  DNM=68-053  BL=28 19C  0645  DS 5C
01535  007910        05  FILLER                PIC X(21).                           07800000  DNM=68-082  BL=28 1A1  0650  DS 21C
01536  007920        05 ERR-MSG-SUBSAM         PIC X(5).                            07810000  DNM=68-096  BL=28 1B6  0671  DS 5C
01537  007930     03 ANL-DIST-ERROR             PIC X(45)                          07820000  DNM=68-123  BL=28 1BB  0676  DS 45C
01538  007940        VALUE 'DIS.TO ANL.DOES NOT INCR.AS AGE IS APPROACHED'.         07830000
01539  007950     03 TAG-NBR-LESS               PIC X(45)                          07840000  DNM=68-150  BL=28 1E8  0721  DS 45C
01540  007960        VALUE 'TAG ON 2ND INDIV. REC LESS THAN 1ST OF XXXXXX'.         07850000
01541  007970     03 TAG-NBR-LESS-R             REDEFINES TAG-NBR-LESS.            07860000  DNM=68-175  BL=28 1E8  0721  DS 0CL45
01542  007980        05 FILLER                 PIC X(39).                           07870000  DNM=68-202  BL=28 1E8  0721  DS 39C
01543  007990        05 ERR-MSG-TAG            PIC X(6).                            07880000  DNM=68-216  BL=28 20F  0760  DS 6C
01544  008000     03 TAG-NBR-DISCREP            PIC X(45)                          07890000  DNM=68-240  BL=28 215  0766  DS 45C
01545  008010        VALUE '2ND TAG = 1ST TAG NOT = NBR.SUBSAM. OF XXXX-1'.         07900000
01546  008020     03 TAG-NBR-DISCREP-R          REDEFINES TAG-NBR-DISCREP.         07910000  DNM=68-268  BL=28 215  0766  DS 0CL45
01547  008030        05 FILLER                 PIC X(39).                           07920000  DNM=68-301  BL=28 215  0766  DS 39C
01548  008040        05 ERR-MSG-DIF            PIC X(4).                            07930000  DNM=68-315  BL=28 23C  0805  DS 4C
01549  008050        05 FILLER                 PIC X(2).                            07940000  DNM=68-339  BL=28 240  0809  DS 2C
01550  008060     03 INDIV-COUNT-ERR            PIC X(45)                          07950000  DNM=68-353  BL=28 242  0811  DS 45C
01551  008070        VALUE 'INDIV.COUNT NOT = 1 FOR TYPE 3 FORMAT'.                 07960000
01552  008080     03 INDIV-LINE-ERR             PIC X(45)                          07970000  DNM=68-381  BL=28 26F  0856  DS 45C
01553  008090        VALUE 'INDIV.LINE NBR.NOT = 1 OR 2 FOR TYPE 3 FORMAT'.         07980000
01554  008100     03 MISSING-INDIV-DATA         PIC X(45)                          07990000  DNM=68-408  BL=28 29C  0901  DS 45C
01555  008110        VALUE 'NO INDIV.DATA(EXCP.LTH) FOR TYP.4 OR 7 FORMAT'.         08000000
01556  008120     03 NBR-ANL-DIST-GT-AGE        PIC X(45)                          08010000  DNM=68-436  BL=28 2C9  0946  DS 45C
01557  008130        VALUE 'NUMBER DISTANCES TO ANL.GREATER THAN ANL.-AGE'.         08020000
01558  008140     03 ANL-LTH-TO-EDGE-ERR        PIC X(45)                          08030000  DNM=68-468  BL=28 2F6  0991  DS 45C
01559  008150        VALUE 'ANL.LTH.TO EDGE NOT = MARG.INCR.+DIST.TO ANL.'.         08040000
01560  008160     03 AGE-LT-SPAWN-MARK          PIC X(45)                          08050000  DNM=69-000  BL=28 323  1036  DS 45C
01561  008170        VALUE 'INDIV.AGE IS LESS THAN INDIV.SPAWN MARKS CNT.'.         08060000
01562  008180     03 MISSING-ANNULUS            PIC X(45)                          08070000  DNM=69-030  BL=28 350  1081  DS 45C
01563  008190        VALUE 'INDIV.AGE STATUS = 2 BUT NO ANL.REC.FOLLOWED '.         08080000
01564  008200     03 IND-AGE-STAT-ERR           PIC X(45)                          08090000  DNM=69-058  BL=28 37D  1126  DS 45C
01565  008210        VALUE 'ANNULUS DATA BUT INDIV. AGE STATUS NOT = 2   '.         08100000
01566  008220     03 INVALID-GEAR-MSG           PIC X(45)                          08110000  DNM=69-087  BL=28 3AA  1171  DS 45C
01567  008230        VALUE 'GEAR TYPE 123 IS INVLD FOR PROGRAM NUMBER 123'.         08120000
01568  008240     03  INVALID-GEAR-MSGX REDEFINES INVALID-GEAR-MSG.                 08130000  DNM=69-116  BL=28 3AA  1171  DS 0CL45
```

```
01569  008250          05  FILLER                  PIC X(10).                  08140000  DNM=69-146  BL=28 3AA  1171  DS 10C
01570  008260          05  GEAR-TYPEX              PIC 999.                    08150000  DNM=69-160  BL=28 3B4  1181  DS 3C
01571  008270          05  FILLER                  PIC X(29).                  08160000  DNM=69-183  BL=28 3B7  1184  DS 29C
01572  008280          05  PROG-NUMBRX             PIC 999.                    08170000  DNM=69-197  BL=28 3D4  1213  DS 3C
01573  008290      03 INVALID-STA-MSG              PIC X(45)                   08180000  DNM=69-221  BL=28 3D7  1216  DS 45C
01574  008300         VALUE 'STATION NBR 12345 INVALID FOR LOC 1234567890 '.   08190000
01575  008310      03 INVALID-STA-MSG-R REDEFINES INVALID-STA-MSG.             08200000  DNM=69-249  BL=28 3D7  1216  DS 0CL45
01576  008320         05  FILLER                  PIC X(12).                  08210000  DNM=69-262  BL=28 3D7  1216  DS 12C
01577  008330         05  STAT-NMBRX              PIC X(5).                   08220000  DNM=69-296  BL=28 3E3  1228  DS 5C
01578  008340         05  FILLER                  PIC X(17).                  08230000  DNM=69-319  BL=28 3E8  1233  DS 17C
01579  008350         05  START-LOCX              PIC X(10).                  08240000  DNM=69-333  BL=28 3F9  1250  DS 10C
01580  008360         05  FILLER                  PIC X.                      08250000  DNM=69-356  BL=28 403  1260  DS 1C
01581  008370      03 START-LOC-ERROR              PIC X(45)                   08260000  DNM=69-370  BL=28 404  1261  DS 45C
01582  008380         VALUE 'START LOCAT. IS INVALID FOR THIS PROGRAM NBR.'.   08270000
01583  008390      03 TAG-TYPE-NBR-ERR             PIC X(45)                   08280000  DNM=69-398  BL=28 431  1306  DS 45C
01584  008400         VALUE 'SPECIES TAG TYPE AND NBR. TAGD. INCONSISTENT'.    08290000
01585  008410      03 NBR-TAGGED-ERR               PIC X(45)                   08300000  DNM=69-427  BL=28 45E  1351  DS 45C
01586  008420         VALUE 'COLLECTION CNT. LESS THAN TOT. NBR. TAGGED   '.  08310000
01587  008430      03 INDIV-AGE-INCONSIS           PIC X(45)                   08320000  DNM=69-454  BL=28 488  1396  DS 45C
01588  008440         VALUE 'INDIV. AGE INCONSISTENCY AMONG VARS.         '.  08330000
01589  008450      03 INDIV-AGE-STAT-ERR2          PIC X(45)                   08340000  DNM=70-000  BL=28 488  1441  DS 45C
01590  008460         VALUE 'AGE STATUS = 1 BUT NO AGE RECORDED           '.  08350000
01591  008470      03 INDIV-AGE-STAT-ERR3          PIC X(45)                   08360000  DNM=70-032  BL=28 4E5  1486  DS 45C
01592  008480         VALUE 'AGE STATUS = 2 BUT NO AGE RECORDED           '.  08370000
01593  008490      03 INDIV-AGE-STAT-ERR4          PIC X(45)                   08380000  DNM=70-064  BL=28 512  1531  DS 45C
01594  008500         VALUE 'AGE STATUS = 3 BUT AGE OR SPAWN MARK NOT BLNK'.   08390000
01595  008510      03 SPECIES-GROUP-NOT-FOUND  PIC X(45)                       08400000  DNM=70-096  BL=28 53F  1576  DS 45C
01596  008520         VALUE 'SPECIES CODE 1234567890 NOT FOUND IN MFSPP   '.   08410000
01597  008530      03 SPECIES-GROUP-NOT-FOUND-R REDEFINES                      08420000  DNM=70-132  BL=28 53F  1576  DS 0CL45
01598  008540                   SPECIES-GROUP-NOT-FOUND.                       08430000
01599  008550         05  FILLER                  PIC X(14).                  08440000  DNM=70-173  BL=28 53F  1576  DS 14C
01600  008560         05  SPEC-CODE               PIC X(10).                  08450000  DNM=70-187  BL=28 54D  1590  DS 10C
01601  008570         05  FILLER                  PIC X(21).                  08460000  DNM=70-209  BL=28 557  1600  DS 21C
01602  008580      03 INVALID-SPECIES-CODE-6  PIC X(45)                        08470000  DNM=70-223  BL=28 56C  1621  DS 45C
01603  008590         VALUE 'INVALID SPECIES INDIV FORMAT CODE OF 6 FOUND '.   08480000
01604  008600      03 NONEQUAL-LTH-AND-MARGIN  PIC X(45)                       08490000  DNM=70-258  BL=28 599  1666  DS 45C
01605  008610         VALUE 'WITH ANNL-AGE = 0, ANNL-LGTH NE ANNL-MARGIN'.     08500000
01606  008620      03 LNGTH-LAST-ANNL-INCONSIS PIC X(45)                       09510000  DNM=70-294  BL=28 5C6  1711  DS 45C
01607  008630         VALUE 'LTH.TO.EDGE LESS THAN LAST ANNULUS MEASUREMNT'.   08520000
01608  008640      03 ENVIR-LOC-NOT-FOUND  PIC X(45)                           08530000  DNM=70-331  BL=28 5F3  1756  DS 45C
01609  008650         VALUE 'LOCATION 1234567890 NOT IN TABLE, CODES INVLD'.   08540000
01610  008660      03 ENVIR-LOC-NOT-FOUND-R REDEFINES                          08550000  DNM=70-360  BL=28 5F3  1756  DS 0CL45
01611  008670                   ENVIR-LOC-NOT-FOUND.                           08560000
01612  008680         05  FILLER                  PIC X(9).                   08570000  DNM=70-394  BL=28 5F3  1756  DS 9C
01613  008690         05  LOCATION-CODE           PIC X(10).                  08580000  DNM=70-408  BL=28 5FC  1765  DS 10C
01614  008700         05  FILLER                  PIC X(26).                  08590000  DNM=70-434  BL=28 606  1775  DS 26C
01615  008710      03 NON-NUMERIC-GEAR     PIC X(45)                           08600000  DNM=70-448  BL=28 620  1801  DS 45C
01616  008720         VALUE 'GEAR-CODE XXX NOT NUMERIC, REPLACED BY ZEROS '.   08610000
01617  008730      03 NON-NUMERIC-GEAR-R    REDEFINES                          08620000  DNM=70-477  BL=28 620  1801  DS 0CL45
01618  008740                   NON-NUMERIC-GEAR.                              08630000
01619  008750         05  FILLER                  PIC X(10).                  08640000  DNM=71-000  BL=28 620  1801  DS 10C
01620  008760         05  INV-GEAR-CODE           PIC X(3).                   08650000  DNM=71-014  BL=28 62A  1811  DS 3C
01621  008770         05  FILLER                  PIC X(32).                  08660000  DNM=71-037  BL=28 62D  1814  DS 32C
01622  008780      03 MISSING-CODE3-NMBR2  PIC X(45)                           08670000  DNM=71-051  BL=28 64D  1846  DS 45C
```

```
01623  008790          VALUE 'MISSING LINE 002 FOR CODE-3 SPECIES RECORD'.      08680000
01624  008800    03 AGE-CONFLICT          PIC X(45)                             08690000  DNM=71-083  BL=28 67A  1891  DS 45C
01625  008810       VALUE 'AGE CONFLICT BETWEEN INDIV & ANNULUS RECORDS '.      08700000
01626  008820    03 DATE-REC1-REC9-ERROR                PIC X(45)               08710000  DNM=71-108  BL=28 6A7  1936  DS 45C
01627  008830       VALUE 'ENVR DATE(YYMMDD) 123456 GT RECPT DATE 123456'.      08720000
01628  008840    03 DATE-REC1-REC9-ERR2 REDEFINES DATE-REC1-REC9-ERROR.         08730000  DNM=71-141  BL=28 6A7  1936  DS 0CL45
01629  008850       05 FILLER                          PIC X(18).               08740000  DNM=71-176  BL=28 6A7  1936  DS 18C
01630  008860       05 ERR-ENVIR-DATE                  PIC 9(6).                08750000  DNM=71-190  BL=28 6B9  1954  DS 6C
01631  008870       05 FILLER                          PIC X(15).               08760000  DNM=71-217  BL=28 6BF  1960  DS 15C
01632  008880       05 ERR-RECAPT-DATE                 PIC 9(6).                08770000  DNM=71-231  BL=28 6CE  1975  DS 6C
01633  008890    03 RECAPT-DAYS-OUT-ERR               PIC X(45)                08780000  DNM=71-259  BL=28 6D4  1981  DS 45C
01634  008900       VALUE 'DAYS OUT(1234) NE CALCD DIFF BTWN DATES(1234)'.      08790000
01635  008910    03 RECAPT-DAYS-OUT-ERR-R REDEFINES RECAPT-DAYS-OUT-ERR.        08800000  DNM=71-291  BL=28 6D4  1981  DS 0CL45
01636  008920       05 FILLER                          PIC X(9).                08810000  DNM=71-328  BL=28 6D4  1981  DS 9C
01637  008930       05 ERR-DAYS-OUT                    PIC 9999.                08820000  DNM=71-342  BL=28 6DD  1990  DS 4C
01638  008940       05 FILLER                          PIC X(27).               08830000  DNM=71-367  BL=28 6E1  1994  DS 27C
01639  008950       05 ERR-DAYS-DIFF                   PIC 9999.                08840000  DNM=71-381  BL=28 6FC  2021  DS 4C
01640  008960       05 FILLER                          PIC X.                   08850000  DNM=71-404  BL=28 700  2025  DS 1C
01641  008970    03 TAG-NUMBR-ERROR                   PIC X(45).               08860000  DNM=71-418  BL=28 701  2026  DS 45C
01642  008980       VALUE 'TAG NUMBER (123456) IS NOT VALID          '.         08870000
01643  008990    03 TAG-NUMBR-ERR-R  REDEFINES TAG-NUMBR-ERROR.                 08880000  DNM=71-443  BL=28 701  2026  DS 0CL45
01644  009000       05 FILLER                          PIC X(12).               08890000  DNM=71-471  BL=28 701  2026  DS 12C
01645  009010       05 TAG-NBR-ERROR                   PIC X(6).                08900000  DNM=71-485  BL=28 70D  2038  DS 6C
01646  009020       05 FILLER                          PIC X(27).               08910000  DNM=72-000  BL=28 713  2044  DS 27C
01647  009030    03 ENVIR-DURATION-ERROR               PIC X(45)                08920000  DNM=72-014  BL=28 72E  2071  DS 45C
01648  009040       VALUE 'WITH GEAR=0, DURATION NE BLANK, I.E.(1234)    '.     08930000
01649  009050    03 ENVIR-DURATION-ERR-R REDEFINES ENVIR-DURATION-ERROR.         08940000  DNM=72-047  BL=28 72E  2071  DS 0CL45
01650  009060       05 FILLER                          PIC X(37).               08950000  DNM=72-083  BL=28 72E  2071  DS 37C
01651  009070       05 ENVIR-DURAT-ERR                 PIC X(4).                08960000  DNM=72-097  BL=28 753  2108  DS 4C
01652  009080       05 FILLER                          PIC X(4).                08970000  DNM=72-125  BL=28 757  2112  DS 4C
01653  009090    03 ENVIR-NON-ZERO-GEAR               PIC X(45)                08980000  DNM=72-139  BL=28 75B  2116  DS 45C
01654  009100       VALUE 'WITH REPLIC=0, GEAR NE 0, I.E.(123)       '.         08990000
01655  009110    03 ENVIR-NON-ZERO-GEAR-R REDEFINES ENVIR-NON-ZERO-GEAR.        09000000  DNM=72-168  BL=28 75B  2116  DS 0CL45
01656  009120       05 FILLER                          PIC X(31).               09010000  DNM=72-205  BL=28 75B  2116  DS 31C
01657  009130       05 ENVIR-NO-GEAR                   PIC XXX.                 09020000  DNM=72-219  BL=28 77A  2147  DS 3C
01658  009140       05 FILLER                          PIC X(11).               09030000  DNM=72-245  BL=28 77D  2150  DS 11C
01659  009150    03 SPAWN-CONFLICT                    PIC X(45)                09040000  DNM=72-259  BL=28 788  2161  DS 45C
01660  009160       VALUE 'INDIV SPAWN CNT(12) NE ANNL SPAWN CNT(12)     '.     09050000
01661  009170    03 SPAWN-CONFLICT-R REDEFINES SPAWN-CONFLICT.                  09060000  DNM=72-286  BL=28 788  2161  DS 0CL45
01662  009180       05 FILLER                          PIC X(16).               09070000  DNM=72-318  BL=28 788  2161  DS 16C
01663  009190       05 INDIV-SPWN                      PIC XX.                  09080000  DNM=72-332  BL=28 798  2177  DS 2C
01664  009200       05 FILLER                          PIC X(20).               09090000  DNM=72-355  BL=28 79A  2179  DS 20C
01665  009210       05 ANNL-SPWN                       PIC XX.                  09100000  DNM=72-369  BL=28 7AE  2199  DS 2C
01666  009220       05 FILLER                          PIC X(5).                09110000  DNM=72-388  BL=28 7B0  2201  DS 5C
01667  009230    03 TAG-NUMBER-REPEATED               PIC X(45)                09120000  DNM=72-402  BL=28 7B5  2206  DS 45C
01668  009240       VALUE 'TAG NMBR(123456) REPEATED ACROSS LINE NUMBERS'.      09130000
01669  009250    03 TAG-NUMBER-REPEATED-R REDEFINES TAG-NUMBER-REPEATED.        09140000  DNM=72-431  BL=28 7B5  2206  DS 0CL45
01670  009260       05 FILLER                          PIC X(9).                09150000  DNM=72-468  BL=28 7B5  2206  DS 9C
01671  009270       05 TAG-NMBR-ERROR                  PIC X(6).                09160000  DNM=72-482  BL=28 7BE  2215  DS 6C
01672  009280       05 FILLER                          PIC X(30).               09170000  DNM=73-000  BL=28 7C4  2221  DS 30C
01673  009290    03 TAG-TYPE-ERROR                    PIC X(45)                09180000  DNM=73-014  BL=28 7E2  2251  DS 45C
01674  009300       VALUE 'THIRD TAG-TYPE(1) FOUND WITHIN SPECIES GROUP'.       09190000
01675  009310    03 TAG-TYPE-ERROR-R REDEFINES TAG-TYPE-ERROR.                  09200000  DNM=73-038  BL=28 7E2  2251  DS 0CL45
01676  009320       05 FILLER                          PIC X(15).               09210000  DNM=73-070  BL=28 7E2  2251  DS 15C
```

```
                                                                                                  INT NAME    BASE  DISP RL01  DEFINITION
01677  009330        05  ERR-TAG-TYPE                          PIC X.                  09220000  DNM=73-084  BL=28 7F1  2266  DS 1C
01678  009340        05  FILLER                                PIC X(29).              09230000  DNM=73-109  BL=28 7F2  2267  DS 29C
01679  009350     03 TAG-AND-SPE-CNT-ERROR                     PIC X(45)               09240000  DNM=73-123  BL=28 80F  2296  DS 45C
01680  009360        VALUE 'NUM TAG RCPT(12345) GT SPEC REC(12345) TAG(X)'.           09250000
01681  009370     03 TAG-AND-SPE-CNT-ERROR-R REDEFINES TAG-AND-SPE-CNT-ERROR.         09260000  DNM=73-157  BL=28 80F  2296  DS 0CL45
01682  009380        05  FILLER                                PIC X(13).              09270000  DNM=73-196  BL=28 80F  2296  DS 13C
01683  009390        05  ERR-TAG-CNTR                          PIC X(5).               09280000  DNM=73-210  BL=28 81C  2309  DS 5C
01684  009400        05  FILLER                                PIC X(14).              09290000  DNM=73-235  BL=28 821  2314  DS 14C
01685  009410        05  ERR-SPE-CNTR                          PIC X(5).               09300000  DNM=73-249  BL=28 82F  2328  DS 5C
01686  009420        05  FILLER                                PIC X(6).               09310000  DNM=73-274  BL=28 834  2333  DS 6C
01687  009430        05  ERR-TAG-TYPX                          PIC X.                  09320000  DNM=73-288  BL=28 83A  2339  DS 1C
01688  009440        05  FILLER                                PIC X.                  09330000  DNM=73-313  BL=28 83B  2340  DS 1C
01689  009450     03 TAG-OR-SPE-ZERO-FIELD                     PIC X(45)               09340000  DNM=73-327  BL=28 83C  2341  DS 45C
01690  009460        VALUE 'ZERO IN DATE FLD-ENVIR(123456), RECPT(123456)'.           09350000
01691  009470     03 TAG-OR-SPE-ZERO-FIELD-R REDEFINES TAG-OR-SPE-ZERO-FIELD.         09360000  DNM=73-361  BL=28 83C  2341  DS 0CL45
01692  009480        05  FILLER                                PIC X(23).              09370000  DNM=73-397  BL=28 83C  2341  DS 23C
01693  009490        05  Z-ENVIR-DATE                          PIC X(6).               09380000  DNM=73-411  BL=28 853  2364  DS 6C
01694  009500        05  FILLER                                PIC X(9).               09390000  DNM=73-436  BL=28 859  2370  DS 9C
01695  009510        05  Z-RECAPT-DATE                         PIC X(6).               09400000  DNM=73-450  BL=28 862  2379  DS 6C
01696  009520        05  FILLER                                PIC X.                  09410000  DNM=73-473  BL=28 868  2385  DS 1C
01697  009530     03 TAG-RECAPT-DATE-CONFLICT                  PIC X(45)               09420000  DNM=74-000  BL=28 869  2386  DS 45C
01698  009540        VALUE 'ZERO IN DATE FIELD, DAYS OUT NONBLANK(1234)  '.           09430000
01699  009550     03 TAG-RECAPT-DATE-CONFLICT-R REDEFINES                             09440000  DNM=74-037  BL=28 869  2386  DS 0CL45
01700  009560                                TAG-RECAPT-DATE-CONFLICT.                09450000
01701  009570        05  FILLER                                PIC X(38).              09460000  DNM=74-079  BL=28 869  2386  DS 38C
01702  009580        05  DAY-OUT-CONFLICT                      PIC XXXX.               09470000  DNM=74-093  BL=28 88F  2424  DS 4C
01703  009590        05  FILLER                                PIC XXX.                09480000  DNM=74-122  BL=28 893  2428  DS 3C
01704  009600*-ADDITIONAL-ERROR MESSAGES-ADDED 2/84-BY EFF
01705  009610     03 DIST-TRAVELED-ERR                         PIC X(45)               09420000  DNM=74-136  BL=28 896  2431  DS 45C
01706  009620        VALUE 'DIST TRAVELED = 1234, BUT RECAPT LOC IS BLANK'.           09430000
01707  009630     03 DIST-TRAVELED-ERR-R REDEFINES                                    09440000  DNM=74-166  BL=28 896  2431  DS 0CL45
01708  009640                                DIST-TRAVELED-ERR.                       09450000
01709  009650        05  FILLER                                PIC X(16).              09460000  DNM=74-201  BL=28 896  2431  DS 16C
01710  009660        05  ERR-DISTANCE-TRAVELED                 PIC X(4).               09470000  DNM=74-215  BL=28 8A6  2447  DS 4C
01711  009670        05  FILLER                                PIC X(25).              09480000  DNM=74-249  BL=28 8AA  2451  DS 25C
01712  009680     03 STATUS-NBR-ERR                            PIC X(45)               09420000  DNM=74-263  BL=28 8C3  2476  DS 45C
01713  009690        VALUE 'FOR NON-BLANK TAG NMBR, STATUS MUST BE 1,2,3 '.           09430000
01714  009700     03 FORM-OF-RECORD-TYPE-IV-ERR                PIC X(45)               09420000  DNM=74-290  BL=28 8F0  2521  DS 45C
01715  009710        VALUE 'FORM OF REC TYPE IV = 5 AND REPLICATE NOT= 00'.           09430000
01716  009720*-END-OF-ADDITION EFF
```

```
                                                                                                  INT NAME    BASE  DISP RL01  DEFINITION
01718  009740 01  LAST-CONTROL.                                                          09500000  DNM=74-329  BL=28 920  0001  DS OCL24
01719  009750     03 LAST-REC-TYPE              PIC X.                                  09510000  DNM=74-357  BL=28 920  0001  DS 1C
01720  009760        88 LAST-TYPE-ENVIR         VALUE '1'.                              09520000
01721  009770        88 LAST-TYPE-REPLIC        VALUE '2'.                              09530000
01722  009780        88 LAST-TYPE-SPECIES       VALUE '3'.                              09540000
01723  009790        88 LAST-TYPE-INDIV         VALUE '4'.                              09550000
01724  009800        88 LAST-TYPE-ANNULUS       VALUE '5'.                              09560000
01725  009810        88 LAST-TYPE-TAG-RECAPT    VALUE '9'.                              09570000
01726  009820     03 LAST-RECORD-KEY.                                                     09580000  DNM=75-065  BL=28 921  0002  DS OCL23
01727  009830        05 LAST-SEQ-NBR            PIC X(7).                               09590000  DNM=75-096  BL=28 921  0002  DS 7C
01728  009840        05 LAST-REP-NBR            PIC X(2).                               09600000  DNM=75-121  BL=28 928  0009  DS 2C
01729  009850        05 LAST-SPECIES-GROUP.                                              09610000  DNM=75-146  BL=28 92A  0011  DS OCL11
01730  009860           07 LAST-SPECIES-CODE PIC X(10).                                  09620000  DNM=75-180  BL=28 92A  0011  DS 10C
01731  009870           07 LAST-SPECIES-STATUS PIC X.                                    09630000  DNM=75-210  BL=28 934  0021  DS 1C
01732  009880        05 LAST-LINE-NBR           PIC X(3).                               09640000  DNM=75-242  BL=28 935  0022  DS 3C
01733  009890        05 LAST-LINE-NBR-R REDEFINES LAST-LINE-NBR PIC 999.                09650000  DNM=75-265  BL=28 935  0022  DS 3C
01734  009900*                                                                          09660000
01735 **000010*****************************************************************
01736  000020*          -INC NM100TAB  PASSWORD IS ZPJB                          *
01737  000030*-------------------------------------------------------------------*
01738  000040*    THESE THREE TABLES ARE DIVIDED AS FOLLOWS                      *
01739  000050*       TABLE-1 CONTAINS THE FIRST 3 ENTRIES FOR A WATER BODY       *
01740  000060*       TABLE-2 CONTAINS ENTRIES 04 THRU 42  FOR A WATER BODY       *
01741  000070*       TABLE-3 CONTAINS ENTRIES 43 THRU 138 FOR A WATER BODY       *
01742  000080*                                                                   *
01743  000090*       EACH TABLE MUST BE IN SEQUENCE BY LOCATION NUMBER.          *
01744  000100*                ====                                               *
01745  000110*       AN ENTRY OCCURS IN TABLES ONLY IF THEY HAVE ENTRIES         *
01746  000120*         TO BE ENTERED.                                            *
01747  000130*****************************************************************
01748  000140*-------------------------------------------------------------------*
01749  000150 01  STATION-TABLE-1.                                                                DNM=75-293  BL=28 938  0001  DS OCL18039
01750  000160     03 FILLER  PIC 9(10) COMP-3 VALUE  0004060000.                                DNM=75-324  BL=28 938  0001  DS 6P
01751  000170     03 FILLER  PIC X(15)        VALUE 'CB29 C830    '.                        DNM=75-338  BL=28 93E  0007  DS 15C
01752  000180     03 FILLER  PIC 9(10) COMP-3 VALUE  0100010000.                             DNM=75-352  BL=28 94D  0022  DS 6P
01753  000190     03 FILLER  PIC X(15)        VALUE '124  301  302  '.                      DNM=75-366  BL=28 953  0028  DS 15C
01754  000200     03 FILLER  PIC 9(10) COMP-3 VALUE  0100020000.                             DNM=75-380  BL=28 962  0043  DS 6P
01755  000210     03 FILLER  PIC X(15)        VALUE '306  308  2E   '.                      DNM=75-394  BL=28 968  0049  DS 15C
01756  000220     03 FILLER  PIC 9(10) COMP-3 VALUE  0100030000.                             DNM=75-408  BL=28 977  0064  DS 6P
01757  000230     03 FILLER  PIC X(15)        VALUE '310S 311  312 '.                      DNM=75-422  BL=28 97D  0070  DS 15C
01758  000240     03 FILLER  PIC 9(10) COMP-3 VALUE  0100040000.                             DNM=75-436  BL=28 98C  0085  DS 6P
01759  000250     03 FILLER  PIC X(15)        VALUE 'CS32         '.                        DNM=75-450  BL=28 992  0091  DS 15C
01760  000260     03 FILLER  PIC 9(10) COMP-3 VALUE  0100050000.                             DNM=75-464  BL=28 9A1  0106  DS 6P
01761  000270     03 FILLER  PIC X(15)        VALUE '316  CS41 CS47'.                      DNM=75-478  BL=28 9A7  0112  DS 15C
01762  000280     03 FILLER  PIC 9(10) COMP-3 VALUE  0100060000.                             DNM=75-492  BL=28 9B6  0127  DS 6P
01763  000290     03 FILLER  PIC X(15)        VALUE '111S 112S 123'.                       DNM=76-000  BL=28 9BC  0133  DS 15C
01764  000300     03 FILLER  PIC 9(10) COMP-3 VALUE  0100080000.                             DNM=76-014  BL=28 9CB  0148  DS 6P
01765  000310     03 FILLER  PIC X(15)        VALUE '307          '.                        DNM=76-028  BL=28 9D1  0154  DS 15C
01766  000320     03 FILLER  PIC 9(10) COMP-3 VALUE  0100090000.                             DNM=76-042  BL=28 9E0  0169  DS 6P
01767  000330     03 FILLER  PIC X(15)        VALUE 'CS20 CS21    '.                        DNM=76-056  BL=28 9E6  0175  DS 15C
01768  000340     03 FILLER  PIC 9(10) COMP-3 VALUE  0101000000.                             DNM=76-070  BL=28 9F5  0190  DS 6P
01769  000350     03 FILLER  PIC X(15)        VALUE '300  CS17    '.                       DNM=76-084  BL=28 9FB  0196  DS 15C
01770  000360     03 FILLER  PIC 9(10) COMP-3 VALUE  0104000000.                             DNM=76-098  BL=28 A0A  0211  DS 6P
01771  000370     03 FILLER  PIC X(15)        VALUE 'CS22         '.                        DNM=76-112  BL=28 A10  0217  DS 15C
```

```
                                                                                                                    INT NAME   BASE  DISP RL01  DEFINITION
01772  000380     03 FILLER  PIC 9(10) COMP-3 VALUE  0108000000.                                                   DNM=76-126 BL=28 A1F  0232  DS 6P
01773  000390     03 FILLER  PIC X(15)         VALUE '313          '.                                             DNM=76-140 BL=28 A25  0238  DS 15C
01774  000400     03 FILLER  PIC 9(10) COMP-3 VALUE  0111000000.                                                   DNM=76-154 BL=28 A34  0253  DS 6P
01775  000410     03 FILLER  PIC X(15)         VALUE '314  3E   3ME '.                                          DNM=76-168 BL=28 A3A  0259  DS 15C
01776  000420     03 FILLER  PIC 9(10) COMP-3 VALUE  0113000000.                                                   DNM=76-182 BL=28 A49  0274  DS 6P
01777  000430     03 FILLER  PIC X(15)         VALUE '3    315  CS30 '.                                          DNM=76-196 BL=28 A4F  0280  DS 15C
01778  000440     03 FILLER  PIC 9(10) COMP-3 VALUE  0114000000.                                                   DNM=76-210 BL=28 A5E  0295  DS 6P
01779  000450     03 FILLER  PIC X(15)         VALUE '317S 318  319S '.                                         DNM=76-224 BL=28 A64  0301  DS 15C
01780  000460     03 FILLER  PIC 9(10) COMP-3 VALUE  0114020000.                                                   DNM=76-238 BL=28 A73  0316  DS 6P
01781  000470     03 FILLER  PIC X(15)         VALUE '320  CS51 '.                                              DNM=76-252 BL=28 A79  0322  DS 15C
01782  000480     03 FILLER  PIC 9(10) COMP-3 VALUE  0114020100.                                                   DNM=76-266 BL=28 A88  0337  DS 6P
01783  000490     03 FILLER  PIC X(15)         VALUE '1    4    5    '.                                         DNM=76-280 BL=28 A8E  0343  DS 15C
01784  000500     03 FILLER  PIC 9(10) COMP-3 VALUE  0114020201.                                                   DNM=76-294 BL=28 A9D  0358  DS 6P
01785  000510     03 FILLER  PIC X(15)         VALUE '2            '.                                           DNM=76-308 BL=28 AA3  0364  DS 15C
01786  000520     03 FILLER  PIC 9(10) COMP-3 VALUE  0200010000.                                                   DNM=76-322 BL=28 AB2  0379  DS 6P
01787  000530     03 FILLER  PIC X(15)         VALUE '49   T3   CR2  '.                                         DNM=76-336 BL=28 AB8  0385  DS 15C
01788  000540     03 FILLER  PIC 9(10) COMP-3 VALUE  0200020000.                                                   DNM=76-350 BL=28 AC7  0400  DS 6P
01789  000550     03 FILLER  PIC X(15)         VALUE '139  S1   S2   '.                                         DNM=76-364 BL=28 ACD  0406  DS 15C
01790  000560     03 FILLER  PIC 9(10) COMP-3 VALUE  0200030000.                                                   DNM=76-378 BL=28 ADC  0421  DS 6P
01791  000570     03 FILLER  PIC X(15)         VALUE '153  S7   S8   '.                                         DNM=76-392 BL=28 AE2  0427  DS 15C
01792  000580     03 FILLER  PIC 9(10) COMP-3 VALUE  0200040000.                                                   DNM=76-406 BL=28 AF1  0442  DS 6P
01793  000590     03 FILLER  PIC X(15)         VALUE '140  152  129  '.                                         DNM=76-420 BL=28 AF7  0448  DS 15C
01794  000600     03 FILLER  PIC 9(10) COMP-3 VALUE  0200050000.                                                   DNM=76-434 BL=28 B06  0463  DS 6P
01795  000610     03 FILLER  PIC X(15)         VALUE '138  141  149  '.                                         DNM=76-448 BL=28 B0C  0469  DS 15C
01796  000620     03 FILLER  PIC 9(10) COMP-3 VALUE  0200060000.                                                   DNM=76-462 BL=28 B1B  0484  DS 6P
01797  000630     03 FILLER  PIC X(15)         VALUE '151  AS25 W1   '.                                         DNM=76-476 BL=28 B21  0490  DS 15C
01798  000640     03 FILLER  PIC 9(10) COMP-3 VALUE  0200070000.                                                   DNM=76-490 BL=28 B30  0505  DS 6P
01799  000650     03 FILLER  PIC X(15)         VALUE '127S 136  137  '.                                         DNM=77-000 BL=28 B36  0511  DS 15C
01800  000660     03 FILLER  PIC 9(10) COMP-3 VALUE  0200080000.                                                   DNM=77-014 BL=28 B45  0526  DS 6P
01801  000670     03 FILLER  PIC X(15)         VALUE '130S 142  150  '.                                         DNM=77-028 BL=28 B4B  0532  DS 15C
01802  000680     03 FILLER  PIC 9(10) COMP-3 VALUE  0200090000.                                                   DNM=77-042 BL=28 B5A  0547  DS 6P
01803  000690     03 FILLER  PIC X(15)         VALUE '126S E11  E12  '.                                         DNM=77-056 BL=28 B60  0553  DS 15C
01804  000700     03 FILLER  PIC 9(10) COMP-3 VALUE  0200100000.                                                   DNM=77-070 BL=28 B6F  0568  DS 6P
01805  000710     03 FILLER  PIC X(15)         VALUE '8    AS28 A10  '.                                         DNM=77-084 BL=28 B75  0574  DS 15C
01806  000720     03 FILLER  PIC 9(10) COMP-3 VALUE  0200110000.                                                   DNM=77-098 BL=28 B84  0589  DS 6P
01807  000730     03 FILLER  PIC X(15)         VALUE '27S  135  AS16 '.                                         DNM=77-112 BL=28 B8A  0595  DS 15C
01808  000740     03 FILLER  PIC 9(10) COMP-3 VALUE  0200120000.                                                   DNM=77-126 BL=28 B99  0610  DS 6P
01809  000750     03 FILLER  PIC X(15)         VALUE '144  144S AS33 '.                                         DNM=77-140 BL=28 B9F  0616  DS 15C
01810  000760     03 FILLER  PIC 9(10) COMP-3 VALUE  0200130000.                                                   DNM=77-154 BL=28 BAE  0631  DS 6P
01811  000770     03 FILLER  PIC X(15)         VALUE '134  AS7  '.                                              DNM=77-168 BL=28 BB4  0637  DS 15C
01812  000780     03 FILLER  PIC 9(10) COMP-3 VALUE  0200140000.                                                   DNM=77-182 BL=28 BC3  0652  DS 6P
01813  000790     03 FILLER  PIC X(15)         VALUE '145  145S 5   '.                                          DNM=77-196 BL=28 BC9  0658  DS 15C
01814  000800     03 FILLER  PIC 9(10) COMP-3 VALUE  0200160000.                                                   DNM=77-210 BL=28 BD8  0673  DS 6P
01815  000810     03 FILLER  PIC X(15)         VALUE '131S 4    25   '.                                         DNM=77-224 BL=28 BDE  0679  DS 15C
01816  000820     03 FILLER  PIC 9(10) COMP-3 VALUE  0200170000.                                                   DNM=77-238 BL=28 BED  0694  DS 6P
01817  000830     03 FILLER  PIC X(15)         VALUE '125  125S 132  '.                                         DNM=77-252 BL=28 BF3  0700  DS 15C
01818  000840     03 FILLER  PIC 9(10) COMP-3 VALUE  0200180000.                                                   DNM=77-266 BL=28 C02  0715  DS 6P
01819  000850     03 FILLER  PIC X(15)         VALUE '146  147S 26   '.                                         DNM=77-280 BL=28 C08  0721  DS 15C
01820  000860     03 FILLER  PIC 9(10) COMP-3 VALUE  0201000000.                                                   DNM=77-294 BL=28 C17  0736  DS 6P
01821  000870     03 FILLER  PIC X(15)         VALUE '1S   2S   4    '.                                         DNM=77-308 BL=28 C1D  0742  DS 15C
01822  000880     03 FILLER  PIC 9(10) COMP-3 VALUE  0201020000.                                                   DNM=77-322 BL=28 C2C  0757  DS 6P
01823  000890     03 FILLER  PIC X(15)         VALUE '16   6    NR1  '.                                         DNM=77-336 BL=28 C32  0763  DS 15C
01824  000900     03 FILLER  PIC 9(10) COMP-3 VALUE  0201030000.                                                   DNM=77-350 BL=28 C41  0778  DS 6P
01825  000910     03 FILLER  PIC X(15)         VALUE '18   D16  '.                                              DNM=77-364 BL=28 C47  0784  DS 15C
```

```
01826  000920      03 FILLER  PIC 9(10) COMP-3 VALUE  0201040000.                    DNM=77-378  BL=28 C56  0799  DS 6P
01827  000930      03 FILLER  PIC X(15)         VALUE '15   D12       '.           DNM=77-392  BL=28 C5C  0805  DS 15C
01828  000940      03 FILLER  PIC 9(10) COMP-3 VALUE  0201050000.                    DNM=77-406  BL=28 C6B  0920  DS 6P
01829  000950      03 FILLER  PIC X(15)         VALUE '8    9         '.           DNM=77-420  BL=28 C71  0826  DS 15C
01830  000960      03 FILLER  PIC 9(10) COMP-3 VALUE  0201060000.                    DNM=77-434  BL=28 C80  0841  DS 6P
01831  000970      03 FILLER  PIC X(15)         VALUE '12         '.           DNM=77-448  BL=28 C86  0847  DS 15C
01832  000980      03 FILLER  PIC 9(10) COMP-3 VALUE  0201080000.                    DNM=77-462  BL=28 C95  0862  DS 6P
01833  000990      03 FILLER  PIC X(15)         VALUE '8    19        '.           DNM=77-476  BL=28 C9B  0868  DS 15C
01834  001000      03 FILLER  PIC 9(10) COMP-3 VALUE  0201090000.                    DNM=77-490  BL=28 CAA  0883  DS 6P
01835  001010      03 FILLER  PIC X(15)         VALUE '9    10   24   '.           DNM=78-000  BL=28 CB0  0889  DS 15C
01836  001020      03 FILLER  PIC 9(10) COMP-3 VALUE  0201100000.                    DNM=78-014  BL=28 CBF  0904  DS 6P
01837  001030      03 FILLER  PIC X(15)         VALUE '11   7    20   '.           DNM=78-028  BL=28 CC5  0910  DS 15C
01838  001040      03 FILLER  PIC 9(10) COMP-3 VALUE  0201120000.                    DNM=78-042  BL=28 CD4  0925  DS 6P
01839  001050      03 FILLER  PIC X(15)         VALUE '3    NR9  NR10 '.           DNM=78-056  BL=28 CDA  0931  DS 15C
01840  001060      03 FILLER  PIC 9(10) COMP-3 VALUE  0201120100.                    DNM=78-070  BL=28 CE9  0946  DS 6P
01841  001070      03 FILLER  PIC X(15)         VALUE '2          '.           DNM=78-084  BL=28 CEF  0952  DS 15C
01842  001080      03 FILLER  PIC 9(10) COMP-3 VALUE  0201120200.                    DNM=78-098  BL=28 CFE  0967  DS 6P
01843  001090      03 FILLER  PIC X(15)         VALUE '17         '.           DNM=78-112  BL=28 D04  0973  DS 15C
01844  001100      03 FILLER  PIC 9(10) COMP-3 VALUE  0201130000.                    DNM=78-126  BL=28 D13  0998  DS 6P
01845  001110      03 FILLER  PIC X(15)         VALUE '5          '.           DNM=78-140  BL=28 D19  0994  DS 15C
01846  001120      03 FILLER  PIC 9(10) COMP-3 VALUE  0201130100.                    DNM=78-154  BL=28 D28  1009  DS 6P
01847  001130      03 FILLER  PIC X(15)         VALUE '4          '.           DNM=78-168  BL=28 D2E  1015  DS 15C
01848  001140      03 FILLER  PIC 9(10) COMP-3 VALUE  0201140000.                    DNM=78-182  BL=28 D3D  1030  DS 6P
01849  001150      03 FILLER  PIC X(15)         VALUE '3          '.           DNM=78-196  BL=28 D43  1036  DS 15C
01850  001160      03 FILLER  PIC 9(10) COMP-3 VALUE  0201150000.                    DNM=78-210  BL=28 D52  1051  DS 6P
01851  001170      03 FILLER  PIC X(15)         VALUE '1          '.           DNM=78-224  BL=28 D58  1057  DS 15C
01852  001180      03 FILLER  PIC 9(10) COMP-3 VALUE  0201160000.                    DNM=78-238  BL=28 D67  1072  DS 6P
01853  001190      03 FILLER  PIC X(15)         VALUE '6          '.           DNM=78-252  BL=28 D6D  1078  DS 15C
01854  001200      03 FILLER  PIC 9(10) COMP-3 VALUE  0201170000.                    DNM=78-266  BL=28 D7C  1093  DS 6P
01855  001210      03 FILLER  PIC X(15)         VALUE '11         '.           DNM=78-280  BL=28 D82  1099  DS 15C
01856  001220      03 FILLER  PIC 9(10) COMP-3 VALUE  0201180000.                    DNM=78-294  BL=28 D91  1114  DS 6P
01857  001230      03 FILLER  PIC X(15)         VALUE '5    10        '.           DNM=78-308  BL=28 D97  1120  DS 15C
01858  001240      03 FILLER  PIC 9(10) COMP-3 VALUE  0201190000.                    DNM=78-322  BL=28 DA6  1135  DS 6P
01859  001250      03 FILLER  PIC X(15)         VALUE '14   D6        '.           DNM=78-336  BL=28 DAC  1141  DS 15C
01860  001260      03 FILLER  PIC 9(10) COMP-3 VALUE  0201200000.                    DNM=78-350  BL=28 DBB  1156  DS 6P
01861  001270      03 FILLER  PIC X(15)         VALUE '13   D5        '.           DNM=78-364  BL=28 DC1  1162  DS 15C
01862  001280      03 FILLER  PIC 9(10) COMP-3 VALUE  0202000000.                    DNM=78-378  BL=28 DD0  1177  DS 6P
01863  001290      03 FILLER  PIC X(15)         VALUE '14S  15S  16S  '.           DNM=78-392  BL=28 DD6  1183  DS 15C
01864  001300      03 FILLER  PIC 9(10) COMP-3 VALUE  0202010000.                    DNM=78-406  BL=28 DE5  1198  DS 6P
01865  001310      03 FILLER  PIC X(15)         VALUE '13   B12  B15  '.           DNM=78-420  BL=28 DEB  1204  DS 15C
01866  001320      03 FILLER  PIC 9(10) COMP-3 VALUE  0202020000.                    DNM=78-434  BL=28 DFA  1219  DS 6P
01867  001330      03 FILLER  PIC X(15)         VALUE '18         '.           DNM=78-448  BL=28 E00  1225  DS 15C
01868  001340      03 FILLER  PIC 9(10) COMP-3 VALUE  0202030000.                    DNM=78-462  BL=28 E0F  1240  DS 6P
01869  001350      03 FILLER  PIC X(15)         VALUE '17   21   B6   '.           DNM=78-476  BL=28 E15  1246  DS 15C
01870  001360      03 FILLER  PIC 9(10) COMP-3 VALUE  0202040000.                    DNM=78-490  BL=28 E24  1261  DS 6P
01871  001370      03 FILLER  PIC X(15)         VALUE '5    C1        '.           DNM=79-000  BL=28 E2A  1267  DS 15C
01872  001380      03 FILLER  PIC 9(10) COMP-3 VALUE  0202050000.                    DNM=79-014  BL=28 E39  1282  DS 6P
01873  001390      03 FILLER  PIC X(15)         VALUE '12   LF1  LF2  '.           DNM=79-028  BL=28 E3F  1288  DS 15C
01874  001400      03 FILLER  PIC 9(10) COMP-3 VALUE  0202060000.                    DNM=79-042  BL=28 E4E  1303  DS 6P
01875  001410      03 FILLER  PIC X(15)         VALUE '19   1    16   '.           DNM=79-056  BL=28 E54  1309  DS 15C
01876  001420      03 FILLER  PIC 9(10) COMP-3 VALUE  0202070000.                    DNM=79-070  BL=28 E63  1324  DS 6P
01877  001430      03 FILLER  PIC X(15)         VALUE '21         '.           DNM=79-084  BL=28 E69  1330  DS 15C
01878  001440      03 FILLER  PIC 9(10) COMP-3 VALUE  0202080000.                    DNM=79-098  BL=28 E78  1345  DS 6P
01879  001450      03 FILLER  PIC X(15)         VALUE '2    4    29   '.           DNM=79-112  BL=28 E7E  1351  DS 15C
```

```
01880  001460  03 FILLER  PIC 9(10) COMP-3 VALUE  0202090000.                    DNM=79-126  BL=28 E8D  1366  DS 6P
01881  001470  03 FILLER  PIC X(15)         VALUE '30              '.           DNM=79-140  BL=28 E93  1372  DS 15C
01882  001480  03 FILLER  PIC 9(10) COMP-3 VALUE  0202100000.                    DNM=79-154  BL=28 EA2  1387  DS 6P
01883  001490  03 FILLER  PIC X(15)         VALUE '10              '.           DNM=79-168  BL=28 EA8  1393  DS 15C
01884  001500  03 FILLER  PIC 9(10) COMP-3 VALUE  0202110000.                    DNM=79-182  BL=28 EB7  1408  DS 6P
01885  001510  03 FILLER  PIC X(15)         VALUE '8               '.           DNM=79-196  BL=28 EBD  1414  DS 15C
01886  001520  03 FILLER  PIC 9(10) COMP-3 VALUE  0202120000.                    DNM=79-210  BL=28 ECC  1429  DS 6P
01887  001530  03 FILLER  PIC X(15)         VALUE '9               '.           DNM=79-224  BL=28 ED2  1435  DS 15C
01888  001540  03 FILLER  PIC 9(10) COMP-3 VALUE  0202140000.                    DNM=79-238  BL=28 EE1  1450  DS 6P
01889  001550  03 FILLER  PIC X(15)         VALUE '6   C6   24     '.           DNM=79-252  BL=28 EE7  1456  DS 15C
01890  001560  03 FILLER  PIC 9(10) COMP-3 VALUE  0202150000.                    DNM=79-266  BL=28 EF6  1471  DS 6P
01891  001570  03 FILLER  PIC X(15)         VALUE '19  20          '.           DNM=79-280  BL=28 EFC  1477  DS 15C
01892  001580  03 FILLER  PIC 9(10) COMP-3 VALUE  0203000000.                    DNM=79-294  BL=28 F08  1492  DS 6P
01893  001590  03 FILLER  PIC X(15)         VALUE '26  25  8F2     '.           DNM=79-308  BL=28 F11  1498  DS 15C
01894  001600  03 FILLER  PIC 9(10) COMP-3 VALUE  0203010000.                    DNM=79-322  BL=28 F20  1513  DS 6P
01895  001610  03 FILLER  PIC X(15)         VALUE '14              '.           DNM=79-336  BL=28 F26  1519  DS 15C
01896  001620  03 FILLER  PIC 9(10) COMP-3 VALUE  0203020000.                    DNM=79-350  BL=28 F35  1534  DS 6P
01897  001630  03 FILLER  PIC X(15)         VALUE '15              '.           DNM=79-364  BL=28 F3B  1540  DS 15C
01898  001640  03 FILLER  PIC 9(10) COMP-3 VALUE  0204000000.                    DNM=79-378  BL=28 F4A  1555  DS 6P
01899  001650  03 FILLER  PIC X(15)         VALUE '27S 29  32S     '.           DNM=79-392  BL=28 F50  1561  DS 15C
01900  001660  03 FILLER  PIC 9(10) COMP-3 VALUE  0204010000.                    DNM=79-406  BL=28 F5F  1576  DS 6P
01901  001670  03 FILLER  PIC X(15)         VALUE '31  2   30      '.           DNM=79-420  BL=28 F65  1582  DS 15C
01902  001680  03 FILLER  PIC 9(10) COMP-3 VALUE  0204020000.                    DNM=79-434  BL=28 F74  1597  DS 6P
01903  001690  03 FILLER  PIC X(15)         VALUE '5   A1          '.           DNM=79-448  BL=28 F7A  1603  DS 15C
01904  001700  03 FILLER  PIC 9(10) COMP-3 VALUE  0204030000.                    DNM=79-462  BL=28 F89  1618  DS 6P
01905  001710  03 FILLER  PIC X(15)         VALUE '4   A4  A6      '.           DNM=79-476  BL=28 F8F  1624  DS 15C
01906  001720  03 FILLER  PIC 9(10) COMP-3 VALUE  0205000000.                    DNM=79-490  BL=28 F9E  1639  DS 6P
01907  001730  03 FILLER  PIC X(15)         VALUE '33S 34S 35      '.           DNM=80-000  BL=28 FA4  1645  DS 15C
01908  001740  03 FILLER  PIC 9(10) COMP-3 VALUE  0205010000.                    DNM=80-014  BL=28 FB3  1660  DS 6P
01909  001750  03 FILLER  PIC X(15)         VALUE '12              '.           DNM=80-028  BL=28 FB9  1666  DS 15C
01910  001760  03 FILLER  PIC 9(10) COMP-3 VALUE  0205030000.                    DNM=80-042  BL=28 FC8  1681  DS 6P
01911  001770  03 FILLER  PIC X(15)         VALUE '2   16  18      '.           DNM=80-056  BL=28 FCE  1687  DS 15C
01912  001780  03 FILLER  PIC 9(10) COMP-3 VALUE  0205040000.                    DNM=80-070  BL=28 FDD  1702  DS 6P
01913  001790  03 FILLER  PIC X(15)         VALUE '4   7   9       '.           DNM=80-084  BL=28 FE3  1708  DS 15C
01914  001800  03 FILLER  PIC 9(10) COMP-3 VALUE  0205050000.                    DNM=80-098  BL=28 FF2  1723  DS 6P
01915  001810  03 FILLER  PIC X(15)         VALUE '1   6   23      '.           DNM=80-112  BL=28 FF8  1729  DS 15C
01916  001820  03 FILLER  PIC 9(10) COMP-3 VALUE  0205060000.                    DNM=80-126  BL=29 007  1744  DS 6P
01917  001830  03 FILLER  PIC X(15)         VALUE '10  11  17      '.           DNM=80-140  BL=29 00D  1750  DS 15C
01918  001840  03 FILLER  PIC 9(10) COMP-3 VALUE  0205070000.                    DNM=80-154  BL=29 01C  1765  DS 6P
01919  001850  03 FILLER  PIC X(15)         VALUE '21              '.           DNM=80-168  BL=29 022  1771  DS 15C
01920  001860  03 FILLER  PIC 9(10) COMP-3 VALUE  0205080000.                    DNM=80-182  BL=29 031  1786  DS 6P
01921  001870  03 FILLER  PIC X(15)         VALUE '22              '.           DNM=80-196  BL=29 037  1792  DS 15C
01922  001880  03 FILLER  PIC 9(10) COMP-3 VALUE  0206000000.                    DNM=80-210  BL=29 046  1807  DS 6P
01923  001890  03 FILLER  PIC X(15)         VALUE '39S 41  40      '.           DNM=80-224  BL=29 04C  1813  DS 15C
01924  001900  03 FILLER  PIC 9(10) COMP-3 VALUE  0206010000.                    DNM=80-238  BL=29 05B  1828  DS 6P
01925  001910  03 FILLER  PIC X(15)         VALUE '4   45  44      '.           DNM=80-252  BL=29 061  1834  DS 15C
01926  001920  03 FILLER  PIC 9(10) COMP-3 VALUE  0206020000.                    DNM=80-266  BL=29 070  1849  DS 6P
01927  001930  03 FILLER  PIC X(15)         VALUE '2   6   8       '.           DNM=80-280  BL=29 076  1855  DS 15C
01928  001940  03 FILLER  PIC 9(10) COMP-3 VALUE  0206030000.                    DNM=80-294  BL=29 085  1870  DS 6P
01929  001950  03 FILLER  PIC X(15)         VALUE '3   5   7       '.           DNM=80-308  BL=29 08B  1876  DS 15C
01930  001960  03 FILLER  PIC 9(10) COMP-3 VALUE  0206040000.                    DNM=80-322  BL=29 09A  1891  DS 6P
01931  001970  03 FILLER  PIC X(15)         VALUE '1   42  11      '.           DNM=80-336  BL=29 0A0  1897  DS 15C
01932  001980  03 FILLER  PIC 9(10) COMP-3 VALUE  0207000000.                    DNM=80-350  BL=29 0AF  1912  DS 6P
01933  001990  03 FILLER  PIC X(15)         VALUE '49  50  29      '.           DNM=80-364  BL=29 0B5  1918  DS 15C
```

```
01934  002000     03 FILLER  PIC 9(10) COMP-3 VALUE  0207010000.                    DNM=80-378  BL=29 0C4  1933  DS 6P
01935  002010     03 FILLER  PIC X(15)        VALUE '1   4   5   '.               DNM=80-392  BL=29 0CA  1939  DS 15C
01936  002020     03 FILLER  PIC 9(10) COMP-3 VALUE  0207020000.                    DNM=80-406  BL=29 0D9  1954  DS 6P
01937  002030     03 FILLER  PIC X(15)        VALUE '2   3   6   '.               DNM=80-420  BL=29 0DF  1960  DS 15C
01938  002040     03 FILLER  PIC 9(10) COMP-3 VALUE  0207030000.                    DNM=80-434  BL=29 0EE  1975  DS 6P
01939  002050     03 FILLER  PIC X(15)        VALUE '7   '.                       DNM=80-448  BL=29 0F4  1981  DS 15C
01940  002060     03 FILLER  PIC 9(10) COMP-3 VALUE  0208000100.                    DNM=80-462  BL=29 103  1996  DS 6P
01941  002070     03 FILLER  PIC X(15)        VALUE '46S 54  12  '.               DNM=80-476  BL=29 109  2002  DS 15C
01942  002080     03 FILLER  PIC 9(10) COMP-3 VALUE  0208000200.                    DNM=80-490  BL=29 118  2017  DS 6P
01943  002090     03 FILLER  PIC X(15)        VALUE '47S 07031NA04 '.             DNM=81-000  BL=29 11E  2023  DS 15C
01944  002100     03 FILLER  PIC 9(10) COMP-3 VALUE  0208000300.                    DNM=81-014  BL=29 12D  2038  DS 6P
01945  002110     03 FILLER  PIC X(15)        VALUE '19  56  57  '.               DNM=81-028  BL=29 133  2044  DS 15C
01946  002120     03 FILLER  PIC 9(10) COMP-3 VALUE  0208000400.                    DNM=81-042  BL=29 142  2059  DS 6P
01947  002130     03 FILLER  PIC X(15)        VALUE '42  CR18 CR19 '.             DNM=81-056  BL=29 148  2065  DS 15C
01948  002140     03 FILLER  PIC 9(10) COMP-3 VALUE  0208000500.                    DNM=81-070  BL=29 157  2080  DS 6P
01949  002150     03 FILLER  PIC X(15)        VALUE '48S 66  NA36 '.              DNM=81-084  BL=29 15D  2086  DS 15C
01950  002160     03 FILLER  PIC 9(10) COMP-3 VALUE  0208000600.                    DNM=81-098  BL=29 16C  2101  DS 6P
01951  002170     03 FILLER  PIC X(15)        VALUE '70  CR25 CR26 '.             DNM=81-112  BL=29 172  2107  DS 15C
01952  002180     03 FILLER  PIC 9(10) COMP-3 VALUE  0208010000.                    DNM=81-126  BL=29 181  2122  DS 6P
01953  002190     03 FILLER  PIC X(15)        VALUE '1   16  55  '.               DNM=81-140  BL=29 187  2128  DS 15C
01954  002200     03 FILLER  PIC 9(10) COMP-3 VALUE  0208020000.                    DNM=81-154  BL=29 196  2143  DS 6P
01955  002210     03 FILLER  PIC X(15)        VALUE '2   '.                       DNM=81-168  BL=29 19C  2149  DS 15C
01956  002220     03 FILLER  PIC 9(10) COMP-3 VALUE  0208040000.                    DNM=81-182  BL=29 1AB  2164  DS 6P
01957  002230     03 FILLER  PIC X(15)        VALUE '13  3   W1  '.               DNM=81-196  BL=29 1B1  2170  DS 15C
01958  002240     03 FILLER  PIC 9(10) COMP-3 VALUE  0208040100.                    DNM=81-210  BL=29 1C0  2185  DS 6P
01959  002250     03 FILLER  PIC X(15)        VALUE '8   T1  '.                   DNM=81-224  BL=29 1C6  2191  DS 15C
01960  002260     03 FILLER  PIC 9(10) COMP-3 VALUE  0208050000.                    DNM=81-238  BL=29 1D5  2206  DS 6P
01961  002270     03 FILLER  PIC X(15)        VALUE '5   9   4   '.               DNM=81-252  BL=29 1DB  2212  DS 15C
01962  002280     03 FILLER  PIC 9(10) COMP-3 VALUE  0208060000.                    DNM=81-266  BL=29 1EA  2227  DS 6P
01963  002290     03 FILLER  PIC X(15)        VALUE '22  53  61  '.               DNM=81-280  BL=29 1F0  2233  DS 15C
01964  002300     03 FILLER  PIC 9(10) COMP-3 VALUE  0208060100.                    DNM=81-294  BL=29 1FF  2248  DS 6P
01965  002310     03 FILLER  PIC X(15)        VALUE '7   '.                       DNM=81-308  BL=29 205  2254  DS 15C
01966  002320     03 FILLER  PIC 9(10) COMP-3 VALUE  0208060200.                    DNM=81-322  BL=29 214  2269  DS 6P
01967  002330     03 FILLER  PIC X(15)        VALUE '11  '.                       DNM=81-336  BL=29 21A  2275  DS 15C
01968  002340     03 FILLER  PIC 9(10) COMP-3 VALUE  0208080000.                    DNM=81-350  BL=29 229  2290  DS 6P
01969  002350     03 FILLER  PIC X(15)        VALUE '23  M1  '.                   DNM=81-364  BL=29 22F  2296  DS 15C
01970  002360     03 FILLER  PIC 9(10) COMP-3 VALUE  0208100000.                    DNM=81-378  BL=29 23E  2311  DS 6P
01971  002370     03 FILLER  PIC X(15)        VALUE '24  '.                       DNM=81-392  BL=29 244  2317  DS 15C
01972  002380     03 FILLER  PIC 9(10) COMP-3 VALUE  0208100100.                    DNM=81-406  BL=29 253  2332  DS 6P
01973  002390     03 FILLER  PIC X(15)        VALUE '12  '.                       DNM=81-420  BL=29 259  2338  DS 15C
01974  002400     03 FILLER  PIC 9(10) COMP-3 VALUE  0208120000.                    DNM=81-434  BL=29 268  2353  DS 6P
01975  002410     03 FILLER  PIC X(15)        VALUE 'N1  N2  N3  '.               DNM=81-448  BL=29 26E  2359  DS 15C
01976  002420     03 FILLER  PIC 9(10) COMP-3 VALUE  0208140000.                    DNM=81-462  BL=29 27D  2374  DS 6P
01977  002430     03 FILLER  PIC X(15)        VALUE '9   20  62  '.               DNM=81-476  BL=29 283  2380  DS 15C
01978  002440     03 FILLER  PIC 9(10) COMP-3 VALUE  0208140100.                    DNM=81-490  BL=29 292  2395  DS 6P
01979  002450     03 FILLER  PIC X(15)        VALUE '6   17  64  '.               DNM=82-000  BL=29 298  2401  DS 15C
01980  002460     03 FILLER  PIC 9(10) COMP-3 VALUE  0208140200.                    DNM=82-014  BL=29 2A7  2416  DS 6P
01981  002470     03 FILLER  PIC X(15)        VALUE '18  '.                       DNM=82-028  BL=29 2AD  2422  DS 15C
01982  002480     03 FILLER  PIC 9(10) COMP-3 VALUE  0208190000.                    DNM=82-042  BL=29 2BC  2437  DS 6P
01983  002490     03 FILLER  PIC X(15)        VALUE '68S 68  3   '.               DNM=82-056  BL=29 2C2  2443  DS 15C
01984  002500     03 FILLER  PIC 9(10) COMP-3 VALUE  0208190100.                    DNM=82-070  BL=29 2D1  2458  DS 6P
01985  002510     03 FILLER  PIC X(15)        VALUE '1   11  13  '.               DNM=82-084  BL=29 2D7  2464  DS 15C
01986  002520     03 FILLER  PIC 9(10) COMP-3 VALUE  0208190101.                    DNM=82-098  BL=29 2E6  2479  DS 6P
01987  002530     03 FILLER  PIC X(15)        VALUE '12  '.                       DNM=82-112  BL=29 2EC  2485  DS 15C
```

```
                                                                                                                    INT NAME   BASE  DISP RLOI  DEFINITION
01988  002540    03 FILLER  PIC 9(10) COMP-3 VALUE  0208190102.                                                    DNM=82-126 BL=29 2FB  2500  DS 6P
01989  002550    03 FILLER  PIC X(15)         VALUE '14              '.                                           DNM=82-140 BL=29 301  2506  DS 15C
01990  002560    03 FILLER  PIC 9(10) COMP-3 VALUE  0208190103.                                                    DNM=82-154 BL=29 310  2521  DS 6P
01991  002570    03 FILLER  PIC X(15)         VALUE '15              '.                                           DNM=82-168 BL=29 316  2527  DS 15C
01992  002580    03 FILLER  PIC 9(10) COMP-3 VALUE  0208190200.                                                    DNM=82-182 BL=29 325  2542  DS 6P
01993  002590    03 FILLER  PIC X(15)         VALUE '6    7    8     '.                                           DNM=82-196 BL=29 329  2548  DS 15C
01994  002600    03 FILLER  PIC 9(10) COMP-3 VALUE  0208190201.                                                    DNM=82-210 BL=29 33A  2563  DS 6P
01995  002610    03 FILLER  PIC X(15)         VALUE '10              '.                                           DNM=82-224 BL=29 340  2569  DS 15C
01996  002620    03 FILLER  PIC 9(10) COMP-3 VALUE  0208190300.                                                    DNM=82-238 BL=29 34F  2584  DS 6P
01997  002630    03 FILLER  PIC X(15)         VALUE '2               '.                                           DNM=82-252 BL=29 355  2590  DS 15C
01998  002640    03 FILLER  PIC 9(10) COMP-3 VALUE  0208200000.                                                    DNM=82-266 BL=29 364  2605  DS 6P
01999  002650    03 FILLER  PIC X(15)         VALUE '5    52   53    '.                                           DNM=82-280 BL=29 36A  2611  DS 15C
02000  002660    03 FILLER  PIC 9(10) COMP-3 VALUE  0208200100.                                                    DNM=82-294 BL=29 379  2626  DS 6P
02001  002670    03 FILLER  PIC X(15)         VALUE '14              '.                                           DNM=82-308 BL=29 37F  2632  DS 15C
02002  002680    03 FILLER  PIC 9(10) COMP-3 VALUE  0208200200.                                                    DNM=82-322 BL=29 38E  2647  DS 6P
02003  002690    03 FILLER  PIC X(15)         VALUE '15              '.                                           DNM=82-336 BL=29 394  2653  DS 15C
02004  002700    03 FILLER  PIC 9(10) COMP-3 VALUE  0208210000.                                                    DNM=82-350 BL=29 3A3  2668  DS 6P
02005  002710    03 FILLER  PIC X(15)         VALUE '10              '.                                           DNM=82-364 BL=29 3A9  2674  DS 15C
02006  002720    03 FILLER  PIC 9(10) COMP-3 VALUE  0208220000.                                                    DNM=82-378 BL=29 3B8  2689  DS 6P
02007  002730    03 FILLER  PIC X(15)         VALUE '21              '.                                           DNM=82-392 BL=29 3BE  2695  DS 15C
02008  002740    03 FILLER  PIC 9(10) COMP-3 VALUE  0208230000.                                                    DNM=82-406 BL=29 3CD  2710  DS 6P
02009  002750    03 FILLER  PIC X(15)         VALUE '01   02   03    '.                                           DNM=82-420 BL=29 3D3  2716  DS 15C
02010  002760    03 FILLER  PIC 9(10) COMP-3 VALUE  0208240000.                                                    DNM=82-434 BL=29 3E2  2731  DS 6P
02011  002770    03 FILLER  PIC X(15)         VALUE 'P1   P2   P3    '.                                           DNM=82-448 BL=29 3E8  2737  DS 15C
02012  002780    03 FILLER  PIC 9(10) COMP-3 VALUE  0208250000.                                                    DNM=82-462 BL=29 3F7  2752  DS 6P
02013  002790    03 FILLER  PIC X(15)         VALUE '19              '.                                           DNM=82-476 BL=29 3FD  2758  DS 15C
02014  002800    03 FILLER  PIC 9(10) COMP-3 VALUE  0209000000.                                                    DNM=82-490 BL=29 40C  2773  DS 6P
02015  002810    03 FILLER  PIC X(15)         VALUE 'I28S AS2I AS23A'.                                           DNM=83-000 BL=29 412  2779  DS 15C
02016  002820    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010000.                                                    DNM=83-014 BL=29 421  2794  DS 6P
02017  002830    03 FILLER  PIC X(15)         VALUE '72   74   4     '.                                           DNM=83-028 BL=29 427  2800  DS 15C
02018  002840    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010100.                                                    DNM=83-042 BL=29 436  2815  DS 6P
02019  002850    03 FILLER  PIC X(15)         VALUE 'CCI             '.                                           DNM=83-056 BL=29 43C  2821  DS 15C
02020  002860    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010200.                                                    DNM=83-070 BL=29 44B  2836  DS 6P
02021  002870    03 FILLER  PIC X(15)         VALUE 'BC1  BC2  BC3   '.                                           DNM=83-084 BL=29 451  2842  DS 15C
02022  002880    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010300.                                                    DNM=83-098 BL=29 460  2857  DS 6P
02023  002890    03 FILLER  PIC X(15)         VALUE 'G1   G2   9     '.                                           DNM=83-112 BL=29 466  2863  DS 15C
02024  002900    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010400.                                                    DNM=83-126 BL=29 475  2878  DS 6P
02025  002910    03 FILLER  PIC X(15)         VALUE '1    1A     '.                                           DNM=83-140 BL=29 47B  2884  DS 15C
02026  002920    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010500.                                                    DNM=83-154 BL=29 48A  2899  DS 6P
02027  002930    03 FILLER  PIC X(15)         VALUE '3    3A     '.                                           DNM=83-168 BL=29 490  2905  DS 15C
02028  002940    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010600.                                                    DNM=83-182 BL=29 49F  2920  DS 6P
02029  002950    03 FILLER  PIC X(15)         VALUE '5    13     '.                                           DNM=83-196 BL=29 4A5  2926  DS 15C
02030  002960    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010700.                                                    DNM=83-210 BL=29 4B4  2941  DS 6P
02031  002970    03 FILLER  PIC X(15)         VALUE '6               '.                                           DNM=83-224 BL=29 4BA  2947  DS 15C
02032  002980    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010800.                                                    DNM=83-238 BL=29 4C9  2962  DS 6P
02033  002990    03 FILLER  PIC X(15)         VALUE '8               '.                                           DNM=83-252 BL=29 4CF  2968  DS 15C
02034  003000    03 FILLER  PIC 9(10) COMP-3 VALUE  0209010900.                                                    DNM=83-266 BL=29 4DE  2983  DS 6P
02035  003010    03 FILLER  PIC X(15)         VALUE '7               '.                                           DNM=83-280 BL=29 4E4  2989  DS 15C
02036  003020    03 FILLER  PIC 9(10) COMP-3 VALUE  0209020000.                                                    DNM=83-294 BL=29 4F3  3004  DS 6P
02037  003030    03 FILLER  PIC X(15)         VALUE '77   MR2       '.                                           DNM=83-308 BL=29 4F9  3010  DS 15C
02038  003040    03 FILLER  PIC 9(10) COMP-3 VALUE  0209030000.                                                    DNM=83-322 BL=29 508  3025  DS 6P
02039  003050    03 FILLER  PIC X(15)         VALUE 'E1              '.                                           DNM=83-336 BL=29 50E  3031  DS 15C
02040  003060    03 FILLER  PIC 9(10) COMP-3 VALUE  0210000100.                                                    DNM=83-350 BL=29 51D  3046  DS 6P
02041  003070    03 FILLER  PIC X(15)         VALUE '76   78   RR1   '.                                           DNM=83-364 BL=29 523  3052  DS 15C
```

```
                                                                                                                INT NAME   BASE  DISP RL01  DEFINITION
02042  003080     03 FILLER  PIC 9(10) COMP-3 VALUE  0210000200.                                                DNM=83-378 BL=29 532  3067  DS 6P
02043  003090     03 FILLER  PIC X(15)        VALUE '79   81   82   '.                                          DNM=83-392 BL=29 538  3073  DS 15C
02044  003100     03 FILLER  PIC 9(10) COMP-3 VALUE  0210000300.                                                DNM=83-406 BL=29 547  3088  DS 6P
02045  003110     03 FILLER  PIC X(15)        VALUE '83   40   RR23 '.                                          DNM=83-420 BL=29 54D  3094  DS 15C
02046  003120     03 FILLER  PIC 9(10) COMP-3 VALUE  0210000400.                                                DNM=83-434 BL=29 55C  3109  DS 6P
02047  003130     03 FILLER  PIC X(15)        VALUE 'RR27 RR28 RR29 '.                                        DNM=83-448 BL=29 562  3115  DS 15C
02048  003140     03 FILLER  PIC 9(10) COMP-3 VALUE  0210000500.                                                DNM=83-462 BL=29 571  3130  DS 6P
02049  003150     03 FILLER  PIC X(15)        VALUE 'RR20 RR18 RR19 '.                                        DNM=83-476 BL=29 577  3136  DS 15C
02050  003160     03 FILLER  PIC 9(10) COMP-3 VALUE  0210010000.                                                DNM=83-490 BL=29 586  3151  DS 6P
02051  003170     03 FILLER  PIC X(15)        VALUE '76   CC1  CC2  '.                                         DNM=84-000 BL=29 58C  3157  DS 15C
02052  003180     03 FILLER  PIC 9(10) COMP-3 VALUE  0210020000.                                                DNM=84-014 BL=29 598  3172  DS 6P
02053  003190     03 FILLER  PIC X(15)        VALUE '1    31   33   '.                                          DNM=84-028 BL=29 5A1  3178  DS 15C
02054  003200     03 FILLER  PIC 9(10) COMP-3 VALUE  0210030000.                                                DNM=84-042 BL=29 5B0  3193  DS 6P
02055  003210     03 FILLER  PIC X(15)        VALUE '2    34   6    '.                                          DNM=84-056 BL=29 5B6  3199  DS 15C
02056  003220     03 FILLER  PIC 9(10) COMP-3 VALUE  0210040000.                                                DNM=84-070 BL=29 5C5  3214  DS 6P
02057  003230     03 FILLER  PIC X(15)        VALUE '27   '.                                                  DNM=84-084 BL=29 5CB  3220  DS 15C
02058  003240     03 FILLER  PIC 9(10) COMP-3 VALUE  0210050000.                                                DNM=84-098 BL=29 5DA  3235  DS 6P
02059  003250     03 FILLER  PIC X(15)        VALUE 'RR5  RR6  RR7  '.                                        DNM=84-112 BL=29 5E0  3241  DS 15C
02060  003260     03 FILLER  PIC 9(10) COMP-3 VALUE  0210050100.                                                DNM=84-126 BL=29 5EF  3256  DS 6P
02061  003270     03 FILLER  PIC X(15)        VALUE '28   80   '.                                              DNM=84-140 BL=29 5F5  3262  DS 15C
02062  003280     03 FILLER  PIC 9(10) COMP-3 VALUE  0210070000.                                                DNM=84-154 BL=29 604  3277  DS 6P
02063  003290     03 FILLER  PIC X(15)        VALUE '26   1    2    '.                                         DNM=84-168 BL=29 60A  3283  DS 15C
02064  003300     03 FILLER  PIC 9(10) COMP-3 VALUE  0210080000.                                                DNM=84-182 BL=29 619  3298  DS 6P
02065  003310     03 FILLER  PIC X(15)        VALUE 'RR12 RR13 RR11 '.                                        DNM=84-196 BL=29 61F  3304  DS 15C
02066  003320     03 FILLER  PIC 9(10) COMP-3 VALUE  0210080100.                                                DNM=84-210 BL=29 62E  3319  DS 6P
02067  003330     03 FILLER  PIC X(15)        VALUE '7    '.                                                  DNM=84-224 BL=29 634  3325  DS 15C
02068  003340     03 FILLER  PIC 9(10) COMP-3 VALUE  0210100000.                                                DNM=84-238 BL=29 643  3340  DS 6P
02069  003350     03 FILLER  PIC X(15)        VALUE '3    80   '.                                              DNM=84-252 BL=29 649  3346  DS 15C
02070  003360     03 FILLER  PIC 9(10) COMP-3 VALUE  0210110100.                                                DNM=84-266 BL=29 658  3361  DS 6P
02071  003370     03 FILLER  PIC X(15)        VALUE '32   1    '.                                              DNM=84-280 BL=29 65E  3367  DS 15C
02072  003380     03 FILLER  PIC 9(10) COMP-3 VALUE  0210110200.                                                DNM=84-294 BL=29 660  3382  DS 6P
02073  003390     03 FILLER  PIC X(15)        VALUE '22   '.                                                  DNM=84-308 BL=29 673  3388  DS 15C
02074  003400     03 FILLER  PIC 9(10) COMP-3 VALUE  0210120000.                                                DNM=84-322 BL=29 682  3403  DS 6P
02075  003410     03 FILLER  PIC X(15)        VALUE '21   44   45   '.                                         DNM=84-336 BL=29 688  3409  DS 15C
02076  003420     03 FILLER  PIC 9(10) COMP-3 VALUE  0210150000.                                                DNM=84-350 BL=29 697  3424  DS 6P
02077  003430     03 FILLER  PIC X(15)        VALUE '29   11   '.                                              DNM=84-364 BL=29 69D  3430  DS 15C
02078  003440     03 FILLER  PIC 9(10) COMP-3 VALUE  0210160000.                                                DNM=84-378 BL=29 6AC  3445  DS 6P
02079  003450     03 FILLER  PIC X(15)        VALUE '30   '.                                                  DNM=84-392 BL=29 6B2  3451  DS 15C
02080  003460     03 FILLER  PIC 9(10) COMP-3 VALUE  0210170000.                                                DNM=84-406 BL=29 6C1  3466  DS 6P
02081  003470     03 FILLER  PIC X(15)        VALUE '9    '.                                                  DNM=84-420 BL=29 6C7  3472  DS 15C
02082  003480     03 FILLER  PIC 9(10) COMP-3 VALUE  0210180000.                                                DNM=84-434 BL=29 6D6  3487  DS 6P
02083  003490     03 FILLER  PIC X(15)        VALUE '10   '.                                                  DNM=84-448 BL=29 6DC  3493  DS 15C
02084  003500     03 FILLER  PIC 9(10) COMP-3 VALUE  0210190000.                                                DNM=84-462 BL=29 6EB  3508  DS 6P
02085  003510     03 FILLER  PIC X(15)        VALUE '12   '.                                                  DNM=84-476 BL=29 6F1  3514  DS 15C
02086  003520     03 FILLER  PIC 9(10) COMP-3 VALUE  0210200000.                                                DNM=84-490 BL=29 700  3529  DS 6P
02087  003530     03 FILLER  PIC X(15)        VALUE '14   '.                                                  DNM=85-000 BL=29 706  3535  DS 15C
02088  003540     03 FILLER  PIC 9(10) COMP-3 VALUE  0210210000.                                                DNM=85-014 BL=29 715  3550  DS 6P
02089  003550     03 FILLER  PIC X(15)        VALUE '15   '.                                                  DNM=85-028 BL=29 71B  3556  DS 15C
02090  003560     03 FILLER  PIC 9(10) COMP-3 VALUE  0210220000.                                                DNM=85-042 BL=29 72A  3571  DS 6P
02091  003570     03 FILLER  PIC X(15)        VALUE '16   '.                                                  DNM=85-056 BL=29 730  3577  DS 15C
02092  003580     03 FILLER  PIC 9(10) COMP-3 VALUE  0210230000.                                                DNM=85-070 BL=29 73F  3592  DS 6P
02093  003590     03 FILLER  PIC X(15)        VALUE '17   '.                                                  DNM=85-084 BL=29 745  3598  DS 15C
02094  003600     03 FILLER  PIC 9(10) COMP-3 VALUE  0210240000.                                                DNM=85-098 BL=29 754  3613  DS 6P
02095  003610     03 FILLER  PIC X(15)        VALUE '18   '.                                                  DNM=85-112 BL=29 75A  3619  DS 15C
```

```
                                                                                                                    INT NAME   BASE  DISP RL01  DEFINITION
02096  003620     03 FILLER  PIC 9(10) COMP-3 VALUE  0210250000.                                                   DNM=85-126 BL=29 769  3634  DS 6P
02097  003630     03 FILLER  PIC X(15)        VALUE '19          '.                                               DNM=85-140 BL=29 76F  3640  DS 15C
02098  003640     03 FILLER  PIC 9(10) COMP-3 VALUE  0210260000.                                                   DNM=85-154 BL=29 77E  3655  DS 6P
02099  003650     03 FILLER  PIC X(15)        VALUE '8           '.                                               DNM=85-168 BL=29 784  3661  DS 15C
02100  003660     03 FILLER  PIC 9(10) COMP-3 VALUE  0210270000.                                                   DNM=85-182 BL=29 793  3676  DS 6P
02101  003670     03 FILLER  PIC X(15)        VALUE '13          '.                                               DNM=85-196 BL=29 799  3682  DS 15C
02102  003680     03 FILLER  PIC 9(10) COMP-3 VALUE  0212000000.                                                   DNM=85-210 BL=29 7A8  3697  DS 6P
02103  003690     03 FILLER  PIC X(15)        VALUE 'M4  5D2 5D3 '.                                               DNM=85-224 BL=29 7AE  3703  DS 15C
02104  003700     03 FILLER  PIC 9(10) COMP-3 VALUE  0212010000.                                                   DNM=85-238 BL=29 7BD  3718  DS 6P
02105  003710     03 FILLER  PIC X(15)        VALUE 'M1          '.                                               DNM=85-252 BL=29 7C3  3724  DS 15C
02106  003720     03 FILLER  PIC 9(10) COMP-3 VALUE  0212020000.                                                   DNM=85-266 BL=29 7D2  3739  DS 6P
02107  003730     03 FILLER  PIC X(15)        VALUE 'M3          '.                                               DNM=85-280 BL=29 7D8  3745  DS 15C
02108  003740     03 FILLER  PIC 9(10) COMP-3 VALUE  0212030000.                                                   DNM=85-294 BL=29 7E7  3760  DS 6P
02109  003750     03 FILLER  PIC X(15)        VALUE 'M2  5D1 25  '.                                               DNM=85-308 BL=29 7ED  3766  DS 15C
02110  003760     03 FILLER  PIC 9(10) COMP-3 VALUE  0213000000.                                                   DNM=85-322 BL=29 7FC  3781  DS 6P
02111  003770     03 FILLER  PIC X(15)        VALUE '85S 10  J4  '.                                               DNM=85-336 BL=29 802  3787  DS 15C
02112  003780     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010000.                                                   DNM=85-350 BL=29 811  3802  DS 6P
02113  003790     03 FILLER  PIC X(15)        VALUE '84  86  87  '.                                               DNM=85-364 BL=29 817  3808  DS 15C
02114  003800     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010300.                                                   DNM=85-378 BL=29 826  3823  DS 6P
02115  003810     03 FILLER  PIC X(15)        VALUE '2   406     '.                                               DNM=85-392 BL=29 82C  3829  DS 15C
02116  003820     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010400.                                                   DNM=85-406 BL=29 83B  3844  DS 6P
02117  003830     03 FILLER  PIC X(15)        VALUE '11  23  4D2 '.                                               DNM=85-420 BL=29 841  3850  DS 15C
02118  003840     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010500.                                                   DNM=85-434 BL=29 850  3865  DS 6P
02119  003850     03 FILLER  PIC X(15)        VALUE '7   17      '.                                               DNM=85-448 BL=29 856  3871  DS 15C
02120  003860     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010502.                                                   DNM=85-462 BL=29 865  3886  DS 6P
02121  003870     03 FILLER  PIC X(15)        VALUE '6   31  34  '.                                               DNM=85-476 BL=29 86B  3892  DS 15C
02122  003880     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010503.                                                   DNM=85-490 BL=29 87A  3907  DS 6P
02123  003890     03 FILLER  PIC X(15)        VALUE '37          '.                                               DNM=86-000 BL=29 880  3913  DS 15C
02124  003900     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010504.                                                   DNM=86-014 BL=29 88F  3928  DS 6P
02125  003910     03 FILLER  PIC X(15)        VALUE '6501 6502 7601 '.                                            DNM=86-028 BL=29 895  3934  DS 15C
02126  003920     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010600.                                                   DNM=86-042 BL=29 8A4  3949  DS 6P
02127  003930     03 FILLER  PIC X(15)        VALUE '33          '.                                               DNM=86-056 BL=29 8AA  3955  DS 15C
02128  003940     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010700.                                                   DNM=86-070 BL=29 8B9  3970  DS 6P
02129  003950     03 FILLER  PIC X(15)        VALUE '4D7         '.                                               DNM=86-084 BL=29 8BF  3976  DS 15C
02130  003960     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010800.                                                   DNM=86-098 BL=29 8CE  3991  DS 6P
02131  003970     03 FILLER  PIC X(15)        VALUE '32          '.                                               DNM=86-112 BL=29 8D4  3997  DS 15C
02132  003980     03 FILLER  PIC 9(10) COMP-3 VALUE  0213010900.                                                   DNM=86-126 BL=29 8E3  4012  DS 6P
02133  003990     03 FILLER  PIC X(15)        VALUE '8   36      '.                                               DNM=86-140 BL=29 8E9  4018  DS 15C
02134  004000     03 FILLER  PIC 9(10) COMP-3 VALUE  0213011000.                                                   DNM=86-154 BL=29 8F8  4033  DS 6P
02135  004010     03 FILLER  PIC X(15)        VALUE '22          '.                                               DNM=86-168 BL=29 8FE  4039  DS 15C
02136  004020     03 FILLER  PIC 9(10) COMP-3 VALUE  0213011100.                                                   DNM=86-182 BL=29 90D  4054  DS 6P
02137  004030     03 FILLER  PIC X(15)        VALUE '12          '.                                               DNM=86-196 BL=29 913  4060  DS 15C
02138  004040     03 FILLER  PIC 9(10) COMP-3 VALUE  0213011200.                                                   DNM=86-210 BL=29 922  4075  DS 6P
02139  004050     03 FILLER  PIC X(15)        VALUE '3   4D5     '.                                               DNM=86-224 BL=29 928  4081  DS 15C
02140  004060     03 FILLER  PIC 9(10) COMP-3 VALUE  0213030000.                                                   DNM=86-238 BL=29 937  4096  DS 6P
02141  004070     03 FILLER  PIC X(15)        VALUE '29  J5      '.                                               DNM=86-252 BL=29 93D  4102  DS 15C
02142  004080     03 FILLER  PIC 9(10) COMP-3 VALUE  0213030100.                                                   DNM=86-266 BL=29 94C  4117  DS 6P
02143  004090     03 FILLER  PIC X(15)        VALUE '28          '.                                               DNM=86-280 BL=29 952  4123  DS 15C
02144  004100     03 FILLER  PIC 9(10) COMP-3 VALUE  0214000100.                                                   DNM=86-294 BL=29 961  4138  DS 6P
02145  004110     03 FILLER  PIC X(15)        VALUE '3   AR5 AR8 '.                                               DNM=86-308 BL=29 967  4144  DS 15C
02146  004120     03 FILLER  PIC 9(10) COMP-3 VALUE  0214000200.                                                   DNM=86-322 BL=29 976  4159  DS 6P
02147  004130     03 FILLER  PIC X(15)        VALUE '92  2   AR14'.                                               DNM=86-336 BL=29 97C  4165  DS 15C
02148  004140     03 FILLER  PIC 9(10) COMP-3 VALUE  0214000300.                                                   DNM=86-350 BL=29 98B  4180  DS 6P
02149  004150     03 FILLER  PIC X(15)        VALUE '94  H7  AR17'.                                               DNM=86-364 BL=29 991  4186  DS 15C
```

```
                                                                                                                    INT NAME   BASE  DISP RL01  DEFINITION
02150  004160  03 FILLER  PIC 9(10) COMP-3 VALUE  0214000400.                                                      DNM=86-378 BL=29 9A0  4201  DS 6P
02151  004170  03 FILLER  PIC X(15)         VALUE '95   AR19      '.                                               DNM=86-392 BL=29 9A6  4207  DS 15C
02152  004180  03 FILLER  PIC 9(10) COMP-3 VALUE  0214000500.                                                      DNM=86-406 BL=29 9B5  4222  DS 6P
02153  004190  03 FILLER  PIC X(15)         VALUE '97   AR13 3E5'.                                               DNM=86-420 BL=29 9BB  4228  DS 15C
02154  004200  03 FILLER  PIC 9(10) COMP-3 VALUE  0214000600.                                                      DNM=86-434 BL=29 9CA  4243  DS 6P
02155  004210  03 FILLER  PIC X(15)         VALUE 'AR11 AR12      '.                                            DNM=86-448 BL=29 900  4249  DS 15C
02156  004220  03 FILLER  PIC 9(10) COMP-3 VALUE  0214000700.                                                      DNM=86-462 BL=29 9DF  4264  DS 6P
02157  004230  03 FILLER  PIC X(15)         VALUE '99   100  3E6 '.                                              DNM=86-476 BL=29 9E5  4270  DS 15C
02158  004240  03 FILLER  PIC 9(10) COMP-3 VALUE  0214000800.                                                      DNM=86-490 BL=29 9F4  4285  DS 6P
02159  004250  03 FILLER  PIC X(15)         VALUE 'I1   I2   I3  '.                                            DNM=87-000 BL=29 9FA  4291  DS 15C
02160  004260  03 FILLER  PIC 9(10) COMP-3 VALUE  0214000900.                                                      DNM=87-014 BL=29 A09  4306  DS 6P
02161  004270  03 FILLER  PIC X(15)         VALUE 'I4   I5   I6  '.                                            DNM=87-028 BL=29 A0F  4312  DS 15C
02162  004280  03 FILLER  PIC 9(10) COMP-3 VALUE  0214001000.                                                      DNM=87-042 BL=29 A1E  4327  DS 6P
02163  004290  03 FILLER  PIC X(15)         VALUE '4E1       '.                                               DNM=87-056 BL=29 A24  4333  DS 15C
02164  004300  03 FILLER  PIC 9(10) COMP-3 VALUE  0214010000.                                                      DNM=87-070 BL=29 A33  4348  DS 6P
02165  004310  03 FILLER  PIC X(15)         VALUE '89   1    90  '.                                            DNM=87-084 BL=29 A39  4354  DS 15C
02166  004320  03 FILLER  PIC 9(10) COMP-3 VALUE  0214020000.                                                      DNM=87-098 BL=29 A48  4369  DS 6P
02167  004330  03 FILLER  PIC X(15)         VALUE '5    91   AR1 '.                                            DNM=87-112 BL=29 A4E  4375  DS 15C
02168  004340  03 FILLER  PIC 9(10) COMP-3 VALUE  0214030000.                                                      DNM=87-126 BL=29 A5D  4390  DS 6P
02169  004350  03 FILLER  PIC X(15)         VALUE 'H6        '.                                               DNM=87-140 BL=29 A63  4396  DS 15C
02170  004360  03 FILLER  PIC 9(10) COMP-3 VALUE  0214030100.                                                      DNM=87-154 BL=29 A72  4411  DS 6P
02171  004370  03 FILLER  PIC X(15)         VALUE '6    H1   H2  '.                                            DNM=87-168 BL=29 A78  4417  DS 15C
02172  004380  03 FILLER  PIC 9(10) COMP-3 VALUE  0214040000.                                                      DNM=87-182 BL=29 A87  4432  DS 6P
02173  004390  03 FILLER  PIC X(15)         VALUE '4    93   AR15'.                                            DNM=87-196 BL=29 A8D  4438  DS 15C
02174  004400  03 FILLER  PIC 9(10) COMP-3 VALUE  0214050000.                                                      DNM=87-210 BL=29 A9C  4453  DS 6P
02175  004410  03 FILLER  PIC X(15)         VALUE '3    101  E1  '.                                            DNM=87-224 BL=29 AA2  4459  DS 15C
02176  004420  03 FILLER  PIC 9(10) COMP-3 VALUE  0214050100.                                                      DNM=87-238 BL=29 AB1  4474  DS 6P
02177  004430  03 FILLER  PIC X(15)         VALUE 'E2        '.                                               DNM=87-252 BL=29 AB7  4480  DS 15C
02178  004440  03 FILLER  PIC 9(10) COMP-3 VALUE  0214050200.                                                      DNM=87-266 BL=29 AC6  4495  DS 6P
02179  004450  03 FILLER  PIC X(15)         VALUE 'E4        '.                                               DNM=87-280 BL=29 ACC  4501  DS 15C
02180  004460  03 FILLER  PIC 9(10) COMP-3 VALUE  0214050300.                                                      DNM=87-294 BL=29 ADB  4516  DS 6P
02181  004470  03 FILLER  PIC X(15)         VALUE '103  206  16 '.                                            DNM=87-308 BL=29 AE1  4522  DS 15C
02182  004480  03 FILLER  PIC 9(10) COMP-3 VALUE  0214050400.                                                      DNM=87-322 BL=29 AF0  4537  DS 6P
02183  004490  03 FILLER  PIC X(15)         VALUE '205       '.                                               DNM=87-336 BL=29 AF6  4543  DS 15C
02184  004500  03 FILLER  PIC 9(10) COMP-3 VALUE  0214050500.                                                      DNM=87-350 BL=29 B05  4558  DS 6P
02185  004510  03 FILLER  PIC X(15)         VALUE '22        '.                                               DNM=87-364 BL=29 B0B  4564  DS 15C
02186  004520  03 FILLER  PIC 9(10) COMP-3 VALUE  0214050600.                                                      DNM=87-378 BL=29 B1A  4579  DS 6P
02187  004530  03 FILLER  PIC X(15)         VALUE '102       '.                                               DNM=87-392 BL=29 B20  4585  DS 15C
02188  004540  03 FILLER  PIC 9(10) COMP-3 VALUE  0214060000.                                                      DNM=87-406 BL=29 B2F  4600  DS 6P
02189  004550  03 FILLER  PIC X(15)         VALUE '2    2A   88S '.                                            DNM=87-420 BL=29 B35  4606  DS 15C
02190  004560  03 FILLER  PIC 9(10) COMP-3 VALUE  0214070000.                                                      DNM=87-434 BL=29 B44  4621  DS 6P
02191  004570  03 FILLER  PIC X(15)         VALUE '7    98   2E1 '.                                            DNM=87-448 BL=29 B4A  4627  DS 15C
02192  004580  03 FILLER  PIC 9(10) COMP-3 VALUE  0214080000.                                                      DNM=87-462 BL=29 B59  4642  DS 6P
02193  004590  03 FILLER  PIC X(15)         VALUE '8    3E4  3E3 '.                                            DNM=87-476 BL=29 B5F  4648  DS 15C
02194  004600  03 FILLER  PIC 9(10) COMP-3 VALUE  0214090000.                                                      DNM=87-490 BL=29 B6E  4663  DS 6P
02195  004610  03 FILLER  PIC X(15)         VALUE '11        '.                                               DNM=88-000 BL=29 B74  4669  DS 15C
02196  004620  03 FILLER  PIC 9(10) COMP-3 VALUE  0214110000.                                                      DNM=88-014 BL=29 B83  4684  DS 6P
02197  004630  03 FILLER  PIC X(15)         VALUE '4E2       '.                                               DNM=88-028 BL=29 B89  4690  DS 15C
02198  004640  03 FILLER  PIC 9(10) COMP-3 VALUE  0214110100.                                                      DNM=88-042 BL=29 B98  4705  DS 6P
02199  004650  03 FILLER  PIC X(15)         VALUE '4E3       '.                                               DNM=88-056 BL=29 B9E  4711  DS 15C
02200  004660  03 FILLER  PIC 9(10) COMP-3 VALUE  0214130000.                                                      DNM=88-070 BL=29 BAD  4726  DS 6P
02201  004670  03 FILLER  PIC X(15)         VALUE '96   20   '.                                               DNM=88-084 BL=29 BB3  4732  DS 15C
02202  004680  03 FILLER  PIC 9(10) COMP-3 VALUE  0214140000.                                                      DNM=88-098 BL=29 BC2  4747  DS 6P
02203  004690  03 FILLER  PIC X(15)         VALUE '3E7  NA1  NA4 '.                                           DNM=88-112 BL=29 BC8  4753  DS 15C
```

```
02204  004700  03 FILLER  PIC 9(10) COMP-3 VALUE  0214140100.                    DNM=88-126  BL=29 BD7  4768  DS 6P
02205  004710  03 FILLER  PIC X(15)         VALUE '9              '.            DNM=88-140  BL=29 BDD  4774  DS 15C
02206  004720  03 FILLER  PIC 9(10) COMP-3 VALUE  0214140200.                    DNM=88-154  BL=29 BEC  4789  DS 6P
02207  004730  03 FILLER  PIC X(15)         VALUE 'NA2  NA3  3E8 '.            DNM=88-168  BL=29 BF2  4795  DS 15C
02208  004740  03 FILLER  PIC 9(10) COMP-3 VALUE  0214150000.                    DNM=88-182  BL=29 C01  4810  DS 6P
02209  004750  03 FILLER  PIC X(15)         VALUE '10             '.            DNM=88-196  BL=29 C07  4816  DS 15C
02210  004760  03 FILLER  PIC 9(10) COMP-3 VALUE  0214160000.                    DNM=88-210  BL=29 C16  4831  DS 6P
02211  004770  03 FILLER  PIC X(15)         VALUE '14             '.            DNM=88-224  BL=29 C1C  4837  DS 15C
02212  004780  03 FILLER  PIC 9(10) COMP-3 VALUE  0214170000.                    DNM=88-238  BL=29 C28  4852  DS 6P
02213  004790  03 FILLER  PIC X(15)         VALUE '302  15        '.            DNM=88-252  BL=29 C31  4858  DS 15C
02214  004800  03 FILLER  PIC 9(10) COMP-3 VALUE  0214180000.                    DNM=88-266  BL=29 C40  4873  DS 6P
02215  004810  03 FILLER  PIC X(15)         VALUE '204            '.            DNM=88-280  BL=29 C46  4879  DS 15C
02216  004820  03 FILLER  PIC 9(10) COMP-3 VALUE  0215000000.                    DNM=88-294  BL=29 C55  4894  DS 6P
02217  004830  03 FILLER  PIC X(15)         VALUE 'KHB1 KHB2      '.            DNM=88-308  BL=29 C5B  4900  DS 15C
02218  004840  03 FILLER  PIC 9(10) COMP-3 VALUE  0216000000.                    DNM=88-322  BL=29 C6A  4915  DS 6P
02219  004850  03 FILLER  PIC X(15)         VALUE 'E1   E2   E5   '.            DNM=88-336  BL=29 C70  4921  DS 15C
02220  004860  03 FILLER  PIC 9(10) COMP-3 VALUE  0300000000.                    DNM=88-350  BL=29 C7F  4936  DS 6P
02221  004870  03 FILLER  PIC X(15)         VALUE '108S 114  CR13 '.           DNM=88-364  BL=29 C85  4942  DS 15C
02222  004880  03 FILLER  PIC 9(10) COMP-3 VALUE  0301000000.                    DNM=88-378  BL=29 C94  4957  DS 6P
02223  004890  03 FILLER  PIC X(15)         VALUE 'CR22           '.            DNM=88-392  BL=29 C9A  4963  DS 15C
02224  004900  03 FILLER  PIC 9(10) COMP-3 VALUE  0302000000.                    DNM=88-406  BL=29 CA9  4978  DS 6P
02225  004910  03 FILLER  PIC X(15)         VALUE 'CR10 CR11 CR23 '.           DNM=88-420  BL=29 CAF  4984  DS 15C
02226  004920  03 FILLER  PIC 9(10) COMP-3 VALUE  0306000000.                    DNM=88-434  BL=29 CBE  4999  DS 6P
02227  004930  03 FILLER  PIC X(15)         VALUE 'I14            '.            DNM=88-448  BL=29 CC4  5005  DS 15C
02228  004940  03 FILLER  PIC 9(10) COMP-3 VALUE  0307000000.                    DNM=88-462  BL=29 CD3  5020  DS 6P
02229  004950  03 FILLER  PIC X(15)         VALUE 'RI6            '.            DNM=88-476  BL=29 CD9  5026  DS 15C
02230  004960  03 FILLER  PIC 9(10) COMP-3 VALUE  0309000000.                    DNM=88-490  BL=29 CE8  5041  DS 6P
02231  004970  03 FILLER  PIC X(15)         VALUE '107S           '.            DNM=89-000  BL=29 CEE  5047  DS 15C
02232  004980  03 FILLER  PIC 9(10) COMP-3 VALUE  0400000000.                    DNM=89-014  BL=29 CFD  5062  DS 6P
02233  004990  03 FILLER  PIC X(15)         VALUE '109S 110S 120  '.           DNM=89-028  BL=29 D03  5068  DS 15C
02234  005000  03 FILLER  PIC 9(10) COMP-3 VALUE  0400020000.                    DNM=89-042  BL=29 D12  5083  DS 6P
02235  005010  03 FILLER  PIC X(15)         VALUE 'BI2            '.            DNM=89-056  BL=29 D18  5089  DS 15C
02236  005020  03 FILLER  PIC 9(10) COMP-3 VALUE  0400040000.                    DNM=89-070  BL=29 D27  5104  DS 6P
02237  005030  03 FILLER  PIC X(15)         VALUE 'BI1            '.            DNM=89-084  BL=29 D2D  5110  DS 15C
02238  005040  03 FILLER  PIC 9(10) COMP-3 VALUE  0400050000.                    DNM=89-098  BL=29 D3C  5125  DS 6P
02239  005050  03 FILLER  PIC X(15)         VALUE 'BI3            '.            DNM=89-112  BL=29 D42  5131  DS 15C
02240  005060  03 FILLER  PIC 9(10) COMP-3 VALUE  0401000000.                    DNM=89-126  BL=29 D51  5146  DS 6P
02241  005070  03 FILLER  PIC X(15)         VALUE 'I21  I22  R1   '.           DNM=89-140  BL=29 D57  5152  DS 15C
02242  005080  03 FILLER  PIC 9(10) COMP-3 VALUE  0401010000.                    DNM=89-154  BL=29 D66  5167  DS 6P
02243  005090  03 FILLER  PIC X(15)         VALUE 'RI10           '.            DNM=89-168  BL=29 D6C  5173  DS 15C
02244  005100  03 FILLER  PIC 9(10) COMP-3 VALUE  0401020000.                    DNM=89-182  BL=29 D7B  5188  DS 6P
02245  005110  03 FILLER  PIC X(15)         VALUE 'RI1            '.            DNM=89-196  BL=29 D81  5194  DS 15C
02246  005120  03 FILLER  PIC 9(10) COMP-3 VALUE  0403000000.                    DNM=89-210  BL=29 D90  5209  DS 6P
02247  005130  03 FILLER  PIC X(15)         VALUE 'RI9  RI4       '.           DNM=89-224  BL=29 D96  5215  DS 15C
02248  005140  03 FILLER  PIC 9(10) COMP-3 VALUE  0404000000.                    DNM=89-238  BL=29 DA5  5230  DS 6P
02249  005150  03 FILLER  PIC X(15)         VALUE 'RI5  R7   R8   '.           DNM=89-252  BL=29 DAB  5236  DS 15C
02250  005160  03 FILLER  PIC 9(10) COMP-3 VALUE  0500000000.                    DNM=89-266  BL=29 DBA  5251  DS 6P
02251  005170  03 FILLER  PIC X(15)         VALUE 'P1   P6   P8   '.           DNM=89-280  BL=29 DC0  5257  DS 15C
02252  005180  03 FILLER  PIC 9(10) COMP-3 VALUE  0500040000.                    DNM=89-294  BL=29 DCF  5272  DS 6P
02253  005190  03 FILLER  PIC X(15)         VALUE 'S0815P4        '.           DNM=89-308  BL=29 DD5  5278  DS 15C
02254  005200  03 FILLER  PIC 9(10) COMP-3 VALUE  0500160000.                    DNM=89-322  BL=29 DE4  5293  DS 6P
02255  005210  03 FILLER  PIC X(15)         VALUE 'M2             '.           DNM=89-336  BL=29 DEA  5299  DS 15C
02256  005220  03 FILLER  PIC 9(10) COMP-3 VALUE  0500180000.                    DNM=89-350  BL=29 DF9  5314  DS 6P
02257  005230  03 FILLER  PIC X(15)         VALUE 'WB13           '.           DNM=89-364  BL=29 DFF  5320  DS 15C
```

```
                                                                                                                    INT NAME    BASE  DISP RL01  DEFINITION
02258  005240  03 FILLER  PIC 9(10) COMP-3 VALUE  0500190000.                                                      DNM=89-378  BL=29 E0E  5335  DS 6P
02259  005250  03 FILLER  PIC X(15)         VALUE 'P11          '.                                                 DNM=89-392  BL=29 E14  5341  DS 15C
02260  005260  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300100.                                                      DNM=89-406  BL=29 E23  5356  DS 6P
02261  005270  03 FILLER  PIC X(15)         VALUE 'HI1S HI7S HI8S'.                                            DNM=89-420  BL=29 E29  5362  DS 15C
02262  005280  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300101.                                                      DNM=89-434  BL=29 E38  5377  DS 6P
02263  005290  03 FILLER  PIC X(15)         VALUE 'HI10S        '.                                             DNM=89-448  BL=29 E3E  5383  DS 15C
02264  005300  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300103.                                                      DNM=89-462  BL=29 E4D  5398  DS 6P
02265  005310  03 FILLER  PIC X(15)         VALUE 'HI13         '.                                             DNM=89-476  BL=29 E53  5404  DS 15C
02266  005320  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300104.                                                      DNM=89-490  BL=29 E62  5419  DS 6P
02267  005330  03 FILLER  PIC X(15)         VALUE 'ORI1         '.                                             DNM=90-000  BL=29 E68  5425  DS 15C
02268  005340  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300105.                                                      DNM=90-014  BL=29 E77  5440  DS 6P
02269  005350  03 FILLER  PIC X(15)         VALUE 'HI2  ORI3    '.                                             DNM=90-028  BL=29 E7D  5446  DS 15C
02270  005360  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300107.                                                      DNM=90-042  BL=29 E8C  5461  DS 6P
02271  005370  03 FILLER  PIC X(15)         VALUE 'HI4S         '.                                             DNM=90-056  BL=29 E92  5467  DS 15C
02272  005380  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300109.                                                      DNM=90-070  BL=29 EA1  5482  DS 6P
02273  005390  03 FILLER  PIC X(15)         VALUE 'HI20         '.                                             DNM=90-084  BL=29 EA7  5488  DS 15C
02274  005400  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300110.                                                      DNM=90-098  BL=29 EB6  5503  DS 6P
02275  005410  03 FILLER  PIC X(15)         VALUE 'HI6S         '.                                             DNM=90-112  BL=29 EBC  5509  DS 15C
02276  005420  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300115.                                                      DNM=90-126  BL=29 ECB  5524  DS 6P
02277  005430  03 FILLER  PIC X(15)         VALUE 'HI3          '.                                             DNM=90-140  BL=29 ED1  5530  DS 15C
02278  005440  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300116.                                                      DNM=90-154  BL=29 EE0  5545  DS 6P
02279  005450  03 FILLER  PIC X(15)         VALUE 'HI5S         '.                                             DNM=90-168  BL=29 EE6  5551  DS 15C
02280  005460  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300117.                                                      DNM=90-182  BL=29 EF5  5566  DS 6P
02281  005470  03 FILLER  PIC X(15)         VALUE 'HI11         '.                                             DNM=90-196  BL=29 EFB  5572  DS 15C
02282  005480  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300200.                                                      DNM=90-210  BL=29 F0A  5587  DS 6P
02283  005490  03 FILLER  PIC X(15)         VALUE 'OI1S OI5  OI6 '.                                            DNM=90-224  BL=29 F10  5593  DS 15C
02284  005500  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300201.                                                      DNM=90-238  BL=29 F1F  5608  DS 6P
02285  005510  03 FILLER  PIC X(15)         VALUE 'OI2  OI3     '.                                             DNM=90-252  BL=29 F25  5614  DS 15C
02286  005520  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300204.                                                      DNM=90-266  BL=29 F34  5629  DS 6P
02287  005530  03 FILLER  PIC X(15)         VALUE 'OI4S         '.                                             DNM=90-280  BL=29 F3A  5635  DS 15C
02288  005540  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300300.                                                      DNM=90-294  BL=29 F49  5650  DS 6P
02289  005550  03 FILLER  PIC X(15)         VALUE 'PI1  PI2  PI3 '.                                            DNM=90-308  BL=29 F4F  5656  DS 15C
02290  005560  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300303.                                                      DNM=90-322  BL=29 F5E  5671  DS 6P
02291  005570  03 FILLER  PIC X(15)         VALUE 'PI4  PI5     '.                                             DNM=90-336  BL=29 F64  5677  DS 15C
02292  005580  03 FILLER  PIC 9(10) COMP-3 VALUE  0500300304.                                                      DNM=90-350  BL=29 F73  5692  DS 6P
02293  005590  03 FILLER  PIC X(15)         VALUE 'PI6          '.                                             DNM=90-364  BL=29 F79  5698  DS 15C
02294  005600  03 FILLER  PIC 9(10) COMP-3 VALUE  0500320000.                                                      DNM=90-378  BL=29 F88  5713  DS 6P
02295  005610  03 FILLER  PIC X(15)         VALUE 'P5           '.                                             DNM=90-392  BL=29 F8E  5719  DS 15C
02296  005620  03 FILLER  PIC 9(10) COMP-3 VALUE  0500330000.                                                      DNM=90-406  BL=29 F9D  5734  DS 6P
02297  005630  03 FILLER  PIC X(15)         VALUE 'P7           '.                                             DNM=90-420  BL=29 FA3  5740  DS 15C
02298  005640  03 FILLER  PIC 9(10) COMP-3 VALUE  0501000000.                                                      DNM=90-434  BL=29 FB2  5755  DS 6P
02299  005650  03 FILLER  PIC X(15)         VALUE 'SPB1 SPB2 SPB3'.                                            DNM=90-448  BL=29 FB8  5761  DS 15C
02300  005660  03 FILLER  PIC 9(10) COMP-3 VALUE  0502000000.                                                      DNM=90-462  BL=29 FC7  5776  DS 6P
02301  005670  03 FILLER  PIC X(15)         VALUE 'PCB1 PCB1A   '.                                             DNM=90-476  BL=29 FCD  5782  DS 15C
02302  005680  03 FILLER  PIC 9(10) COMP-3 VALUE  0503000000.                                                      DNM=90-490  BL=29 FDC  5797  DS 6P
02303  005690  03 FILLER  PIC X(15)         VALUE 'LSR2 LSR6 LSR10'.                                           DNM=91-000  BL=29 FE2  5803  DS 15C
02304  005700  03 FILLER  PIC 9(10) COMP-3 VALUE  0503010000.                                                      DNM=91-014  BL=29 FF1  5818  DS 6P
02305  005710  03 FILLER  PIC X(15)         VALUE 'LSR4 LSR5    '.                                             DNM=91-028  BL=29 FF7  5824  DS 15C
02306  005720  03 FILLER  PIC 9(10) COMP-3 VALUE  0503020000.                                                      DNM=91-042  BL=30 006  2353  DS 6P
02307  005730  03 FILLER  PIC X(15)         VALUE 'LSR1         '.                                             DNM=91-056  BL=30 00C  2347  DS 15C
02308  005740  03 FILLER  PIC 9(10) COMP-3 VALUE  0503030000.                                                      DNM=91-070  BL=30 018  2332  DS 6P
02309  005750  03 FILLER  PIC X(15)         VALUE 'LSR3 LSR7 LSR9'.                                            DNM=91-084  BL=30 021  2326  DS 15C
02310  005760  03 FILLER  PIC 9(10) COMP-3 VALUE  0503050000.                                                      DNM=91-098  BL=30 030  2311  DS 6P
02311  005770  03 FILLER  PIC X(15)         VALUE 'LSR8         '.                                             DNM=91-112  BL=30 036  2305  DS 15C
```

```
                                                                                                                    INT NAME   BASE  DISP RL01  DEFINITION
02312  005780     03 FILLER  PIC 9(10) COMP-3 VALUE  0504000000.                                                   DNM=91-126 BL=30 045  2290  DS 6P
02313  005790     03 FILLER  PIC X(15)         VALUE 'LSR1ILSR12     '.                                          DNM=91-140 BL=30 048  2284  DS 15C
02314  005800     03 FILLER  PIC 9(10) COMP-3 VALUE  0506000000.                                                   DNM=91-154 BL=30 05A  2269  DS 6P
02315  005810     03 FILLER  PIC X(15)         VALUE 'FC1  FC2  FC8  '.                                          DNM=91-168 BL=30 060  2263  DS 15C
02316  005820     03 FILLER  PIC 9(10) COMP-3 VALUE  0506010000.                                                   DNM=91-182 BL=30 06E  2248  DS 6P
02317  005830     03 FILLER  PIC X(15)         VALUE 'FC5            '.                                          DNM=91-196 BL=30 075  2242  DS 15C
02318  005840     03 FILLER  PIC 9(10) COMP-3 VALUE  0506020000.                                                   DNM=91-210 BL=30 084  2227  DS 6P
02319  005850     03 FILLER  PIC X(15)         VALUE 'FC7            '.                                          DNM=91-224 BL=30 08A  2221  DS 15C
02320  005860     03 FILLER  PIC 9(10) COMP-3 VALUE  0506030000.                                                   DNM=91-238 BL=30 099  2206  DS 6P
02321  005870     03 FILLER  PIC X(15)         VALUE 'FC6            '.                                          DNM=91-252 BL=30 09F  2200  DS 15C
02322  005880     03 FILLER  PIC 9(10) COMP-3 VALUE  0509000000.                                                   DNM=91-266 BL=30 0AE  2185  DS 6P
02323  005890     03 FILLER  PIC X(15)         VALUE 'FC4  FC10      '.                                          DNM=91-280 BL=30 0B4  2179  DS 15C
02324  005900     03 FILLER  PIC 9(10) COMP-3 VALUE  0509010000.                                                   DNM=91-294 BL=30 0C3  2164  DS 6P
02325  005910     03 FILLER  PIC X(15)         VALUE 'FC3  3F5       '.                                          DNM=91-308 BL=30 0C9  2158  DS 15C
02326  005920     03 FILLER  PIC 9(10) COMP-3 VALUE  0513000000.                                                   DNM=91-322 BL=30 0D8  2143  DS 6P
02327  005930     03 FILLER  PIC X(15)         VALUE 'FC5A           '.                                          DNM=91-336 BL=30 0DE  2137  DS 15C
02328  005940     03 FILLER  PIC 9(10) COMP-3 VALUE  0514000000.                                                   DNM=91-350 BL=30 0ED  2122  DS 6P
02329  005950     03 FILLER  PIC X(15)         VALUE 'WB1  WB2  WB5  '.                                          DNM=91-364 BL=30 0F3  2116  DS 15C
02330  005960     03 FILLER  PIC 9(10) COMP-3 VALUE  0514010000.                                                   DNM=91-378 BL=30 102  2101  DS 6P
02331  005970     03 FILLER  PIC X(15)         VALUE 'WB4            '.                                          DNM=91-392 BL=30 108  2095  DS 15C
02332  005980     03 FILLER  PIC 9(10) COMP-3 VALUE  0514020000.                                                   DNM=91-406 BL=30 117  2080  DS 6P
02333  005990     03 FILLER  PIC X(15)         VALUE '3F4            '.                                          DNM=91-420 BL=30 110  2074  DS 15C
02334  006000     03 FILLER  PIC 9(10) COMP-3 VALUE  0514030000.                                                   DNM=91-434 BL=30 12C  2059  DS 6P
02335  006010     03 FILLER  PIC X(15)         VALUE 'WB3  WB6  WB3A '.                                          DNM=91-448 BL=30 132  2053  DS 15C
02336  006020     03 FILLER  PIC 9(10) COMP-3 VALUE  0514040000.                                                   DNM=91-462 BL=30 141  2038  DS 6P
02337  006030     03 FILLER  PIC X(15)         VALUE 'WB10           '.                                          DNM=91-476 BL=30 147  2032  DS 15C
02338  006040     03 FILLER  PIC 9(10) COMP-3 VALUE  0514050000.                                                   DNM=91-490 BL=30 156  2017  DS 6P
02339  006050     03 FILLER  PIC X(15)         VALUE 'WB11 WB4A      '.                                          DNM=92-000 BL=30 15C  2011  DS 15C
02340  006060     03 FILLER  PIC 9(10) COMP-3 VALUE  0514050100.                                                   DNM=92-014 BL=30 168  1996  DS 6P
02341  006070     03 FILLER  PIC X(15)         VALUE 'WB9            '.                                          DNM=92-028 BL=30 171  1990  DS 15C
02342  006080     03 FILLER  PIC 9(10) COMP-3 VALUE  0514060000.                                                   DNM=92-042 BL=30 180  1975  DS 6P
02343  006090     03 FILLER  PIC X(15)         VALUE 'WB8            '.                                          DNM=92-056 BL=30 186  1969  DS 15C
02344  006100     03 FILLER  PIC 9(10) COMP-3 VALUE  0516000000.                                                   DNM=92-070 BL=30 195  1954  DS 6P
02345  006110     03 FILLER  PIC X(15)         VALUE 'CC2  3F1  3F2  '.                                          DNM=92-084 BL=30 19B  1948  DS 15C
02346  006120     03 FILLER  PIC 9(10) COMP-3 VALUE  0516010200.                                                   DNM=92-098 BL=30 1AA  1933  DS 6P
02347  006130     03 FILLER  PIC X(15)         VALUE '3E1            '.                                          DNM=92-112 BL=30 1B0  1927  DS 15C
02348  006140     03 FILLER  PIC 9(10) COMP-3 VALUE  0516010300.                                                   DNM=92-126 BL=30 1BF  1912  DS 6P
02349  006150     03 FILLER  PIC X(15)         VALUE '3E1            '.                                          DNM=92-140 BL=30 1C5  1906  DS 15C
02350  006160     03 FILLER  PIC 9(10) COMP-3 VALUE  0516010500.                                                   DNM=92-154 BL=30 1D4  1891  DS 6P
02351  006170     03 FILLER  PIC X(15)         VALUE 'MI8  MI10      '.                                          DNM=92-168 BL=30 1DA  1885  DS 15C
02352  006180     03 FILLER  PIC 9(10) COMP-3 VALUE  0518000000.                                                   DNM=92-182 BL=30 1E9  1870  DS 6P
02353  006190     03 FILLER  PIC X(15)         VALUE 'CC4            '.                                          DNM=92-196 BL=30 1EF  1864  DS 15C
02354  006200     03 FILLER  PIC 9(10) COMP-3 VALUE  0518010000.                                                   DNM=92-210 BL=30 1FE  1849  DS 6P
02355  006210     03 FILLER  PIC X(15)         VALUE 'CC1            '.                                          DNM=92-224 BL=30 204  1843  DS 15C
02356  006220     03 FILLER  PIC 9(10) COMP-3 VALUE  0519000000.                                                   DNM=92-238 BL=30 213  1828  DS 6P
02357  006230     03 FILLER  PIC X(15)         VALUE 'CC3            '.                                          DNM=92-252 BL=30 219  1822  DS 15C
02358  006240     03 FILLER  PIC 9(10) COMP-3 VALUE  0520000000.                                                   DNM=92-266 BL=30 228  1807  DS 6P
02359  006250     03 FILLER  PIC X(15)         VALUE 'JB4            '.                                          DNM=92-280 BL=30 22E  1801  DS 15C
02360  006260     03 FILLER  PIC 9(10) COMP-3 VALUE  0521000000.                                                   DNM=92-294 BL=30 23D  1786  DS 6P
02361  006270     03 FILLER  PIC X(15)         VALUE 'JB2  JB5  JB7  '.                                          DNM=92-308 BL=30 243  1780  DS 15C
02362  006280     03 FILLER  PIC 9(10) COMP-3 VALUE  0521010000.                                                   DNM=92-322 BL=30 252  1765  DS 6P
02363  006290     03 FILLER  PIC X(15)         VALUE 'JB8            '.                                          DNM=92-336 BL=30 258  1759  DS 15C
02364  006300     03 FILLER  PIC 9(10) COMP-3 VALUE  0521020000.                                                   DNM=92-350 BL=30 267  1744  DS 6P
02365  006310     03 FILLER  PIC X(15)         VALUE 'JB6            '.                                          DNM=92-364 BL=30 260  1738  DS 15C
```

```
02366  006320  03 FILLER  PIC 9(10) COMP-3 VALUE  0521040000.                    DNM=92-378  BL=30 27C  1723  DS 6P
02367  006330  03 FILLER  PIC X(15)         VALUE 'JB1          '.              DNM=92-392  BL=30 282  1717  DS 15C
02368  006340  03 FILLER  PIC 9(10) COMP-3 VALUE  0521060000.                    DNM=92-406  BL=30 291  1702  DS 6P
02369  006350  03 FILLER  PIC X(15)         VALUE 'JB3          '.              DNM=92-420  BL=30 297  1696  DS 15C
02370  006360  03 FILLER  PIC 9(10) COMP-3 VALUE  0521060100.                    DNM=92-434  BL=30 2A6  1681  DS 6P
02371  006370  03 FILLER  PIC X(15)         VALUE '4F10         '.              DNM=92-448  BL=30 2AC  1675  DS 15C
02372  006380  03 FILLER  PIC 9(10) COMP-3 VALUE  0522000000.                    DNM=92-462  BL=30 2B8  1660  DS 6P
02373  006390  03 FILLER  PIC X(15)         VALUE 'SQB2 SQB6 SQB8 '.            DNM=92-476  BL=30 2C1  1654  DS 15C
02374  006400  03 FILLER  PIC 9(10) COMP-3 VALUE  0522010000.                    DNM=92-490  BL=30 2D0  1639  DS 6P
02375  006410  03 FILLER  PIC X(15)         VALUE 'SQB11SQB12SQB13'.            DNM=93-000  BL=30 2D6  1633  DS 15C
02376  006420  03 FILLER  PIC 9(10) COMP-3 VALUE  0522010100.                    DNM=93-014  BL=30 2E5  1618  DS 6P
02377  006430  03 FILLER  PIC X(15)         VALUE 'SQB19        '.              DNM=93-028  BL=30 2EB  1612  DS 15C
02378  006440  03 FILLER  PIC 9(10) COMP-3 VALUE  0522020000.                    DNM=93-042  BL=30 2FA  1597  DS 6P
02379  006450  03 FILLER  PIC X(15)         VALUE 'SQB3 SQB7 SQB14'.            DNM=93-056  BL=30 300  1591  DS 15C
02380  006460  03 FILLER  PIC 9(10) COMP-3 VALUE  0522040000.                    DNM=93-070  BL=30 30F  1576  DS 6P
02381  006470  03 FILLER  PIC X(15)         VALUE 'SQB1 SQB5    '.              DNM=93-084  BL=30 315  1570  DS 15C
02382  006480  03 FILLER  PIC 9(10) COMP-3 VALUE  0522050000.                    DNM=93-098  BL=30 324  1555  DS 6P
02383  006490  03 FILLER  PIC X(15)         VALUE 'SQB18        '.              DNM=93-112  BL=30 32A  1549  DS 15C
02384  006500  03 FILLER  PIC 9(10) COMP-3 VALUE  0522060000.                    DNM=93-126  BL=30 339  1534  DS 6P
02385  006510  03 FILLER  PIC X(15)         VALUE 'SQB4         '.              DNM=93-140  BL=30 33F  1528  DS 15C
02386  006520  03 FILLER  PIC 9(10) COMP-3 VALUE  0522070100.                    DNM=93-154  BL=30 34E  1513  DS 6P
02387  006530  03 FILLER  PIC X(15)         VALUE 'SQB17        '.              DNM=93-168  BL=30 354  1507  DS 15C
02388  006540  03 FILLER  PIC 9(10) COMP-3 VALUE  0522080000.                    DNM=93-182  BL=30 363  1492  DS 6P
02389  006550  03 FILLER  PIC X(15)         VALUE 'SQB16        '.              DNM=93-196  BL=30 369  1486  DS 15C
02390  006560  03 FILLER  PIC 9(10) COMP-3 VALUE  0523000000.                    DNM=93-210  BL=30 378  1471  DS 6P
02391  006570  03 FILLER  PIC X(15)         VALUE 'RB21 RB22    '.              DNM=93-224  BL=30 37E  1465  DS 15C
02392  006580  03 FILLER  PIC 9(10) COMP-3 VALUE  0523010100.                    DNM=93-238  BL=30 388  1450  DS 6P
02393  006590  03 FILLER  PIC X(15)         VALUE 'RB20         '.              DNM=93-252  BL=30 393  1444  DS 15C
02394  006600  03 FILLER  PIC 9(10) COMP-3 VALUE  0524000000.                    DNM=93-266  BL=30 3A2  1429  DS 6P
02395  006610  03 FILLER  PIC X(15)         VALUE 'RB19         '.              DNM=93-280  BL=30 3A8  1423  DS 15C
02396  006620  03 FILLER  PIC 9(10) COMP-3 VALUE  0526000000.                    DNM=93-294  BL=30 3B7  1408  DS 6P
02397  006630  03 FILLER  PIC X(15)         VALUE '4F6  RB2  RB8 '.             DNM=93-308  BL=30 3BD  1402  DS 15C
02398  006640  03 FILLER  PIC 9(10) COMP-3 VALUE  0526010000.                    DNM=93-322  BL=30 3CC  1387  DS 6P
02399  006650  03 FILLER  PIC X(15)         VALUE 'RB16 RB18    '.              DNM=93-336  BL=30 3D2  1381  DS 15C
02400  006660  03 FILLER  PIC 9(10) COMP-3 VALUE  0526010300.                    DNM=93-350  BL=30 3E1  1366  DS 6P
02401  006670  03 FILLER  PIC X(15)         VALUE 'RB17         '.              DNM=93-364  BL=30 3E7  1360  DS 15C
02402  006680  03 FILLER  PIC 9(10) COMP-3 VALUE  0526013000.                    DNM=93-378  BL=30 3F6  1345  DS 6P
02403  006690  03 FILLER  PIC X(15)         VALUE 'RB17         '.              DNM=93-392  BL=30 3FC  1339  DS 15C
02404  006700  03 FILLER  PIC 9(10) COMP-3 VALUE  0526020000.                    DNM=93-406  BL=30 40B  1324  DS 6P
02405  006710  03 FILLER  PIC X(15)         VALUE 'RB11         '.              DNM=93-420  BL=30 411  1318  DS 15C
02406  006720  03 FILLER  PIC 9(10) COMP-3 VALUE  0526030000.                    DNM=93-434  BL=30 420  1303  DS 6P
02407  006730  03 FILLER  PIC X(15)         VALUE 'RB4  RB5  RB6 '.             DNM=93-448  BL=30 426  1297  DS 15C
02408  006740  03 FILLER  PIC 9(10) COMP-3 VALUE  0526030100.                    DNM=93-462  BL=30 435  1282  DS 6P
02409  006750  03 FILLER  PIC X(15)         VALUE '4F8          '.              DNM=93-476  BL=30 438  1276  DS 15C
02410  006760  03 FILLER  PIC 9(10) COMP-3 VALUE  0526050000.                    DNM=93-490  BL=30 44A  1261  DS 6P
02411  006770  03 FILLER  PIC X(15)         VALUE 'RB3  RB9  RB2L'.             DNM=94-000  BL=30 450  1255  DS 15C
02412  006780  03 FILLER  PIC 9(10) COMP-3 VALUE  0526050100.                    DNM=94-014  BL=30 45F  1240  DS 6P
02413  006790  03 FILLER  PIC X(15)         VALUE 'RB2U RB2M RB2L '.            DNM=94-028  BL=30 465  1234  DS 15C
02414  006800  03 FILLER  PIC 9(10) COMP-3 VALUE  0526060000.                    DNM=94-042  BL=30 474  1219  DS 6P
02415  006810  03 FILLER  PIC X(15)         VALUE 'RB12         '.              DNM=94-056  BL=30 47A  1213  DS 15C
02416  006820  03 FILLER  PIC 9(10) COMP-3 VALUE  0526070000.                    DNM=94-070  BL=30 489  1198  DS 6P
02417  006830  03 FILLER  PIC X(15)         VALUE 'RB1          '.              DNM=94-084  BL=30 48F  1192  DS 15C
02418  006840  03 FILLER  PIC 9(10) COMP-3 VALUE  0526080000.                    DNM=94-098  BL=30 49E  1177  DS 6P
02419  006850  03 FILLER  PIC X(15)         VALUE 'RB7          '.              DNM=94-112  BL=30 4A4  1171  DS 15C
```

```
02420  006860  03 FILLER  PIC 9(10) COMP-3 VALUE  0527000000.                    DNM=94-126 BL=30 4B3 1156 DS 6P
02421  006870  03 FILLER  PIC X(15)         VALUE '$B9  $B11  $B12'.            DNM=94-140 BL=30 4B9 1150 DS 15C
02422  006880  03 FILLER  PIC 9(10) COMP-3 VALUE  0527010000.                    DNM=94-154 BL=30 4C8 1135 DS 6P
02423  006890  03 FILLER  PIC X(15)         VALUE '$B3          '.             DNM=94-168 BL=30 4CE 1129 DS 15C
02424  006900  03 FILLER  PIC 9(10) COMP-3 VALUE  0527020000.                    DNM=94-182 BL=30 4DD 1114 DS 6P
02425  006910  03 FILLER  PIC X(15)         VALUE '$B1  $B2  $B6  '.            DNM=94-196 BL=30 4E3 1108 DS 15C
02426  006920  03 FILLER  PIC 9(10) COMP-3 VALUE  0527020100.                    DNM=94-210 BL=30 4F2 1093 DS 6P
02427  006930  03 FILLER  PIC X(15)         VALUE '$B14 GB1L    '.             DNM=94-224 BL=30 4F8 1087 DS 15C
02428  006940  03 FILLER  PIC 9(10) COMP-3 VALUE  0527020200.                    DNM=94-238 BL=30 507 1072 DS 6P
02429  006950  03 FILLER  PIC X(15)         VALUE '$B8          '.             DNM=94-252 BL=30 50D 1066 DS 15C
02430  006960  03 FILLER  PIC 9(10) COMP-3 VALUE  0527020300.                    DNM=94-266 BL=30 51C 1051 DS 6P
02431  006970  03 FILLER  PIC X(15)         VALUE '$B4  4F3     '.             DNM=94-280 BL=30 522 1045 DS 15C
02432  006980  03 FILLER  PIC 9(10) COMP-3 VALUE  0527020400.                    DNM=94-294 BL=30 531 1030 DS 6P
02433  006990  03 FILLER  PIC X(15)         VALUE '$B5          '.             DNM=94-308 BL=30 537 1024 DS 15C
02434  007000  03 FILLER  PIC 9(10) COMP-3 VALUE  0527030000.                    DNM=94-322 BL=30 546 1009 DS 6P
02435  007010  03 FILLER  PIC X(15)         VALUE '$B10         '.             DNM=94-336 BL=30 54C 1003 DS 15C
02436  007020  03 FILLER  PIC 9(10) COMP-3 VALUE  0527040000.                    DNM=94-350 BL=30 558 0988 DS 6P
02437  007030  03 FILLER  PIC X(15)         VALUE '$B15         '.             DNM=94-364 BL=30 561 0982 DS 15C
02438  007040  03 FILLER  PIC 9(10) COMP-3 VALUE  0527050000.                    DNM=94-378 BL=30 570 0967 DS 6P
02439  007050  03 FILLER  PIC X(15)         VALUE '$B16         '.             DNM=94-392 BL=30 576 0961 DS 15C
02440  007060  03 FILLER  PIC 9(10) COMP-3 VALUE  0528000100.                    DNM=94-406 BL=30 585 0946 DS 6P
02441  007070  03 FILLER  PIC X(15)         VALUE 'PAR15PAR17M1 '.             DNM=94-420 BL=30 588 0940 DS 15C
02442  007080  03 FILLER  PIC 9(10) COMP-3 VALUE  0528000200.                    DNM=94-434 BL=30 59A 0925 DS 6P
02443  007090  03 FILLER  PIC X(15)         VALUE '126  127S 129  '.            DNM=94-448 BL=30 5A0 0919 DS 15C
02444  007100  03 FILLER  PIC 9(10) COMP-3 VALUE  0528000300.                    DNM=94-462 BL=30 5AF 0904 DS 6P
02445  007110  03 FILLER  PIC X(15)         VALUE '110  111  112  '.            DNM=94-476 BL=30 5B5 0898 DS 15C
02446  007120  03 FILLER  PIC 9(10) COMP-3 VALUE  0528030000.                    DNM=94-490 BL=30 5C4 0883 DS 6P
02447  007130  03 FILLER  PIC X(15)         VALUE '$B2  AB6  5F21 '.            DNM=95-000 BL=30 5CA 0877 DS 15C
02448  007140  03 FILLER  PIC 9(10) COMP-3 VALUE  0528030100.                    DNM=95-014 BL=30 5D9 0862 DS 6P
02449  007150  03 FILLER  PIC X(15)         VALUE '$B5          '.             DNM=95-028 BL=30 5DF 0856 DS 15C
02450  007160  03 FILLER  PIC 9(10) COMP-3 VALUE  0528030201.                    DNM=95-042 BL=30 5EE 0841 DS 6P
02451  007170  03 FILLER  PIC X(15)         VALUE '$B4  AB7     '.             DNM=95-056 BL=30 5F4 0835 DS 15C
02452  007180  03 FILLER  PIC 9(10) COMP-3 VALUE  0528030300.                    DNM=95-070 BL=30 603 0820 DS 6P
02453  007190  03 FILLER  PIC X(15)         VALUE '$B1  AB3     '.             DNM=95-084 BL=30 609 0814 DS 15C
02454  007200  03 FILLER  PIC 9(10) COMP-3 VALUE  0528050000.                    DNM=95-098 BL=30 618 0799 DS 6P
02455  007210  03 FILLER  PIC X(15)         VALUE 'PUR30        '.             DNM=95-112 BL=30 61E 0793 DS 15C
02456  007220  03 FILLER  PIC 9(10) COMP-3 VALUE  0528060001.                    DNM=95-126 BL=30 62D 0778 DS 6P
02457  007230  03 FILLER  PIC X(15)         VALUE '231S 234  5F20 '.            DNM=95-140 BL=30 633 0772 DS 15C
02458  007240  03 FILLER  PIC 9(10) COMP-3 VALUE  0528060002.                    DNM=95-154 BL=30 642 0757 DS 6P
02459  007250  03 FILLER  PIC X(15)         VALUE '221S 222  5E14 '.            DNM=95-168 BL=30 648 0751 DS 15C
02460  007260  03 FILLER  PIC 9(10) COMP-3 VALUE  0528060003.                    DNM=95-182 BL=30 657 0736 DS 6P
02461  007270  03 FILLER  PIC X(15)         VALUE '200  201  202  '.            DNM=95-196 BL=30 65D 0730 DS 15C
02462  007280  03 FILLER  PIC 9(10) COMP-3 VALUE  0528060004.                    DNM=95-210 BL=30 66C 0715 DS 6P
02463  007290  03 FILLER  PIC X(15)         VALUE '5E5  BP6  P2  '.             DNM=95-224 BL=30 672 0709 DS 15C
02464  007300  03 FILLER  PIC 9(10) COMP-3 VALUE  0528060100.                    DNM=95-238 BL=30 681 0694 DS 6P
02465  007310  03 FILLER  PIC X(15)         VALUE 'PUR23PUR4 PUR22'.            DNM=95-252 BL=30 687 0688 DS 15C
02466  007320  03 FILLER  PIC 9(10) COMP-3 VALUE  0528060101.                    DNM=95-266 BL=30 696 0673 DS 6P
02467  007330  03 FILLER  PIC X(15)         VALUE 'PUR17        '.             DNM=95-280 BL=30 69C 0667 DS 15C
02468  007340  03 FILLER  PIC 9(10) COMP-3 VALUE  0528060105.                    DNM=95-294 BL=30 6A8 0652 DS 6P
02469  007350  03 FILLER  PIC X(15)         VALUE 'PUR19        '.             DNM=95-308 BL=30 6B1 0646 DS 15C
02470  007360  03 FILLER  PIC 9(10) COMP-3 VALUE  0528060107.                    DNM=95-322 BL=30 6C0 0631 DS 6P
02471  007370  03 FILLER  PIC X(15)         VALUE 'PUR5 229     '.             DNM=95-336 BL=30 6C6 0625 DS 15C
02472  007380  03 FILLER  PIC 9(10) COMP-3 VALUE  0528060109.                    DNM=95-350 BL=30 6D5 0610 DS 6P
02473  007390  03 FILLER  PIC X(15)         VALUE 'PUR18        '.             DNM=95-364 BL=30 6D8 0604 DS 15C
```

```
02474  007400     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060200.                 DNM=95-378  BL=30 6EA  0589  DS 6P
02475  007410     03 FILLER  PIC X(15)        VALUE 'PUR6 225  227  '.          DNM=95-392  BL=30 6F0  0583  DS 15C
02476  007420     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060201.                 DNM=95-406  BL=30 6FF  0568  DS 6P
02477  007430     03 FILLER  PIC X(15)        VALUE 'PUR20        '.          DNM=95-420  BL=30 705  0562  DS 15C
02478  007440     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060208.                 DNM=95-434  BL=30 714  0547  DS 6P
02479  007450     03 FILLER  PIC X(15)        VALUE 'PUR21        '.          DNM=95-448  BL=30 71A  0541  DS 15C
02480  007460     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060209.                 DNM=95-462  BL=30 729  0526  DS 6P
02481  007470     03 FILLER  PIC X(15)        VALUE 'PUR7 226     '.          DNM=95-476  BL=30 72F  0520  DS 15C
02482  007480     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060300.                 DNM=95-490  BL=30 73E  0505  DS 6P
02483  007490     03 FILLER  PIC X(15)        VALUE '220          '.          DNM=96-000  BL=30 744  0499  DS 15C
02484  007500     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060400.                 DNM=96-014  BL=30 753  0484  DS 6P
02485  007510     03 FILLER  PIC X(15)        VALUE '4F2          '.          DNM=96-028  BL=30 759  0478  DS 15C
02486  007520     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060600.                 DNM=96-042  BL=30 768  0463  DS 6P
02487  007530     03 FILLER  PIC X(15)        VALUE 'PUR12205  4F1  '.          DNM=96-056  BL=30 76E  0457  DS 15C
02488  007540     03 FILLER  PIC 9(10) COMP-3 VALUE  0528061200.                 DNM=96-070  BL=30 77D  0442  DS 6P
02489  007550     03 FILLER  PIC X(15)        VALUE '4E3          '.          DNM=96-084  BL=30 783  0436  DS 15C
02490  007560     03 FILLER  PIC 9(10) COMP-3 VALUE  0528061202.                 DNM=96-098  BL=30 792  0421  DS 6P
02491  007570     03 FILLER  PIC X(15)        VALUE '4E4          '.          DNM=96-112  BL=30 798  0415  DS 15C
02492  007580     03 FILLER  PIC 9(10) COMP-3 VALUE  0528061600.                 DNM=96-126  BL=30 7A7  0400  DS 6P
02493  007590     03 FILLER  PIC X(15)        VALUE 'CMC2         '.          DNM=96-140  BL=30 7AD  0394  DS 15C
02494  007600     03 FILLER  PIC 9(10) COMP-3 VALUE  0528061601.                 DNM=96-154  BL=30 7BC  0379  DS 6P
02495  007610     03 FILLER  PIC X(15)        VALUE 'C4           '.          DNM=96-168  BL=30 7C2  0373  DS 15C
02496  007620     03 FILLER  PIC 9(10) COMP-3 VALUE  0528062600.                 DNM=96-182  BL=30 7D1  0358  DS 6P
02497  007630     03 FILLER  PIC X(15)        VALUE '             '.          DNM=96-196  BL=30 7D7  0352  DS 15C
02498  007640     03 FILLER  PIC 9(10) COMP-3 VALUE  0528062700.                 DNM=96-210  BL=30 7E6  0337  DS 6P
02499  007650     03 FILLER  PIC X(15)        VALUE 'PUR11206  5E13 '.          DNM=96-224  BL=30 7EC  0331  DS 15C
02500  007660     03 FILLER  PIC 9(10) COMP-3 VALUE  0528062900.                 DNM=96-238  BL=30 7FB  0316  DS 6P
02501  007670     03 FILLER  PIC X(15)        VALUE '5E12         '.          DNM=96-252  BL=30 801  0310  DS 15C
02502  007680     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063200.                 DNM=96-266  BL=30 810  0295  DS 6P
02503  007690     03 FILLER  PIC X(15)        VALUE '209  211  5E3  '.          DNM=96-280  BL=30 816  0289  DS 15C
02504  007700     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063201.                 DNM=96-294  BL=30 825  0274  DS 6P
02505  007710     03 FILLER  PIC X(15)        VALUE '5E9          '.          DNM=96-308  BL=30 82B  0268  DS 15C
02506  007720     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063204.                 DNM=96-322  BL=30 83A  0253  DS 6P
02507  007730     03 FILLER  PIC X(15)        VALUE '212  210  5E2  '.          DNM=96-336  BL=30 840  0247  DS 15C
02508  007740     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063208.                 DNM=96-350  BL=30 84F  0232  DS 6P
02509  007750     03 FILLER  PIC X(15)        VALUE '5E4          '.          DNM=96-364  BL=30 855  0226  DS 15C
02510  007760     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063300.                 DNM=96-378  BL=30 864  0211  DS 6P
02511  007770     03 FILLER  PIC X(15)        VALUE '216  218S 219  '.          DNM=96-392  BL=30 86A  0205  DS 15C
02512  007780     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063305.                 DNM=96-406  BL=30 879  C190  DS 6P
02513  007790     03 FILLER  PIC X(15)        VALUE 'PUR9 215  5F14 '.          DNM=96-420  BL=30 87F  0184  DS 15C
02514  007800     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063306.                 DNM=96-434  BL=30 88E  0169  DS 6P
02515  007810     03 FILLER  PIC X(15)        VALUE '217          '.          DNM=96-448  BL=30 894  0163  DS 15C
02516  007820     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063500.                 DNM=96-462  BL=30 8A3  0148  DS 6P
02517  007830     03 FILLER  PIC X(15)        VALUE '223  5F17   '.          DNM=96-476  BL=30 8A9  0142  DS 15C
02518  007840     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063503.                 DNM=96-490  BL=30 8B8  0127  DS 6P
02519  007850     03 FILLER  PIC X(15)        VALUE '224          '.          DNM=97-000  BL=30 8BE  0121  DS 15C
02520  007860     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063700.                 DNM=97-014  BL=30 8CD  0106  DS 6P
02521  007870     03 FILLER  PIC X(15)        VALUE '5F18 232  PUR16'.          DNM=97-028  BL=30 8D3  0100  DS 15C
02522  007880     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063701.                 DNM=97-042  BL=30 8E2  0085  DS 6P
02523  007890     03 FILLER  PIC X(15)        VALUE 'PUR14        '.          DNM=97-056  BL=30 8E8  0079  DS 15C
02524  007900     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063702.                 DNM=97-070  BL=30 8F7  0064  DS 6P
02525  007910     03 FILLER  PIC X(15)        VALUE 'PUR15        '.          DNM=97-084  BL=30 8FD  0058  DS 15C
02526  007920     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063800.                 DNM=97-098  BL=30 90C  0043  DS 6P
02527  007930     03 FILLER  PIC X(15)        VALUE '5F19 PUR2 PUR31'.          DNM=97-112  BL=30 912  0037  DS 15C
```

```
02528  007940  03 FILLER  PIC 9(10) COMP-3 VALUE  0528063802.                    DNM=97-126 BL=30 921  0022 DS 6P
02529  007950  03 FILLER  PIC X(15)         VALUE 'PUR13          '.            DNM=97-140 BL=30 927  0016 DS 15C
02530  007960  03 FILLER  PIC 9(10) COMP-3 VALUE  0528063803.                    DNM=97-154 BL=30 936  0001 DS 6P
02531  007970  03 FILLER  PIC X(15)         VALUE 'PUR3 233       '.            DNM=97-168 BL=30 93C  0005 DS 15C
02532  007980  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064000.                    DNM=97-182 BL=30 948  0020 DS 6P
02533  007990  03 FILLER  PIC X(15)         VALUE '               '.            DNM=97-196 BL=30 951  0026 DS 15C
02534  008000  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064100.                    DNM=97-210 BL=30 960  0041 DS 6P
02535  008010  03 FILLER  PIC X(15)         VALUE '5E6  5E7  5    '.            DNM=97-224 BL=30 966  0047 DS 15C
02536  008020  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064101.                    DNM=97-238 BL=30 975  0062 DS 6P
02537  008030  03 FILLER  PIC X(15)         VALUE '9    10   11   '.            DNM=97-252 BL=30 97B  0068 DS 15C
02538  008040  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064104.                    DNM=97-266 BL=30 98A  0083 DS 6P
02539  008050  03 FILLER  PIC X(15)         VALUE '14             '.            DNM=97-280 BL=30 990  0089 DS 15C
02540  008060  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064105.                    DNM=97-294 BL=30 99F  0104 DS 6P
02541  008070  03 FILLER  PIC X(15)         VALUE '2    3    15   '.            DNM=97-308 BL=30 9A5  0110 DS 15C
02542  008080  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064106.                    DNM=97-322 BL=30 9B4  0125 DS 6P
02543  008090  03 FILLER  PIC X(15)         VALUE '1    4         '.            DNM=97-336 BL=30 98A  0131 DS 15C
02544  008100  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064107.                    DNM=97-350 BL=30 9C9  0146 DS 6P
02545  008110  03 FILLER  PIC X(15)         VALUE '16             '.            DNM=97-364 BL=30 9CF  0152 DS 15C
02546  008120  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064108.                    DNM=97-378 BL=30 9DE  0167 DS 6P
02547  008130  03 FILLER  PIC X(15)         VALUE '8              '.            DNM=97-392 BL=30 9E4  0173 DS 15C
02548  008140  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064109.                    DNM=97-406 BL=30 9F3  0188 DS 6P
02549  008150  03 FILLER  PIC X(15)         VALUE '12             '.            DNM=97-420 BL=30 9F9  0194 DS 15C
02550  008160  03 FILLER  PIC 9(10) COMP-3 VALUE  0528064200.                    DNM=97-434 BL=30 A08  0209 DS 6P
02551  008170  03 FILLER  PIC X(15)         VALUE 'BP4  BP5  C85  '.            DNM=97-448 BL=30 A0E  0215 DS 15C
02552  008180  03 FILLER  PIC 9(10) COMP-3 VALUE  0528070000.                    DNM=97-462 BL=30 A1D  0230 DS 6P
02553  008190  03 FILLER  PIC X(15)         VALUE 'PAR18157 PAR28'.             DNM=97-476 BL=30 A23  0236 DS 15C
02554  008200  03 FILLER  PIC 9(10) COMP-3 VALUE  0528070100.                    DNM=97-490 BL=30 A32  0251 DS 6P
02555  008210  03 FILLER  PIC X(15)         VALUE 'PAR21          '.            DNM=98-000 BL=30 A38  0257 DS 15C
02556  008220  03 FILLER  PIC 9(10) COMP-3 VALUE  0528070200.                    DNM=98-014 BL=30 A47  0272 DS 6P
02557  008230  03 FILLER  PIC X(15)         VALUE 'PAR10158 PAR20'.             DNM=98-028 BL=30 A4D  0278 DS 15C
02558  008240  03 FILLER  PIC 9(10) COMP-3 VALUE  0528070201.                    DNM=98-042 BL=30 A5C  0293 DS 6P
02559  008250  03 FILLER  PIC X(15)         VALUE 'PNC1           '.            DNM=98-056 BL=30 A62  0299 DS 15C
02560  008260  03 FILLER  PIC 9(10) COMP-3 VALUE  0528070202.                    DNM=98-070 BL=30 A71  0314 DS 6P
02561  008270  03 FILLER  PIC X(15)         VALUE 'PAR29          '.            DNM=98-084 BL=30 A77  0320 DS 15C
02562  008280  03 FILLER  PIC 9(10) COMP-3 VALUE  0528070400.                    DNM=98-098 BL=30 A86  0335 DS 6P
02563  008290  03 FILLER  PIC X(15)         VALUE 'PAR19          '.            DNM=98-112 BL=30 A8C  0341 DS 15C
02564  008300  03 FILLER  PIC 9(10) COMP-3 VALUE  0528070500.                    DNM=98-126 BL=30 A9B  0356 DS 6P
02565  008310  03 FILLER  PIC X(15)         VALUE 'PAR22          '.            DNM=98-140 BL=30 AA1  0362 DS 15C
02566  008320  03 FILLER  PIC 9(10) COMP-3 VALUE  0528080000.                    DNM=98-154 BL=30 AB0  0377 DS 6P
02567  008330  03 FILLER  PIC X(15)         VALUE '154  PST1      '.            DNM=98-168 BL=30 AB6  0383 DS 15C
02568  008340  03 FILLER  PIC 9(10) COMP-3 VALUE  0528090000.                    DNM=98-182 BL=30 AC5  0398 DS 6P
02569  008350  03 FILLER  PIC X(15)         VALUE 'PAR35          '.            DNM=98-196 BL=30 ACB  0404 DS 15C
02570  008360  03 FILLER  PIC 9(10) COMP-3 VALUE  0528100000.                    DNM=98-210 BL=30 ADA  0419 DS 6P
02571  008370  03 FILLER  PIC X(15)         VALUE 'PAR9           '.            DNM=98-224 BL=30 AE0  0425 DS 15C
02572  008380  03 FILLER  PIC 9(10) COMP-3 VALUE  0528120000.                    DNM=98-238 BL=30 AEF  0440 DS 6P
02573  008390  03 FILLER  PIC X(15)         VALUE 'PAR8 134  133  '.            DNM=98-252 BL=30 AF5  0446 DS 15C
02574  008400  03 FILLER  PIC 9(10) COMP-3 VALUE  0528120300.                    DNM=98-266 BL=30 B04  0461 DS 6P
02575  008410  03 FILLER  PIC X(15)         VALUE 'PBC4           '.            DNM=98-280 BL=30 B0A  0467 DS 15C
02576  008420  03 FILLER  PIC 9(10) COMP-3 VALUE  0528120400.                    DNM=98-294 BL=30 B19  0482 DS 6P
02577  008430  03 FILLER  PIC X(15)         VALUE 'PBC3           '.            DNM=98-308 BL=30 B1F  0488 DS 15C
02578  008440  03 FILLER  PIC 9(10) COMP-3 VALUE  0528120500.                    DNM=98-322 BL=30 B2E  0503 DS 6P
02579  008450  03 FILLER  PIC X(15)         VALUE 'PBC2           '.            DNM=98-336 BL=30 B34  0509 DS 15C
02580  008460  03 FILLER  PIC 9(10) COMP-3 VALUE  0528120600.                    DNM=98-350 BL=30 B43  0524 DS 6P
02581  008470  03 FILLER  PIC X(15)         VALUE 'PBC1           '.            DNM=98-364 BL=30 B49  0530 DS 15C
```

```
02582  008480     03 FILLER  PIC 9(10) COMP-3 VALUE  0528130000.                    DNM=98-378  BL=30 B58  0545  DS 6P
02583  008490     03 FILLER  PIC X(15)        VALUE '*PDC1          *.             DNM=98-392  BL=30 B5E  0551  DS 15C
02584  008500     03 FILLER  PIC 9(10) COMP-3 VALUE  0528150000.                    DNM=98-406  BL=30 B6D  0566  DS 6P
02585  008510     03 FILLER  PIC X(15)        VALUE '*PMC1          *.             DNM=98-420  BL=30 B73  0572  DS 15C
02586  008520     03 FILLER  PIC 9(10) COMP-3 VALUE  0528160000.                    DNM=98-434  BL=30 B82  0587  DS 6P
02587  008530     03 FILLER  PIC X(15)        VALUE '*PAR3 125  124 *.             DNM=98-448  BL=30 B88  0593  DS 15C
02588  008540     03 FILLER  PIC 9(10) COMP-3 VALUE  0528170000.                    DNM=98-462  BL=30 B97  0608  DS 6P
02589  008550     03 FILLER  PIC X(15)        VALUE '*PAR2 118  117 *.             DNM=98-476  BL=30 B9D  0614  DS 15C
02590  008560     03 FILLER  PIC 9(10) COMP-3 VALUE  0528180000.                    DNM=98-490  BL=30 BAC  0629  DS 6P
02591  008570     03 FILLER  PIC X(15)        VALUE '*PRC1          *.             DNM=99-000  BL=30 BB2  0635  DS 15C
02592  008580     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200000.                    DNM=99-014  BL=30 BC1  0650  DS 6P
02593  008590     03 FILLER  PIC X(15)        VALUE '*100  102  103 *.             DNM=99-028  BL=30 BC7  0656  DS 15C
02594  008600     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200200.                    DNM=99-042  BL=30 BD6  0671  DS 6P
02595  008610     03 FILLER  PIC X(15)        VALUE '*107  108  TTC1 *.            DNM=99-056  BL=30 BDC  0677  DS 15C
02596  008620     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200201.                    DNM=99-070  BL=30 BEB  0692  DS 6P
02597  008630     03 FILLER  PIC X(15)        VALUE '*TTC6          *.             DNM=99-084  BL=30 BF1  0698  DS 15C
02598  008640     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200204.                    DNM=99-098  BL=30 C00  0713  DS 6P
02599  008650     03 FILLER  PIC X(15)        VALUE '*TTC7 TTC8     *.             DNM=99-112  BL=30 C06  0719  DS 15C
02600  008660     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200207.                    DNM=99-126  BL=30 C15  0734  DS 6P
02601  008670     03 FILLER  PIC X(15)        VALUE '*TTC2          *.             DNM=99-140  BL=30 C1B  0740  DS 15C
02602  008680     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200300.                    DNM=99-154  BL=30 C2A  0755  DS 6P
02603  008690     03 FILLER  PIC X(15)        VALUE '*TGC1 TGC2 TGC3*.             DNM=99-168  BL=30 C30  0761  DS 15C
02604  008700     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200600.                    DNM=99-182  BL=30 C3F  0776  DS 6P
02605  008710     03 FILLER  PIC X(15)        VALUE '*TC01 TC02     *.             DNM=99-196  BL=30 C45  0782  DS 15C
02606  008720     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200800.                    DNM=99-210  BL=30 C54  0797  DS 6P
02607  008730     03 FILLER  PIC X(15)        VALUE '*TFC1 TFC2 TFC3*.             DNM=99-224  BL=30 C5A  0803  DS 15C
02608  008740     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200801.                    DNM=99-238  BL=30 C69  0818  DS 6P
02609  008750     03 FILLER  PIC X(15)        VALUE '*TFC6          *.             DNM=99-252  BL=30 C6F  0824  DS 15C
02610  008760     03 FILLER  PIC 9(10) COMP-3 VALUE  0528200900.                    DNM=99-266  BL=30 C7E  0839  DS 6P
02611  008770     03 FILLER  PIC X(15)        VALUE '*TBS1          *.             DNM=99-280  BL=30 C84  0845  DS 15C
02612  008780     03 FILLER  PIC 9(10) COMP-3 VALUE  0528201000.                    DNM=99-294  BL=30 C93  0860  DS 6P
02613  008790     03 FILLER  PIC X(15)        VALUE '*TTN1 TTN2 TTN3*.             DNM=99-308  BL=30 C99  0866  DS 15C
02614  008800     03 FILLER  PIC 9(10) COMP-3 VALUE  0528201001.                    DNM=99-322  BL=30 CA8  0881  DS 6P
02615  008810     03 FILLER  PIC X(15)        VALUE '*TTN6          *.             DNM=99-336  BL=30 CAE  0887  DS 15C
02616  008820     03 FILLER  PIC 9(10) COMP-3 VALUE  0528201100.                    DNM=99-350  BL=30 CBD  0902  DS 6P
02617  008830     03 FILLER  PIC X(15)        VALUE '*TOC1          *.             DNM=99-364  BL=30 CC3  0908  DS 15C
02618  008840     03 FILLER  PIC 9(10) COMP-3 VALUE  0528201101.                    DNM=99-378  BL=30 CD2  0923  DS 6P
02619  008850     03 FILLER  PIC X(15)        VALUE '*TOC2          *.             DNM=99-392  BL=30 CD8  0929  DS 15C
02620  008860     03 FILLER  PIC 9(10) COMP-3 VALUE  0528201200.                    DNM=99-406  BL=30 CE7  0944  DS 6P
02621  008870     03 FILLER  PIC X(15)        VALUE '*TTY1 TTY2     *.             DNM=99-420  BL=30 CED  0950  DS 15C
02622  008880     03 FILLER  PIC 9(10) COMP-3 VALUE  0528201600.                    DNM=99-434  BL=30 CFC  0965  DS 6P
02623  008890     03 FILLER  PIC X(15)        VALUE '*THC1          *.             DNM=99-448  BL=30 D02  0971  DS 15C
02624  008900     03 FILLER  PIC 9(10) COMP-3 VALUE  0528201700.                    DNM=99-462  BL=30 D11  0986  DS 6P
02625  008910     03 FILLER  PIC X(15)        VALUE '*104  TCC1 TCC2*.             DNM=99-476  BL=30 D17  0992  DS 15C
02626  008920     03 FILLER  PIC 9(10) COMP-3 VALUE  0529201800.                    DNM=99-490  BL=30 D26  1007  DS 6P
02627  008930     03 FILLER  PIC X(15)        VALUE '*TBC1          *.             DNM=100-00  BL=30 D2C  1013  DS 15C
02628  008940     03 FILLER  PIC 9(10) COMP-3 VALUE  0528201900.                    DNM=100-01  BL=30 D38  1028  DS 6P
02629  008950     03 FILLER  PIC X(15)        VALUE '*TCS1          *.             DNM=100-02  BL=30 D41  1034  DS 15C
02630  008960     03 FILLER  PIC 9(10) COMP-3 VALUE  0528202000.                    DNM=100-04  BL=30 D50  1049  DS 6P
02631  008970     03 FILLER  PIC X(15)        VALUE '*TSC1 TSC2 TSC3*.             DNM=100-05  BL=30 D56  1055  DS 15C
02632  008980     03 FILLER  PIC 9(10) COMP-3 VALUE  0528202100.                    DNM=100-07  BL=30 D65  1070  DS 6P
02633  008990     03 FILLER  PIC X(15)        VALUE '*TB81 TB82     *.             DNM=100-08  BL=30 D68  1076  DS 15C
02634  009000     03 FILLER  PIC 9(10) COMP-3 VALUE  0528202200.                    DNM=100-09  BL=30 D7A  1091  DS 6P
02635  009010     03 FILLER  PIC X(15)        VALUE '*TCM1          *.             DNM=100-11  BL=30 D80  1097  DS 15C
```

```
02636  009020      03 FILLER  PIC 9(10) COMP-3 VALUE  0528202500.                    DNM=100-12  BL=30 D8F  1112  DS 6P
02637  009030      03 FILLER  PIC X(15)         VALUE 'THM1          '.            DNM=100-14  BL=30 D95  1118  DS 15C
02638  009040      03 FILLER  PIC 9(10) COMP-3 VALUE  0528202600.                    DNM=100-15  BL=30 DA4  1133  DS 6P
02639  009050      03 FILLER  PIC X(15)         VALUE 'TCL1          '.            DNM=100-16  BL=30 DAA  1139  DS 15C
02640  009060      03 FILLER  PIC 9(10) COMP-3 VALUE  0528220000.                    DNM=100-18  BL=30 DB9  1154  DS 6P
02641  009070      03 FILLER  PIC X(15)         VALUE 'PRD1          '.            DNM=100-19  BL=30 DBF  1160  DS 15C
02642  009080      03 FILLER  PIC 9(10) COMP-3 VALUE  0528230000.                    DNM=100-21  BL=30 DCE  1175  DS 6P
02643  009090      03 FILLER  PIC X(15)         VALUE '113  114      '.            DNM=100-22  BL=30 DD4  1181  DS 15C
02644  009100      03 FILLER  PIC 9(10) COMP-3 VALUE  0528230400.                    DNM=100-23  BL=30 DE3  1196  DS 6P
02645  009110      03 FILLER  PIC X(15)         VALUE 'PCC1          '.            DNM=100-25  BL=30 DE9  1202  DS 15C
02646  009120      03 FILLER  PIC 9(10) COMP-3 VALUE  0528270000.                    DNM=100-26  BL=30 DF8  1217  DS 6P
02647  009130      03 FILLER  PIC X(15)         VALUE 'PHC1          '.            DNM=100-28  BL=30 DFE  1223  DS 15C
02648  009140      03 FILLER  PIC 9(10) COMP-3 VALUE  0528290000.                    DNM=100-29  BL=30 E0D  1238  DS 6P
02649  009150      03 FILLER  PIC X(15)         VALUE '119  120  123'.            DNM=100-30  BL=30 E13  1244  DS 15C
02650  009160      03 FILLER  PIC 9(10) COMP-3 VALUE  0528290100.                    DNM=100-32  BL=30 E22  1259  DS 6P
02651  009170      03 FILLER  PIC X(15)         VALUE 'PAR4 121  122 '.            DNM=100-33  BL=30 E28  1265  DS 15C
02652  009180      03 FILLER  PIC 9(10) COMP-3 VALUE  0528290104.                    DNM=100-35  BL=30 E37  1280  DS 6P
02653  009190      03 FILLER  PIC X(15)         VALUE 'PBB2          '.            DNM=100-36  BL=30 E3D  1286  DS 15C
02654  009200      03 FILLER  PIC 9(10) COMP-3 VALUE  0528290105.                    DNM=100-37  BL=30 E4C  1301  DS 6P
02655  009210      03 FILLER  PIC X(15)         VALUE 'PBB3          '.            DNM=100-39  BL=30 E52  1307  DS 15C
02656  009220      03 FILLER  PIC 9(10) COMP-3 VALUE  0528290106.                    DNM=100-40  BL=30 E61  1322  DS 6P
02657  009230      03 FILLER  PIC X(15)         VALUE 'PBB4          '.            DNM=100-42  BL=30 E67  1328  DS 15C
02658  009240      03 FILLER  PIC 9(10) COMP-3 VALUE  0528300000.                    DNM=100-43  BL=30 E76  1343  DS 6P
02659  009250      03 FILLER  PIC X(15)         VALUE '128  PNV1     '.            DNM=100-44  BL=30 E7C  1349  DS 15C
02660  009260      03 FILLER  PIC 9(10) COMP-3 VALUE  0528300100.                    DNM=100-46  BL=30 E8B  1364  DS 6P
02661  009270      03 FILLER  PIC X(15)         VALUE 'PNV2          '.            DNM=100-47  BL=30 E91  1370  DS 15C
02662  009280      03 FILLER  PIC 9(10) COMP-3 VALUE  0528350000.                    DNM=100-49  BL=30 EA0  1385  DS 6P
02663  009290      03 FILLER  PIC X(15)         VALUE 'PAR6 137  140 '.            DNM=101-00  BL=30 EA6  1391  DS 15C
02664  009300      03 FILLER  PIC 9(10) COMP-3 VALUE  0528350300.                    DNM=101-01  BL=30 E85  1406  DS 6P
02665  009310      03 FILLER  PIC X(15)         VALUE 'PDM2          '.            DNM=101-02  BL=30 E9B  1412  DS 15C
02666  009320      03 FILLER  PIC 9(10) COMP-3 VALUE  0528350400.                    DNM=101-04  BL=30 ECA  1427  DS 6P
02667  009330      03 FILLER  PIC X(15)         VALUE 'PAR7 139      '.            DNM=101-05  BL=30 ED0  1433  DS 15C
02668  009340      03 FILLER  PIC 9(10) COMP-3 VALUE  0528370000.                    DNM=101-07  BL=30 EDF  1448  DS 6P
02669  009350      03 FILLER  PIC X(15)         VALUE 'PAR11152  PAR12'.           DNM=101-08  BL=30 EE5  1454  DS 15C
02670  009360      03 FILLER  PIC 9(10) COMP-3 VALUE  0528370100.                    DNM=101-09  BL=30 EF4  1469  DS 6P
02671  009370      03 FILLER  PIC X(15)         VALUE 'PAR27         '.            DNM=101-11  BL=30 EFA  1475  DS 15C
02672  009380      03 FILLER  PIC 9(10) COMP-3 VALUE  0528370200.                    DNM=101-12  BL=30 F09  1490  DS 6P
02673  009390      03 FILLER  PIC X(15)         VALUE 'PAR31         '.            DNM=101-14  BL=30 F0F  1496  DS 15C
02674  009400      03 FILLER  PIC 9(10) COMP-3 VALUE  0528370201.                    DNM=101-15  BL=30 F1E  1511  DS 6P
02675  009410      03 FILLER  PIC X(15)         VALUE 'PAR32         '.            DNM=101-16  BL=30 F24  1517  DS 15C
02676  009420      03 FILLER  PIC 9(10) COMP-3 VALUE  0528370300.                    DNM=101-18  BL=30 F33  1532  DS 6P
02677  009430      03 FILLER  PIC X(15)         VALUE 'PAR30         '.            DNM=101-19  BL=30 F39  1538  DS 15C
02678  009440      03 FILLER  PIC 9(10) COMP-3 VALUE  0528371100.                    DNM=101-21  BL=30 F48  1553  DS 6P
02679  009450      03 FILLER  PIC X(15)         VALUE 'PAR26         '.            DNM=101-22  BL=30 F4E  1559  DS 15C
02680  009460      03 FILLER  PIC 9(10) COMP-3 VALUE  0528371200.                    DNM=101-23  BL=30 F5D  1574  DS 6P
02681  009470      03 FILLER  PIC X(15)         VALUE 'PAR14147      '.            DNM=101-25  BL=30 F63  1580  DS 15C
02682  009480      03 FILLER  PIC 9(10) COMP-3 VALUE  0528371201.                    DNM=101-26  BL=30 F72  1595  DS 6P
02683  009490      03 FILLER  PIC X(15)         VALUE 'PAR24         '.            DNM=101-28  BL=30 F78  1601  DS 15C
02684  009500      03 FILLER  PIC 9(10) COMP-3 VALUE  0528371202.                    DNM=101-29  BL=30 F87  1616  DS 6P
02685  009510      03 FILLER  PIC X(15)         VALUE 'PAR23         '.            DNM=101-30  BL=30 F8D  1622  DS 15C
02686  009520      03 FILLER  PIC 9(10) COMP-3 VALUE  0528371203.                    DNM=101-32  BL=30 F9C  1637  DS 6P
02687  009530      03 FILLER  PIC X(15)         VALUE 'PAR13148      '.            DNM=101-33  BL=30 FA2  1643  DS 15C
02688  009540      03 FILLER  PIC 9(10) COMP-3 VALUE  0528390100.                    DNM=101-35  BL=30 FB1  1658  DS 6P
02689  009550      03 FILLER  PIC X(15)         VALUE 'PAR25         '.            DNM=101-36  BL=30 FB7  1664  DS 15C
```

```
02690  009560  03 FILLER  PIC 9(10) COMP-3 VALUE  0528390101.          .  DNM=101-37  BL=30 FC6  1679  DS 6P
02691  009570  03 FILLER  PIC X(15)         VALUE 'PAR16               .  DNM=101-39  BL=30 FCC  1685  DS 15C
02692  009580  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400000.          .  DNM=101-40  BL=30 FD8  1700  DS 6P
02693  009590  03 FILLER  PIC X(15)         VALUE 'A9   A13  A15       .  DNM=101-42  BL=30 FE1  1706  DS 15C
02694  009600  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400200.          .  DNM=101-43  BL=30 FF0  1721  DS 6P
02695  009610  03 FILLER  PIC X(15)         VALUE 'A1                  .  DNM=101-44  BL=30 FF6  1727  DS 15C
02696  009620  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400201.          .  DNM=101-46  BL=31 005  1742  DS 6P
02697  009630  03 FILLER  PIC X(15)         VALUE 'A2   S86            .  DNM=101-47  BL=31 00B  1748  DS 15C
02698  009640  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400300.          .  DNM=101-49  BL=31 01A  1763  DS 6P
02699  009650  03 FILLER  PIC X(15)         VALUE 'A3                  .  DNM=102-00  BL=31 020  1769  DS 15C
02700  009660  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400400.          .  DNM=102-01  BL=31 02F  1784  DS 6P
02701  009670  03 FILLER  PIC X(15)         VALUE 'A4   A5             .  DNM=102-02  BL=31 035  1790  DS 15C
02702  009680  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400500.          .  DNM=102-04  BL=31 044  1805  DS 6P
02703  009690  03 FILLER  PIC X(15)         VALUE 'A6   A8             .  DNM=102-05  BL=31 04A  1811  DS 15C
02704  009700  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400502.          .  DNM=102-07  BL=31 059  1826  DS 6P
02705  009710  03 FILLER  PIC X(15)         VALUE 'A7                  .  DNM=102-08  BL=31 05F  1832  DS 15C
02706  009720  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400600.          .  DNM=102-09  BL=31 06E  1847  DS 6P
02707  009730  03 FILLER  PIC X(15)         VALUE 'A16                 .  DNM=102-11  BL=31 074  1853  DS 15C
02708  009740  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400700.          .  DNM=102-12  BL=31 083  1868  DS 6P
02709  009750  03 FILLER  PIC X(15)         VALUE 'A10  A11  S87       .  DNM=102-14  BL=31 089  1874  DS 15C
02710  009760  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400702.          .  DNM=102-15  BL=31 098  1889  DS 6P
02711  009770  03 FILLER  PIC X(15)         VALUE 'A12                 .  DNM=102-16  BL=31 09E  1895  DS 15C
02712  009780  03 FILLER  PIC 9(10) COMP-3 VALUE  0528400800.          .  DNM=102-18  BL=31 0AD  1910  DS 6P
02713  009790  03 FILLER  PIC X(15)         VALUE 'A14                 .  DNM=102-19  BL=31 0B3  1916  DS 15C
02714  009800  03 FILLER  PIC 9(10) COMP-3 VALUE  0528410000.          .  DNM=102-21  BL=31 0C2  1931  DS 6P
02715  009810  03 FILLER  PIC X(15)         VALUE 'A52                 .  DNM=102-22  BL=31 0C8  1937  DS 15C
02716  009820  03 FILLER  PIC 9(10) COMP-3 VALUE  0528410100.          .  DNM=102-23  BL=31 0D7  1952  DS 6P
02717  009830  03 FILLER  PIC X(15)         VALUE 'A50  A51  S90       .  DNM=102-25  BL=31 0DD  1958  DS 15C
02718  009840  03 FILLER  PIC 9(10) COMP-3 VALUE  0528410101.          .  DNM=102-26  BL=31 0EC  1973  DS 6P
02719  009850  03 FILLER  PIC X(15)         VALUE 'A53                 .  DNM=102-28  BL=31 0F2  1979  DS 15C
02720  009860  03 FILLER  PIC 9(10) COMP-3 VALUE  0528410200.          .  DNM=102-29  BL=31 101  1994  DS 6P
02721  009870  03 FILLER  PIC X(15)         VALUE 'A54  A55  S91       .  DNM=102-30  BL=31 107  2000  DS 15C
02722  009880  03 FILLER  PIC 9(10) COMP-3 VALUE  0528410300.          .  DNM=102-32  BL=31 116  2015  DS 6P
02723  009890  03 FILLER  PIC X(15)         VALUE 'A58  A59  S93       .  DNM=102-33  BL=31 11C  2021  DS 15C
02724  009900  03 FILLER  PIC 9(10) COMP-3 VALUE  0528410400.          .  DNM=102-35  BL=31 12B  2036  DS 6P
02725  009910  03 FILLER  PIC X(15)         VALUE 'A56  A57  S92       .  DNM=102-36  BL=31 131  2042  DS 15C
02726  009920  03 FILLER  PIC 9(10) COMP-3 VALUE  0529000000.          .  DNM=102-37  BL=31 140  2057  DS 6P
02727  009930  03 FILLER  PIC X(15)         VALUE 'B13  S97            .  DNM=102-39  BL=31 146  2063  DS 15C
02728  009940  03 FILLER  PIC 9(10) COMP-3 VALUE  0529010000.          .  DNM=102-40  BL=31 155  2078  DS 6P
02729  009950  03 FILLER  PIC X(15)         VALUE 'B10                 .  DNM=102-42  BL=31 15B  2084  DS 15C
02730  009960  03 FILLER  PIC 9(10) COMP-3 VALUE  0529040000.          .  DNM=102-43  BL=31 16A  2099  DS 6P
02731  009970  03 FILLER  PIC X(15)         VALUE 'B11  B12  S96       .  DNM=102-44  BL=31 170  2105  DS 15C
02732  009980  03 FILLER  PIC 9(10) COMP-3 VALUE  0529060000.          .  DNM=102-46  BL=31 17F  2120  DS 6P
02733  009990  03 FILLER  PIC X(15)         VALUE 'B19  S99            .  DNM=102-47  BL=31 185  2126  DS 15C
02734  010000  03 FILLER  PIC 9(10) COMP-3 VALUE  0531000000.          .  DNM=102-49  BL=31 194  2141  DS 6P
02735  010010  03 FILLER  PIC X(15)         VALUE 'B22  S98            .  DNM=103-00  BL=31 19A  2147  DS 15C
02736  010020  03 FILLER  PIC 9(10) COMP-3 VALUE  0531010000.          .  DNM=103-01  BL=31 1A9  2162  DS 6P
02737  010030  03 FILLER  PIC X(15)         VALUE 'B20  B21  S95       .  DNM=103-02  BL=31 1AF  2168  DS 15C
02738  010040  03 FILLER  PIC 9(10) COMP-3 VALUE  0532000000.          .  DNM=103-04  BL=31 1BE  2183  DS 6P
02739  010050  03 FILLER  PIC X(15)         VALUE 'B33  S85  S94       .  DNM=103-05  BL=31 1C4  2189  DS 15C
02740  010060  03 FILLER  PIC 9(10) COMP-3 VALUE  0532010000.          .  DNM=103-07  BL=31 1D3  2204  DS 6P
02741  010070  03 FILLER  PIC X(15)         VALUE 'B30  S84            .  DNM=103-08  BL=31 1D9  2210  DS 15C
02742  010080  03 FILLER  PIC 9(10) COMP-3 VALUE  0532020000.          .  DNM=103-09  BL=31 1E8  2225  DS 6P
02743  010090  03 FILLER  PIC X(15)         VALUE 'B31                 .  DNM=103-11  BL=31 1EE  2231  DS 15C
```

```
58        NM100          10.43.12        APR  3,1984                                  INT NAME   BASE  DISP RL01  DEFINITION

02744  010100     03 FILLER  PIC 9(10) COMP-3 VALUE  0532030000.                     DNM=103-12  BL=31 1FD  2246  DS  6P
02745  010110     03 FILLER  PIC X(15)        VALUE 'B32          '.                 DNM=103-14  BL=31 203  2252  DS 15C
02746  010120     03 FILLER  PIC 9(10) COMP-3 VALUE  0532040000.                     DNM=103-15  BL=31 212  2267  DS  6P
02747  010130     03 FILLER  PIC X(15)        VALUE 'B39          '.                 DNM=103-16  BL=31 218  2273  DS 15C
02748  010140     03 FILLER  PIC 9(10) COMP-3 VALUE  0533000000.                     DNM=103-18  BL=31 227  2288  DS  6P
02749  010150     03 FILLER  PIC X(15)        VALUE 'B41  B42  B46 '.                DNM=103-19  BL=31 22D  2294  DS 15C
02750  010160     03 FILLER  PIC 9(10) COMP-3 VALUE  0533010000.                     DNM=103-21  BL=31 23C  2309  DS  6P
02751  010170     03 FILLER  PIC X(15)        VALUE 'B49          '.                 DNM=103-22  BL=31 242  2315  DS 15C
02752  010180     03 FILLER  PIC 9(10) COMP-3 VALUE  0533020000.                     DNM=103-23  BL=31 251  2330  DS  6P
02753  010190     03 FILLER  PIC X(15)        VALUE 'JB5          '.                 DNM=103-25  BL=31 257  2336  DS 15C
02754  010200     03 FILLER  PIC 9(10) COMP-3 VALUE  0533030000.                     DNM=103-26  BL=31 266  2351  DS  6P
02755  010210     03 FILLER  PIC X(15)        VALUE 'B45          '.                 DNM=103-28  BL=31 26C  2357  DS 15C
02756  010220     03 FILLER  PIC 9(10) COMP-3 VALUE  0533040000.                     DNM=103-29  BL=31 27B  2372  DS  6P
02757  010230     03 FILLER  PIC X(15)        VALUE 'B43  B44  SB1 '.                DNM=103-30  BL=31 281  2378  DS 15C
02758  010240     03 FILLER  PIC 9(10) COMP-3 VALUE  0533050000.                     DNM=103-32  BL=31 290  2393  DS  6P
02759  010250     03 FILLER  PIC X(15)        VALUE 'B40  S82     '.                 DNM=103-33  BL=31 296  2399  DS 15C
02760  010260     03 FILLER  PIC 9(10) COMP-3 VALUE  0534000000.                     DNM=103-35  BL=31 2A5  2414  DS  6P
02761  010270     03 FILLER  PIC X(15)        VALUE 'M3   M20  M5  '.                DNM=103-36  BL=31 2AB  2420  DS 15C
02762  010280     03 FILLER  PIC 9(10) COMP-3 VALUE  0534010000.                     DNM=103-37  BL=31 2BA  2435  DS  6P
02763  010290     03 FILLER  PIC X(15)        VALUE 'CN7          '.                 DNM=103-39  BL=31 2C0  2441  DS 15C
02764  010300     03 FILLER  PIC 9(10) COMP-3 VALUE  0534020000.                     DNM=103-40  BL=31 2CF  2456  DS  6P
02765  010310     03 FILLER  PIC X(15)        VALUE 'CN6          '.                 DNM=103-42  BL=31 2D5  2462  DS 15C
02766  010320     03 FILLER  PIC 9(10) COMP-3 VALUE  0534030000.                     DNM=103-43  BL=31 2E4  2477  DS  6P
02767  010330     03 FILLER  PIC X(15)        VALUE 'CN8  S79     '.                 DNM=103-44  BL=31 2EA  2483  DS 15C
02768  010340     03 FILLER  PIC 9(10) COMP-3 VALUE  0534030400.                     DNM=103-46  BL=31 2F9  2498  DS  6P
02769  010350     03 FILLER  PIC X(15)        VALUE 'CN5  S80     '.                 DNM=103-47  BL=31 2FF  2504  DS 15C
02770  010360     03 FILLER  PIC 9(10) COMP-3 VALUE  0534050000.                     DNM=103-49  BL=31 30E  2519  DS  6P
02771  010370     03 FILLER  PIC X(15)        VALUE 'CN4  CN2     '.                 DNM=104-00  BL=31 314  2525  DS 15C
02772  010380     03 FILLER  PIC 9(10) COMP-3 VALUE  0534050100.                     DNM=104-01  BL=31 323  2540  DS  6P
02773  010390     03 FILLER  PIC X(15)        VALUE 'CN3          '.                 DNM=104-02  BL=31 329  2546  DS 15C
02774  010400     03 FILLER  PIC 9(10) COMP-3 VALUE  0534060000.                     DNM=104-04  BL=31 338  2561  DS  6P
02775  010410     03 FILLER  PIC X(15)        VALUE '             '.                 DNM=104-05  BL=31 33E  2567  DS 15C
02776  010420     03 FILLER  PIC 9(10) COMP-3 VALUE  0534060100.                     DNM=104-07  BL=31 34D  2582  DS  6P
02777  010430     03 FILLER  PIC X(15)        VALUE 'CN10         '.                 DNM=104-08  BL=31 353  2588  DS 15C
02778  010440     03 FILLER  PIC 9(10) COMP-3 VALUE  0534100000.                     DNM=104-09  BL=31 362  2603  DS  6P
02779  010450     03 FILLER  PIC X(15)        VALUE 'CN11 CN12 A01 '.                DNM=104-11  BL=31 368  2609  DS 15C
02780  010460     03 FILLER  PIC 9(10) COMP-3 VALUE  0534100100.                     DNM=104-12  BL=31 377  2624  DS  6P
02781  010470     03 FILLER  PIC X(15)        VALUE 'D01C D02C D03C '.               DNM=104-14  BL=31 37D  2630  DS 15C
02782  010480     03 FILLER  PIC 9(10) COMP-3 VALUE  0534100200.                     DNM=104-15  BL=31 38C  2645  DS  6P
02783  010490     03 FILLER  PIC X(15)        VALUE 'D10C D11C D12C '.               DNM=104-16  BL=31 392  2651  DS 15C
02784  010500     03 FILLER  PIC 9(10) COMP-3 VALUE  0534110000.                     DNM=104-18  BL=31 3A1  2666  DS  6P
02785  010510     03 FILLER  PIC X(15)        VALUE 'CN1          '.                 DNM=104-19  BL=31 3A7  2672  DS 15C
02786  010520     03 FILLER  PIC 9(10) COMP-3 VALUE  0534110100.                     DNM=104-21  BL=31 3B6  2687  DS  6P
02787  010530     03 FILLER  PIC X(15)        VALUE 'S72          '.                 DNM=104-22  BL=31 3BC  2693  DS 15C
02788  010540     03 FILLER  PIC 9(10) COMP-3 VALUE  0534130000.                     DNM=104-23  BL=31 3CB  2708  DS  6P
02789  010550     03 FILLER  PIC X(15)        VALUE 'CN14         '.                 DNM=104-25  BL=31 3D1  2714  DS 15C
02790  010560     03 FILLER  PIC 9(10) COMP-3 VALUE  0534130100.                     DNM=104-26  BL=31 3E0  2729  DS  6P
02791  010570     03 FILLER  PIC X(15)        VALUE 'S71          '.                 DNM=104-28  BL=31 3E6  2735  DS 15C
02792  010580     03 FILLER  PIC 9(10) COMP-3 VALUE  0534150000.                     DNM=104-29  BL=31 3F5  2750  DS  6P
02793  010590     03 FILLER  PIC X(15)        VALUE 'CS12 CS14 NBR2 '.               DNM=104-30  BL=31 3FB  2756  DS 15C
02794  010600     03 FILLER  PIC 9(10) COMP-3 VALUE  0534150100.                     DNM=104-32  BL=31 40A  2771  DS  6P
02795  010610     03 FILLER  PIC X(15)        VALUE 'CS11         '.                 DNM=104-33  BL=31 410  2777  DS 15C
02796  010620     03 FILLER  PIC 9(10) COMP-3 VALUE  0534160000.                     DNM=104-35  BL=31 41F  2792  DS  6P
02797  010630     03 FILLER  PIC X(15)        VALUE 'CS10         '.                 DNM=104-36  BL=31 425  2798  DS 15C
```

```
02798  010640      03 FILLER  PIC 9(10) COMP-3 VALUE  0534170000.                    DNM=104-37  BL=31 434  2813  DS 6P
02799  010650      03 FILLER  PIC X(15)         VALUE 'CS13          '.             DNM=104-39  BL=31 43A  2819  DS 15C
02800  010660      03 FILLER  PIC 9(10) COMP-3 VALUE  0534190000.                    DNM=104-40  BL=31 449  2834  DS 6P
02801  010670      03 FILLER  PIC X(15)         VALUE 'CS1           '.             DNM=104-42  BL=31 44F  2840  DS 15C
02802  010680      03 FILLER  PIC 9(10) COMP-3 VALUE  0534200000.                    DNM=104-43  BL=31 45E  2855  DS 6P
02803  010690      03 FILLER  PIC X(15)         VALUE 'CS3  CS5      '.             DNM=104-44  BL=31 464  2861  DS 15C
02804  010700      03 FILLER  PIC 9(10) COMP-3 VALUE  0534200200.                    DNM=104-46  BL=31 473  2876  DS 6P
02805  010710      03 FILLER  PIC X(15)         VALUE 'CS2           '.             DNM=104-47  BL=31 479  2882  DS 15C
02806  010720      03 FILLER  PIC 9(10) COMP-3 VALUE  0534200300.                    DNM=104-49  BL=31 488  2897  DS 6P
02807  010730      03 FILLER  PIC X(15)         VALUE 'CS4  S73  S74 '.             DNM=105-00  BL=31 48E  2903  DS 15C
02808  010740      03 FILLER  PIC 9(10) COMP-3 VALUE  0534210000.                    DNM=105-01  BL=31 490  2918  DS 6P
02809  010750      03 FILLER  PIC X(15)         VALUE 'D9   D1       '.             DNM=105-02  BL=31 4A3  2924  DS 15C
02810  010760      03 FILLER  PIC 9(10) COMP-3 VALUE  0534210102.                    DNM=105-04  BL=31 4B2  2939  DS 6P
02811  010770      03 FILLER  PIC X(15)         VALUE 'D2            '.             DNM=105-05  BL=31 4B8  2945  DS 15C
02812  010780      03 FILLER  PIC 9(10) COMP-3 VALUE  0534210200.                    DNM=105-07  BL=31 4C7  2960  DS 6P
02813  010790      03 FILLER  PIC X(15)         VALUE 'D3   D4   D10 '.             DNM=105-08  BL=31 4CD  2966  DS 15C
02814  010800      03 FILLER  PIC 9(10) COMP-3 VALUE  0534210204.                    DNM=105-09  BL=31 4DC  2981  DS 6P
02815  010810      03 FILLER  PIC X(15)         VALUE 'D5   S75      '.             DNM=105-11  BL=31 4E2  2987  DS 15C
02816  010820      03 FILLER  PIC 9(10) COMP-3 VALUE  0534210300.                    DNM=105-12  BL=31 4F1  3002  DS 6P
02817  010830      03 FILLER  PIC X(15)         VALUE 'D6   D7   S76 '.             DNM=105-14  BL=31 4F7  3008  DS 15C
02818  010840      03 FILLER  PIC 9(10) COMP-3 VALUE  0534210302.                    DNM=105-15  BL=31 506  3023  DS 6P
02819  010850      03 FILLER  PIC X(15)         VALUE 'D8   S77      '.             DNM=105-16  BL=31 50C  3029  DS 15C
02820  010860      03 FILLER  PIC 9(10) COMP-3 VALUE  0534250000.                    DNM=105-18  BL=31 518  3044  DS 6P
02821  010870      03 FILLER  PIC X(15)         VALUE 'NBR4          '.             DNM=105-19  BL=31 521  3050  DS 15C
02822  010880      03 FILLER  PIC 9(10) COMP-3 VALUE  0534260000.                    DNM=105-21  BL=31 530  3065  DS 6P
02823  010890      03 FILLER  PIC X(15)         VALUE 'NBR3          '.             DNM=105-22  BL=31 536  3071  DS 15C
02824  010900      03 FILLER  PIC 9(10) COMP-3 VALUE  0535000100.                    DNM=105-23  BL=31 545  3086  DS 6P
02825  010910      03 FILLER  PIC X(15)         VALUE 'F23  M6   M7  '.             DNM=105-25  BL=31 54B  3092  DS 15C
02826  010920      03 FILLER  PIC 9(10) COMP-3 VALUE  0535000200.                    DNM=105-26  BL=31 55A  3107  DS 6P
02827  010930      03 FILLER  PIC X(15)         VALUE '417S 418S 420 '.             DNM=105-28  BL=31 560  3113  DS 15C
02828  010940      03 FILLER  PIC 9(10) COMP-3 VALUE  0535000300.                    DNM=105-29  BL=31 56F  3128  DS 6P
02829  010950      03 FILLER  PIC X(15)         VALUE '400  401  402S'.             DNM=105-30  BL=31 575  3134  DS 15C
02830  010960      03 FILLER  PIC 9(10) COMP-3 VALUE  0535020000.                    DNM=105-32  BL=31 584  3149  DS 6P
02831  010970      03 FILLER  PIC X(15)         VALUE 'E2   E1   E3  '.             DNM=105-33  BL=31 58A  3155  DS 15C
02832  010980      03 FILLER  PIC 9(10) COMP-3 VALUE  0535030000.                    DNM=105-35  BL=31 599  3170  DS 6P
02833  010990      03 FILLER  PIC X(15)         VALUE 'E14  E12  NBC1'.             DNM=105-36  BL=31 59F  3176  DS 15C
02834  011000      03 FILLER  PIC 9(10) COMP-3 VALUE  0535030300.                    DNM=105-37  BL=31 5AE  3191  DS 6P
02835  011010      03 FILLER  PIC X(15)         VALUE 'E13  S64      '.             DNM=105-39  BL=31 5B4  3197  DS 15C
02836  011020      03 FILLER  PIC 9(10) COMP-3 VALUE  0535030600.                    DNM=105-40  BL=31 5C3  3212  DS 6P
02837  011030      03 FILLER  PIC X(15)         VALUE 'E10  BC11     '.             DNM=105-42  BL=31 5C9  3218  DS 15C
02838  011040      03 FILLER  PIC 9(10) COMP-3 VALUE  0535030601.                    DNM=105-43  BL=31 5D8  3233  DS 6P
02839  011050      03 FILLER  PIC X(15)         VALUE 'BC1           '.             DNM=105-44  BL=31 5DE  3239  DS 15C
02840  011060      03 FILLER  PIC 9(10) COMP-3 VALUE  0535030700.                    DNM=105-46  BL=31 5ED  3254  DS 6P
02841  011070      03 FILLER  PIC X(15)         VALUE 'E11  NBC2     '.             DNM=105-47  BL=31 5F3  3260  DS 15C
02842  011080      03 FILLER  PIC 9(10) COMP-3 VALUE  0535031000.                    DNM=105-49  BL=31 602  3275  DS 6P
02843  011090      03 FILLER  PIC X(15)         VALUE 'E16           '.             DNM=106-00  BL=31 608  3281  DS 15C
02844  011100      03 FILLER  PIC 9(10) COMP-3 VALUE  0535031100.                    DNM=106-01  BL=31 617  3296  DS 6P
02845  011110      03 FILLER  PIC X(15)         VALUE 'E15  BC3  BC14'.             DNM=106-02  BL=31 61D  3302  DS 15C
02846  011120      03 FILLER  PIC 9(10) COMP-3 VALUE  0535050000.                    DNM=106-04  BL=31 62C  3317  DS 6P
02847  011130      03 FILLER  PIC X(15)         VALUE 'F5   F2   A1  '.             DNM=106-05  BL=31 632  3323  DS 15C
02848  011140      03 FILLER  PIC 9(10) COMP-3 VALUE  0535050100.                    DNM=106-07  BL=31 641  3338  DS 6P
02849  011150      03 FILLER  PIC X(15)         VALUE 'S60           '.             DNM=106-08  BL=31 647  3344  DS 15C
02850  011160      03 FILLER  PIC 9(10) COMP-3 VALUE  0535050200.                    DNM=106-09  BL=31 656  3359  DS 6P
02851  011170      03 FILLER  PIC X(15)         VALUE 'F1   D1   D2  '.             DNM=106-11  BL=31 65C  3365  DS 15C
```

```
02852 011180 03 FILLER PIC 9(10) COMP-3 VALUE 0535060000.                    INT NAME=106-12 BL=31 668 3380 DS 6P
02853 011190 03 FILLER PIC X(15)        VALUE 'F3D  F3N       '.            INT NAME=106-14 BL=31 671 3386 DS 15C
02854 011200 03 FILLER PIC 9(10) COMP-3 VALUE  0535070000.                  INT NAME=106-15 BL=31 680 3401 DS 6P
02855 011210 03 FILLER PIC X(15)        VALUE 'F4   S58       '.            INT NAME=106-16 BL=31 686 3407 DS 15C
02856 011220 03 FILLER PIC 9(10) COMP-3 VALUE  0535080000.                  INT NAME=106-18 BL=31 695 3422 DS 6P
02857 011230 03 FILLER PIC X(15)        VALUE 'F13  F14  NGC1 '.            INT NAME=106-19 BL=31 698 3428 DS 15C
02858 011240 03 FILLER PIC 9(10) COMP-3 VALUE  0535080200.                  INT NAME=106-21 BL=31 6AA 3443 DS 6P
02859 011250 03 FILLER PIC X(15)        VALUE 'F10  F11  NGC2 '.            INT NAME=106-22 BL=31 6B0 3449 DS 15C
02860 011260 03 FILLER PIC 9(10) COMP-3 VALUE  0535080300.                  INT NAME=106-23 BL=31 6BF 3464 DS 6P
02861 011270 03 FILLER PIC X(15)        VALUE 'F12  NGC3      '.            INT NAME=106-25 BL=31 6C5 3470 DS 15C
02862 011280 03 FILLER PIC 9(10) COMP-3 VALUE  0535080500.                  INT NAME=106-26 BL=31 6D4 3485 DS 6P
02863 011290 03 FILLER PIC X(15)        VALUE 'F15            '.            INT NAME=106-28 BL=31 6DA 3491 DS 15C
02864 011300 03 FILLER PIC 9(10) COMP-3 VALUE  0535090000.                  INT NAME=106-29 BL=31 6E9 3506 DS 6P
02865 011310 03 FILLER PIC X(15)        VALUE 'F21  F22  NDC1 '.            INT NAME=106-30 BL=31 6EF 3512 DS 15C
02866 011320 03 FILLER PIC 9(10) COMP-3 VALUE  0535090100.                  INT NAME=106-32 BL=31 6FE 3527 DS 6P
02867 011330 03 FILLER PIC X(15)        VALUE 'F20            '.            INT NAME=106-33 BL=31 704 3533 DS 15C
02868 011340 03 FILLER PIC 9(10) COMP-3 VALUE  0535090200.                  INT NAME=106-35 BL=31 713 3548 DS 6P
02869 011350 03 FILLER PIC X(15)        VALUE 'NDC2           '.            INT NAME=106-36 BL=31 719 3554 DS 15C
02870 011360 03 FILLER PIC 9(10) COMP-3 VALUE  0535100000.                  INT NAME=106-37 BL=31 728 3569 DS 6P
02871 011370 03 FILLER PIC X(15)        VALUE '428  429$ NR8$ '.            INT NAME=106-39 BL=31 72E 3575 DS 15C
02872 011380 03 FILLER PIC 9(10) COMP-3 VALUE  0535110000.                  INT NAME=106-40 BL=31 730 3590 DS 6P
02873 011390 03 FILLER PIC X(15)        VALUE '426  427  NR6  '.            INT NAME=106-42 BL=31 743 3596 DS 15C
02874 011400 03 FILLER PIC 9(10) COMP-3 VALUE  0535120000.                  INT NAME=106-43 BL=31 752 3611 DS 6P
02875 011410 03 FILLER PIC X(15)        VALUE '424  425  L4   '.            INT NAME=106-44 BL=31 758 3617 DS 15C
02876 011420 03 FILLER PIC 9(10) COMP-3 VALUE  0535130000.                  INT NAME=106-46 BL=31 767 3632 DS 6P
02877 011430 03 FILLER PIC X(15)        VALUE '423  L5   NNC1 '.            INT NAME=106-47 BL=31 76D 3638 DS 15C
02878 011440 03 FILLER PIC 9(10) COMP-3 VALUE  0535140000.                  INT NAME=106-49 BL=31 77C 3653 DS 6P
02879 011450 03 FILLER PIC X(15)        VALUE '419  NR2  NDK1 '.            INT NAME=107-00 BL=31 782 3659 DS 15C
02880 011460 03 FILLER PIC 9(10) COMP-3 VALUE  0535150000.                  INT NAME=107-01 BL=31 791 3674 DS 6P
02891 011470 03 FILLER PIC X(15)        VALUE '431  433  K4   '.            INT NAME=107-02 BL=31 797 3680 DS 15C
02882 011480 03 FILLER PIC 9(10) COMP-3 VALUE  0535150100.                  INT NAME=107-04 BL=31 7A6 3695 DS 6P
02883 011490 03 FILLER PIC X(15)        VALUE 'NR10           '.            INT NAME=107-05 BL=31 7AC 3701 DS 15C
02884 011500 03 FILLER PIC 9(10) COMP-3 VALUE  0535150200.                  INT NAME=107-07 BL=31 7BB 3716 DS 6P
02885 011510 03 FILLER PIC X(15)        VALUE '432  NSC1      '.            INT NAME=107-08 BL=31 7C1 3722 DS 15C
02886 011520 03 FILLER PIC 9(10) COMP-3 VALUE  0535150300.                  INT NAME=107-09 BL=31 7D0 3737 DS 6P
02887 011530 03 FILLER PIC X(15)        VALUE 'NSC2           '.            INT NAME=107-11 BL=31 7D6 3743 DS 15C
02888 011540 03 FILLER PIC 9(10) COMP-3 VALUE  0535150400.                  INT NAME=107-12 BL=31 7E5 3758 DS 6P
02889 011550 03 FILLER PIC X(15)        VALUE 'NSC3           '.            INT NAME=107-14 BL=31 7EB 3764 DS 15C
02890 011560 03 FILLER PIC 9(10) COMP-3 VALUE  0535160000.                  INT NAME=107-15 BL=31 7FA 3779 DS 6P
02891 011570 03 FILLER PIC X(15)        VALUE '435  436  NR11 '.            INT NAME=107-16 BL=31 800 3785 DS 15C
02892 011580 03 FILLER PIC 9(10) COMP-3 VALUE  0535160300.                  INT NAME=107-18 BL=31 80F 3800 DS 6P
02893 011590 03 FILLER PIC X(15)        VALUE 'NHC2           '.            INT NAME=107-19 BL=31 815 3806 DS 15C
02894 011600 03 FILLER PIC 9(10) COMP-3 VALUE  0535170000.                  INT NAME=107-21 BL=31 824 3821 DS 6P
02895 011610 03 FILLER PIC X(15)        VALUE 'H2   H3   H5   '.            INT NAME=107-22 BL=31 82A 3827 DS 15C
02896 011620 03 FILLER PIC 9(10) COMP-3 VALUE  0535170100.                  INT NAME=107-23 BL=31 839 3842 DS 6P
02897 011630 03 FILLER PIC X(15)        VALUE 'H1             '.            INT NAME=107-25 BL=31 83F 3848 DS 15C
02898 011640 03 FILLER PIC 9(10) COMP-3 VALUE  0535170200.                  INT NAME=107-26 BL=31 84E 3863 DS 6P
02899 011650 03 FILLER PIC X(15)        VALUE 'S3             '.            INT NAME=107-28 BL=31 854 3869 DS 15C
02900 011660 03 FILLER PIC 9(10) COMP-3 VALUE  0535170300.                  INT NAME=107-29 BL=31 863 3884 DS 6P
02901 011670 03 FILLER PIC X(15)        VALUE 'H4             '.            INT NAME=107-30 BL=31 869 3890 DS 15C
02902 011680 03 FILLER PIC 9(10) COMP-3 VALUE  0535170400.                  INT NAME=107-32 BL=31 878 3905 DS 6P
02903 011690 03 FILLER PIC X(15)        VALUE 'NCC1           '.            INT NAME=107-33 BL=31 87E 3911 DS 15C
02904 011700 03 FILLER PIC 9(10) COMP-3 VALUE  0535200000.                  INT NAME=107-35 BL=31 88D 3926 DS 6P
02905 011710 03 FILLER PIC X(15)        VALUE 'G21  G22  122  '.            INT NAME=107-36 BL=31 893 3932 DS 15C
```

```
                                                                                                                    INT NAME    BASE  DISP RL01  DEFINITION
02906  011720  03 FILLER  PIC 9(10) COMP-3 VALUE  0535200100.                                                      DNM=107-37  BL=31 8A2  3947  DS 6P
02907  011730  03 FILLER  PIC X(15)         VALUE 'S24                 '.                                         DNM=107-39  BL=31 8A8  3953  DS 15C
02908  011740  03 FILLER  PIC 9(10) COMP-3 VALUE  0535200500.                                                      DNM=107-40  BL=31 8B7  3968  DS 6P
02909  011750  03 FILLER  PIC X(15)         VALUE 'S22                 '.                                         DNM=107-42  BL=31 8BD  3974  DS 15C
02910  011760  03 FILLER  PIC 9(10) COMP-3 VALUE  0535200600.                                                      DNM=107-43  BL=31 8CC  3989  DS 6P
02911  011770  03 FILLER  PIC X(15)         VALUE 'G20  121            '.                                         DNM=107-44  BL=31 8D2  3995  DS 15C
02912  011780  03 FILLER  PIC 9(10) COMP-3 VALUE  0535200701.                                                      DNM=107-46  BL=31 8E1  4010  DS 6P
02913  011790  03 FILLER  PIC X(15)         VALUE 'G19  S26            '.                                         DNM=107-47  BL=31 8E7  4016  DS 15C
02914  011800  03 FILLER  PIC 9(10) COMP-3 VALUE  0535220000.                                                      DNM=107-49  BL=31 8F6  4031  DS 6P
02915  011810  03 FILLER  PIC X(15)         VALUE 'NSR1 G13            '.                                         DNM=108-00  BL=31 8FC  4037  DS 15C
02916  011820  03 FILLER  PIC 9(10) COMP-3 VALUE  0535220100.                                                      DNM=108-01  BL=31 908  4052  DS 6P
02917  011830  03 FILLER  PIC X(15)         VALUE 'G15                 '.                                         DNM=108-02  BL=31 911  4058  DS 15C
02918  011840  03 FILLER  PIC 9(10) COMP-3 VALUE  0535220200.                                                      DNM=108-04  BL=31 920  4073  DS 6P
02919  011850  03 FILLER  PIC X(15)         VALUE 'I11  G16            '.                                         DNM=108-05  BL=31 926  4079  DS 15C
02920  011860  03 FILLER  PIC 9(10) COMP-3 VALUE  0535220300.                                                      DNM=108-07  BL=31 935  4094  DS 6P
02921  011870  03 FILLER  PIC X(15)         VALUE 'G11                 '.                                         DNM=108-08  BL=31 93B  4100  DS 15C
02922  011880  03 FILLER  PIC 9(10) COMP-3 VALUE  0535220400.                                                      DNM=108-09  BL=31 94A  4115  DS 6P
02923  011890  03 FILLER  PIC X(15)         VALUE 'G12                 '.                                         DNM=108-11  BL=31 950  4121  DS 15C
02924  011900  03 FILLER  PIC 9(10) COMP-3 VALUE  0535220500.                                                      DNM=108-12  BL=31 95F  4136  DS 6P
02925  011910  03 FILLER  PIC X(15)         VALUE 'I13  G10            '.                                         DNM=108-14  BL=31 965  4142  DS 15C
02926  011920  03 FILLER  PIC 9(10) COMP-3 VALUE  0535220600.                                                      DNM=108-15  BL=31 974  4157  DS 6P
02927  011930  03 FILLER  PIC X(15)         VALUE 'G14  S27            '.                                         DNM=108-16  BL=31 97A  4163  DS 15C
02928  011940  03 FILLER  PIC 9(10) COMP-3 VALUE  0535240000.                                                      DNM=108-18  BL=31 989  4178  DS 6P
02929  011950  03 FILLER  PIC X(15)         VALUE 'G4   G1   S39       '.                                         DNM=108-19  BL=31 98F  4184  DS 15C
02930  011960  03 FILLER  PIC 9(10) COMP-3 VALUE  0535240400.                                                      DNM=108-21  BL=31 99E  4199  DS 6P
02931  011970  03 FILLER  PIC X(15)         VALUE 'G2                  '.                                         DNM=108-22  BL=31 9A4  4205  DS 15C
02932  011980  03 FILLER  PIC 9(10) COMP-3 VALUE  0535240500.                                                      DNM=108-23  BL=31 9B3  4220  DS 6P
02933  011990  03 FILLER  PIC X(15)         VALUE 'S38                 '.                                         DNM=108-25  BL=31 9B9  4226  DS 15C
02934  012000  03 FILLER  PIC 9(10) COMP-3 VALUE  0535240600.                                                      DNM=108-26  BL=31 9C8  4241  DS 6P
02935  012010  03 FILLER  PIC X(15)         VALUE 'G3   S28            '.                                         DNM=108-28  BL=31 9CE  4247  DS 15C
02936  012020  03 FILLER  PIC 9(10) COMP-3 VALUE  0535240700.                                                      DNM=108-29  BL=31 9DD  4262  DS 6P
02937  012030  03 FILLER  PIC X(15)         VALUE '                    '.                                         DNM=108-30  BL=31 9E3  4268  DS 15C
02938  012040  03 FILLER  PIC 9(10) COMP-3 VALUE  0535250000.                                                      DNM=108-32  BL=31 9F2  4283  DS 6P
02939  012050  03 FILLER  PIC X(15)         VALUE '412  NSW1 NSW2      '.                                         DNM=108-33  BL=31 9F8  4289  DS 15C
02940  012060  03 FILLER  PIC 9(10) COMP-3 VALUE  0535250100.                                                      DNM=108-35  BL=31 A07  4304  DS 6P
02941  012070  03 FILLER  PIC X(15)         VALUE 'NSW6 NSW7 NSW8      '.                                         DNM=108-36  BL=31 A0D  4310  DS 15C
02942  012080  03 FILLER  PIC 9(10) COMP-3 VALUE  0535260000.                                                      DNM=108-37  BL=31 A1C  4325  DS 6P
02943  012090  03 FILLER  PIC X(15)         VALUE '4055 NPK1 NPK2      '.                                         DNM=108-39  BL=31 A22  4331  DS 15C
02944  012100  03 FILLER  PIC 9(10) COMP-3 VALUE  0535270000.                                                      DNM=108-40  BL=31 A31  4346  DS 6P
02945  012110  03 FILLER  PIC X(15)         VALUE 'NTQ1 NTQ2 NTQ3      '.                                         DNM=108-42  BL=31 A37  4352  DS 15C
02946  012120  03 FILLER  PIC 9(10) COMP-3 VALUE  0535280000.                                                      DNM=108-43  BL=31 A46  4367  DS 6P
02947  012130  03 FILLER  PIC X(15)         VALUE 'NTA1                '.                                         DNM=108-44  BL=31 A4C  4373  DS 15C
02948  012140  03 FILLER  PIC 9(10) COMP-3 VALUE  0535290000.                                                      DNM=108-46  BL=31 A5B  4388  DS 6P
02949  012150  03 FILLER  PIC X(15)         VALUE 'NBA1 NBA2 NBA3      '.                                         DNM=108-47  BL=31 A61  4394  DS 15C
02950  012160  03 FILLER  PIC 9(10) COMP-3 VALUE  0535300000.                                                      DNM=108-49  BL=31 A70  4409  DS 6P
02951  012170  03 FILLER  PIC X(15)         VALUE '500  501  502       '.                                         DNM=109-00  BL=31 A76  4415  DS 15C
02952  012180  03 FILLER  PIC 9(10) COMP-3 VALUE  0535300100.                                                      DNM=109-01  BL=31 A85  4430  DS 6P
02953  012190  03 FILLER  PIC X(15)         VALUE '513  514  TBR1      '.                                         DNM=109-02  BL=31 A8B  4436  DS 15C
02954  012200  03 FILLER  PIC 9(10) COMP-3 VALUE  0535300300.                                                      DNM=109-04  BL=31 A9A  4451  DS 6P
02955  012210  03 FILLER  PIC X(15)         VALUE 'TRE1                '.                                         DNM=109-05  BL=31 AA0  4457  DS 15C
02956  012220  03 FILLER  PIC 9(10) COMP-3 VALUE  0535300800.                                                      DNM=109-07  BL=31 AAF  4472  DS 6P
02957  012230  03 FILLER  PIC X(15)         VALUE 'TIS1 TIS2           '.                                         DNM=109-08  BL=31 AB5  4478  DS 15C
02958  012240  03 FILLER  PIC 9(10) COMP-3 VALUE  0535301400.                                                      DNM=109-09  BL=31 AC4  4493  DS 6P
02959  012250  03 FILLER  PIC X(15)         VALUE 'TMI1 TMI2           '.                                         DNM=109-11  BL=31 ACA  4499  DS 15C
```

```
                                                                           INT NAME     BASE  DISP RL01 DEFINITION
02960  012260  03 FILLER PIC 9(10) COMP-3 VALUE  0535301600.              DNM=109-12  BL=31 AD9  4514  DS 6P
02961  012270  03 FILLER PIC X(15)        VALUE 'TLH1            '.      DNM=109-14  BL=31 ADF  4520  DS 15C
02962  012280  03 FILLER PIC 9(10) COMP-3 VALUE  0535301700.              DNM=109-15  BL=31 AEE  4535  DS 6P
02963  012290  03 FILLER PIC X(15)        VALUE 'TMR1            '.      DNM=109-16  BL=31 AF4  4541  DS 15C
02964  012300  03 FILLER PIC 9(10) COMP-3 VALUE  0535301900.              DNM=109-18  BL=31 B03  4556  DS 6P
02965  012310  03 FILLER PIC X(15)        VALUE 'TBD1            '.      DNM=109-19  BL=31 B09  4562  DS 15C
02966  012320  03 FILLER PIC 9(10) COMP-3 VALUE  0535302000.              DNM=109-21  BL=31 B18  4577  DS 6P
02967  012330  03 FILLER PIC X(15)        VALUE 'TJU1            '.      DNM=109-22  BL=31 B1E  4583  DS 15C
02968  012340  03 FILLER PIC 9(10) COMP-3 VALUE  0535302200.              DNM=109-23  BL=31 B2D  4598  DS 6P
02969  012350  03 FILLER PIC X(15)        VALUE 'TCR2            '.      DNM=109-25  BL=31 B33  4604  DS 15C
02970  012360  03 FILLER PIC 9(10) COMP-3 VALUE  0535302300.              DNM=109-26  BL=31 B42  4619  DS 6P
02971  012370  03 FILLER PIC X(15)        VALUE 'TMU1            '.      DNM=109-28  BL=31 B48  4625  DS 15C
02972  012380  03 FILLER PIC 9(10) COMP-3 VALUE  0535302500.              DNM=109-29  BL=31 B57  4640  DS 6P
02973  012390  03 FILLER PIC X(15)        VALUE 'TBE1            '.      DNM=109-30  BL=31 B5D  4646  DS 15C
02974  012400  03 FILLER PIC 9(10) COMP-3 VALUE  0535303200.              DNM=109-32  BL=31 B6C  4661  DS 6P
02975  012410  03 FILLER PIC X(15)        VALUE 'TCY1            '.      DNM=109-33  BL=31 B72  4667  DS 15C
02976  012420  03 FILLER PIC 9(10) COMP-3 VALUE  0535303300.              DNM=109-35  BL=31 B81  4682  DS 6P
02977  012430  03 FILLER PIC X(15)        VALUE 'TTU1 TTU2       '.      DNM=109-36  BL=31 B87  4688  DS 15C
02978  012440  03 FILLER PIC 9(10) COMP-3 VALUE  0535340000.              DNM=109-37  BL=31 B96  4703  DS 6P
02979  012450  03 FILLER PIC X(15)        VALUE 'NPT1            '.      DNM=109-39  BL=31 B9C  4709  DS 15C
02980  012460  03 FILLER PIC 9(10) COMP-3 VALUE  0535350000.              DNM=109-40  BL=31 BAB  4724  DS 6P
02981  012470  03 FILLER PIC X(15)        VALUE 'NCO1 NCO2 NCO3 '.       DNM=109-42  BL=31 BB1  4730  DS 15C
02982  012480  03 FILLER PIC 9(10) COMP-3 VALUE  0535360000.              DNM=109-43  BL=31 BC0  4745  DS 6P
02983  012490  03 FILLER PIC X(15)        VALUE 'NKI1            '.      DNM=109-44  BL=31 BC6  4751  DS 15C
02984  012500  03 FILLER PIC 9(10) COMP-3 VALUE  0535370000.              DNM=109-46  BL=31 BD5  4766  DS 6P
02985  012510  03 FILLER PIC X(15)        VALUE 'NVI1            '.      DNM=109-47  BL=31 BDB  4772  DS 15C
02986  012520  03 FILLER PIC 9(10) COMP-3 VALUE  0535380000.              DNM=109-49  BL=31 BEA  4787  DS 6P
02987  012530  03 FILLER PIC X(15)        VALUE 'NHA1            '.      DNM=110-00  BL=31 BF0  4793  DS 15C
02988  012540  03 FILLER PIC 9(10) COMP-3 VALUE  0535390000.              DNM=110-01  BL=31 BFF  4808  DS 6P
02989  012550  03 FILLER PIC X(15)        VALUE 'NGR1 NGR2       '.      DNM=110-02  BL=31 C05  4814  DS 15C
02990  012560  03 FILLER PIC 9(10) COMP-3 VALUE  0535400000.              DNM=110-04  BL=31 C14  4829  DS 6P
02991  012570  03 FILLER PIC X(15)        VALUE 'NCNO1NCNO2NCNO3'.       DNM=110-05  BL=31 C1A  4835  DS 15C
02992  012580  03 FILLER PIC 9(10) COMP-3 VALUE  0535400100.              DNM=110-07  BL=31 C29  4850  DS 6P
02993  012590  03 FILLER PIC X(15)        VALUE 'NCNO8NCNO9NCN10'.       DNM=110-08  BL=31 C2F  4856  DS 15C
02994  012600  03 FILLER PIC 9(10) COMP-3 VALUE  0535400101.              DNM=110-09  BL=31 C3E  4871  DS 6P
02995  012610  03 FILLER PIC X(15)        VALUE 'NCN11           '.      DNM=110-11  BL=31 C44  4877  DS 15C
02996  012620  03 FILLER PIC 9(10) COMP-3 VALUE  0535420000.              DNM=110-12  BL=31 C53  4892  DS 6P
02997  012630  03 FILLER PIC X(15)        VALUE 'NST1 NST2       '.      DNM=110-14  BL=31 C59  4898  DS 15C
02998  012640  03 FILLER PIC 9(10) COMP-3 VALUE  0535430000.              DNM=110-15  BL=31 C68  4913  DS 6P
02999  012650  03 FILLER PIC X(15)        VALUE 'NSO1            '.      DNM=110-16  BL=31 C6E  4919  DS 15C
03000  012660  03 FILLER PIC 9(10) COMP-3 VALUE  0535440000.              DNM=110-18  BL=31 C7D  4934  DS 6P
03001  012670  03 FILLER PIC X(15)        VALUE 'NFA1 NFA2       '.      DNM=110-19  BL=31 C83  4940  DS 15C
03002  012680  03 FILLER PIC 9(10) COMP-3 VALUE  0535470000.              DNM=110-21  BL=31 C92  4955  DS 6P
03003  012690  03 FILLER PIC X(15)        VALUE 'NBE1            '.      DNM=110-22  BL=31 C98  4961  DS 15C
03004  012700  03 FILLER PIC 9(10) COMP-3 VALUE  0535480000.              DNM=110-23  BL=31 CA7  4976  DS 6P
03005  012710  03 FILLER PIC X(15)        VALUE 'NWA1            '.      DNM=110-25  BL=31 CAD  4982  DS 15C
03006  012720  03 FILLER PIC 9(10) COMP-3 VALUE  0535540000.              DNM=110-26  BL=31 CBC  4997  DS 6P
03007  012730  03 FILLER PIC X(15)        VALUE 'NLI1 NLI2 NLI3 '.       DNM=110-28  BL=31 CC2  5003  DS 15C
03008  012740  03 FILLER PIC 9(10) COMP-3 VALUE  0535550000.              DNM=110-29  BL=31 CD1  5018  DS 6P
03009  012750  03 FILLER PIC X(15)        VALUE 'NBD1            '.      DNM=110-30  BL=31 CD7  5024  DS 15C
03010  012760  03 FILLER PIC 9(10) COMP-3 VALUE  0535580000.              DNM=110-32  BL=31 CE6  5039  DS 6P
03011  012770  03 FILLER PIC X(15)        VALUE 'NFS1            '.      DNM=110-33  BL=31 CEC  5045  DS 15C
03012  012780  03 FILLER PIC 9(10) COMP-3 VALUE  0535600000.              DNM=110-35  BL=31 CFB  5060  DS 6P
03013  012790  03 FILLER PIC X(15)        VALUE 'NMI1 NMI2 NMI3 '.       DNM=110-36  BL=31 D01  5066  DS 15C
```

```
03014  012800  03 FILLER  PIC 9(10) COMP-3 VALUE  0535600100.                    DNM=110-37  BL=31 D10  5081  DS 6P
03015  012810  03 FILLER  PIC X(15)         VALUE 'NM15          '.             DNM=110-39  BL=31 D16  5087  DS 15C
03016  012820  03 FILLER  PIC 9(10) COMP-3 VALUE  0535640000.                    DNM=110-40  BL=31 D25  5102  DS 6P
03017  012830  03 FILLER  PIC X(15)         VALUE 'NBL1          '.             DNM=110-42  BL=31 D2B  5108  DS 15C
03018  012840  03 FILLER  PIC 9(10) COMP-3 VALUE  0535660000.                    DNM=110-43  BL=31 D3A  5123  DS 6P
03019  012850  03 FILLER  PIC X(15)         VALUE 'NMD1          '.             DNM=110-44  BL=31 D40  5129  DS 15C
03020  012860  03 FILLER  PIC 9(10) COMP-3 VALUE  0535660100.                    DNM=110-46  BL=31 D4F  5144  DS 6P
03021  012870  03 FILLER  PIC X(15)         VALUE 'NMD2          '.             DNM=110-47  BL=31 D55  5150  DS 15C
03022  012880  03 FILLER  PIC 9(10) COMP-3 VALUE  0537000000.                    DNM=110-49  BL=31 D64  5165  DS 6P
03023  012890  03 FILLER  PIC X(15)         VALUE 'J30  M17  M18 '.             DNM=111-00  BL=31 D6A  5171  DS 15C
03024  012900  03 FILLER  PIC 9(10) COMP-3 VALUE  0537010000.                    DNM=111-01  BL=31 D79  5186  DS 6P
03025  012910  03 FILLER  PIC X(15)         VALUE '              '.             DNM=111-02  BL=31 D7F  5192  DS 15C
03026  012920  03 FILLER  PIC 9(10) COMP-3 VALUE  0537030000.                    DNM=111-04  BL=31 D8E  5207  DS 6P
03027  012930  03 FILLER  PIC X(15)         VALUE 'J1   J3   S29 '.             DNM=111-05  BL=31 D94  5213  DS 15C
03028  012940  03 FILLER  PIC 9(10) COMP-3 VALUE  0537030100.                    DNM=111-07  BL=31 DA3  5228  DS 6P
03029  012950  03 FILLER  PIC X(15)         VALUE 'J2            '.             DNM=111-08  BL=31 DA9  5234  DS 15C
03030  012960  03 FILLER  PIC 9(10) COMP-3 VALUE  0537030200.                    DNM=111-09  BL=31 DB8  5249  DS 6P
03031  012970  03 FILLER  PIC X(15)         VALUE 'CC9  S30      '.             DNM=111-11  BL=31 DBE  5255  DS 15C
03032  012980  03 FILLER  PIC 9(10) COMP-3 VALUE  0537040000.                    DNM=111-12  BL=31 DCD  5270  DS 6P
03033  012990  03 FILLER  PIC X(15)         VALUE 'J11  J12  S36 '.             DNM=111-14  BL=31 D03  5276  DS 15C
03034  013000  03 FILLER  PIC 9(10) COMP-3 VALUE  0537040100.                    DNM=111-15  BL=31 DE2  5291  DS 6P
03035  013010  03 FILLER  PIC X(15)         VALUE 'J10           '.             DNM=111-16  BL=31 DE8  5297  DS 15C
03036  013020  03 FILLER  PIC 9(10) COMP-3 VALUE  0537040100.                    DNM=111-18  BL=31 DF7  5312  DS 6P
03037  013030  03 FILLER  PIC X(15)         VALUE 'J10  S33      '.             DNM=111-19  BL=31 DFD  5318  DS 15C
03038  013040  03 FILLER  PIC 9(10) COMP-3 VALUE  0537050000.                    DNM=111-21  BL=31 E0C  5333  DS 6P
03039  013050  03 FILLER  PIC X(15)         VALUE 'J13           '.             DNM=111-22  BL=31 E12  5339  DS 15C
03040  013060  03 FILLER  PIC 9(10) COMP-3 VALUE  0537060000.                    DNM=111-23  BL=31 E21  5354  DS 6P
03041  013070  03 FILLER  PIC X(15)         VALUE 'J21  J20      '.             DNM=111-25  BL=31 E27  5360  DS 15C
03042  013080  03 FILLER  PIC 9(10) COMP-3 VALUE  0600000000.                    DNM=111-26  BL=31 E36  5375  DS 6P
03043  013090  03 FILLER  PIC X(15)         VALUE 'S2            '.             DNM=111-28  BL=31 E3C  5381  DS 15C
03044  013100  03 FILLER  PIC 9(10) COMP-3 VALUE  0600080000.                    DNM=111-29  BL=31 E4B  5396  DS 6P
03045  013110  03 FILLER  PIC X(15)         VALUE '74            '.             DNM=111-30  BL=31 E51  5402  DS 15C
03046  013120  03 FILLER  PIC 9(10) COMP-3 VALUE  0600090000.                    DNM=111-32  BL=31 E60  5417  DS 6P
03047  013130  03 FILLER  PIC X(15)         VALUE '83   84       '.             DNM=111-33  BL=31 E66  5423  DS 15C
03048  013140  03 FILLER  PIC 9(10) COMP-3 VALUE  0601000000.                    DNM=111-35  BL=31 E75  5438  DS 6P
03049  013150  03 FILLER  PIC X(15)         VALUE 'S50  S48      '.             DNM=111-36  BL=31 E7B  5444  DS 15C
03050  013160  03 FILLER  PIC 9(10) COMP-3 VALUE  0601010000.                    DNM=111-37  BL=31 E8A  5459  DS 6P
03051  013170  03 FILLER  PIC X(15)         VALUE '91   94   CC0  '.             DNM=111-39  BL=31 E90  5465  DS 15C
03052  013180  03 FILLER  PIC 9(10) COMP-3 VALUE  0601010100.                    DNM=111-40  BL=31 E9F  5480  DS 6P
03053  013190  03 FILLER  PIC X(15)         VALUE '              '.             DNM=111-42  BL=31 EA5  5486  DS 15C
03054  013200  03 FILLER  PIC 9(10) COMP-3 VALUE  0601010101.                    DNM=111-43  BL=31 EB4  5501  DS 6P
03055  013210  03 FILLER  PIC X(15)         VALUE '92            '.             DNM=111-44  BL=31 EBA  5507  DS 15C
03056  013220  03 FILLER  PIC 9(10) COMP-3 VALUE  0601020000.                    DNM=111-46  BL=31 EC9  5522  DS 6P
03057  013230  03 FILLER  PIC X(15)         VALUE 'S49           '.             DNM=111-47  BL=31 ECF  5528  DS 15C
03058  013240  03 FILLER  PIC 9(10) COMP-3 VALUE  0601020100.                    DNM=111-49  BL=31 EDE  5543  DS 6P
03059  013250  03 FILLER  PIC X(15)         VALUE 'CC11          '.             DNM=112-00  BL=31 EE4  5549  DS 15C
03060  013260  03 FILLER  PIC 9(10) COMP-3 VALUE  0601040000.                    DNM=112-01  BL=31 EF3  5564  DS 6P
03061  013270  03 FILLER  PIC X(15)         VALUE 'S45  S46  S47 '.             DNM=112-02  BL=31 EF9  5570  DS 15C
03062  013280  03 FILLER  PIC 9(10) COMP-3 VALUE  0601040100.                    DNM=112-04  BL=31 F08  5585  DS 6P
03063  013290  03 FILLER  PIC X(15)         VALUE 'S42  S43      '.             DNM=112-05  BL=31 F0E  5591  DS 15C
03064  013300  03 FILLER  PIC 9(10) COMP-3 VALUE  0601040200.                    DNM=112-07  BL=31 F1D  5606  DS 6P
03065  013310  03 FILLER  PIC X(15)         VALUE 'CC10 S44      '.             DNM=112-08  BL=31 F23  5612  DS 15C
03066  013320  03 FILLER  PIC 9(10) COMP-3 VALUE  0601080000.                    DNM=112-09  BL=31 F32  5627  DS 6P
03067  013330  03 FILLER  PIC X(15)         VALUE '81   S19      '.             DNM=112-11  BL=31 F38  5633  DS 15C
```

```
03068  013340     03 FILLER  PIC 9(10) COMP-3 VALUE  0601080300.                    DNM=112-12  BL=31 F47  5648  DS 6P
03069  013350     03 FILLER  PIC X(15)        VALUE 'S17          '.               DNM=112-14  BL=31 F4D  5654  DS 15C
03070  013360     03 FILLER  PIC 9(10) COMP-3 VALUE  0601080400.                    DNM=112-15  BL=31 F5C  5669  DS 6P
03071  013370     03 FILLER  PIC X(15)        VALUE 'CC8          '.               DNM=112-16  BL=31 F62  5675  DS 15C
03072  013380     03 FILLER  PIC 9(10) COMP-3 VALUE  0601110000.                    DNM=112-18  BL=31 F71  5690  DS 6P
03073  013390     03 FILLER  PIC X(15)        VALUE 'CC7  S15     '.               DNM=112-19  BL=31 F77  5696  DS 15C
03074  013400     03 FILLER  PIC 9(10) COMP-3 VALUE  0601130000.                    DNM=112-21  BL=31 F86  5711  DS 6P
03075  013410     03 FILLER  PIC X(15)        VALUE 'CC19 72  CC14'.               DNM=112-22  BL=31 F8C  5717  DS 15C
03076  013420     03 FILLER  PIC 9(10) COMP-3 VALUE  0601130100.                    DNM=112-23  BL=31 F9B  5732  DS 6P
03077  013430     03 FILLER  PIC X(15)        VALUE 'CC6          '.               DNM=112-25  BL=31 FA1  5738  DS 15C
03078  013440     03 FILLER  PIC 9(10) COMP-3 VALUE  0601140000.                    DNM=112-26  BL=31 FB0  5753  DS 6P
03079  013450     03 FILLER  PIC X(15)        VALUE '73           '.               DNM=112-28  BL=31 FB6  5759  DS 15C
03080  013460     03 FILLER  PIC 9(10) COMP-3 VALUE  0601160000.                    DNM=112-29  BL=31 FC5  5774  DS 6P
03081  013470     03 FILLER  PIC X(15)        VALUE '53   S1      '.               DNM=112-30  BL=31 FCB  5780  DS 15C
03082  013480     03 FILLER  PIC 9(10) COMP-3 VALUE  0601160100.                    DNM=112-32  BL=31 FDA  5795  DS 6P
03083  013490     03 FILLER  PIC X(15)        VALUE '52           '.               DNM=112-33  BL=31 FE0  5801  DS 15C
03084  013500     03 FILLER  PIC 9(10) COMP-3 VALUE  0601160300.                    DNM=112-35  BL=31 FEF  5816  DS 6P
03085  013510     03 FILLER  PIC X(15)        VALUE '54           '.               DNM=112-36  BL=31 FF5  5822  DS 15C
03086  013520     03 FILLER  PIC 9(10) COMP-3 VALUE  0601160400.                    DNM=112-37  BL=32 004  2355  DS 6P
03087  013530     03 FILLER  PIC X(15)        VALUE '             '.               DNM=112-39  BL=32 00A  2349  DS 15C
03088  013540     03 FILLER  PIC 9(10) COMP-3 VALUE  0601160600.                    DNM=112-40  BL=32 019  2334  DS 6P
03089  013550     03 FILLER  PIC X(15)        VALUE '51           '.               DNM=112-42  BL=32 01F  2328  DS 15C
03090  013560     03 FILLER  PIC 9(10) COMP-3 VALUE  0602000000.                    DNM=112-43  BL=32 02E  2313  DS 6P
03091  013570     03 FILLER  PIC X(15)        VALUE 'CB1  CB2  CB3'.               DNM=112-44  BL=32 034  2307  DS 15C
03092  013580     03 FILLER  PIC 9(10) COMP-3 VALUE  0602010000.                    DNM=112-46  BL=32 043  2292  DS 6P
03093  013590     03 FILLER  PIC X(15)        VALUE 'CB7          '.               DNM=112-47  BL=32 049  2286  DS 15C
03094  013600     03 FILLER  PIC 9(10) COMP-3 VALUE  0602020000.                    DNM=112-49  BL=32 058  2271  DS 6P
03095  013610     03 FILLER  PIC X(15)        VALUE '19   CB9  CB10'.              DNM=113-00  BL=32 05E  2265  DS 15C
03096  013620     03 FILLER  PIC 9(10) COMP-3 VALUE  0602030000.                    DNM=113-01  BL=32 06D  2250  DS 6P
03097  013630     03 FILLER  PIC X(15)        VALUE '             '.               DNM=113-02  BL=32 073  2244  DS 15C
03098  013640     03 FILLER  PIC 9(10) COMP-3 VALUE  0602050000.                    DNM=113-04  BL=32 082  2229  DS 6P
03099  013650     03 FILLER  PIC X(15)        VALUE '18   CB12 CB13'.              DNM=113-05  BL=32 088  2223  DS 15C
03100  013660     03 FILLER  PIC 9(10) COMP-3 VALUE  0602060000.                    DNM=113-07  BL=32 097  2208  DS 6P
03101  013670     03 FILLER  PIC X(15)        VALUE '             '.               DNM=113-08  BL=32 09D  2202  DS 15C
03102  013680     03 FILLER  PIC 9(10) COMP-3 VALUE  0602070000.                    DNM=113-09  BL=32 0AC  2187  DS 6P
03103  013690     03 FILLER  PIC X(15)        VALUE 'CB20         '.               DNM=113-11  BL=32 0B2  2181  DS 15C
03104  013700     03 FILLER  PIC 9(10) COMP-3 VALUE  0602090000.                    DNM=113-12  BL=32 0C1  2166  DS 6P
03105  013710     03 FILLER  PIC X(15)        VALUE 'CB26         '.               DNM=113-14  BL=32 0C7  2160  DS 15C
03106  013720     03 FILLER  PIC 9(10) COMP-3 VALUE  0602110000.                    DNM=113-15  BL=32 0D6  2145  DS 6P
03107  013730     03 FILLER  PIC X(15)        VALUE '64           '.               DNM=113-16  BL=32 0DC  2139  DS 15C
03108  013740     03 FILLER  PIC 9(10) COMP-3 VALUE  0602120000.                    DNM=113-18  BL=32 0EB  2124  DS 6P
03109  013750     03 FILLER  PIC X(15)        VALUE '62   15      '.               DNM=113-19  BL=32 0F1  2118  DS 15C
03110  013760     03 FILLER  PIC 9(10) COMP-3 VALUE  0602130000.                    DNM=113-21  BL=32 100  2103  DS 6P
03111  013770     03 FILLER  PIC X(15)        VALUE '84           '.               DNM=113-22  BL=32 106  2097  DS 15C
03112  013780     03 FILLER  PIC 9(10) COMP-3 VALUE  0602140000.                    DNM=113-23  BL=32 115  2082  DS 6P
03113  013790     03 FILLER  PIC X(15)        VALUE 'CB17         '.               DNM=113-25  BL=32 11B  2076  DS 15C
03114  013800     03 FILLER  PIC 9(10) COMP-3 VALUE  0602140100.                    DNM=113-26  BL=32 12A  2061  DS 6P
03115  013810     03 FILLER  PIC X(15)        VALUE 'CB18         '.               DNM=113-28  BL=32 130  2055  DS 15C
03116  013820     03 FILLER  PIC 9(10) COMP-3 VALUE  0602150000.                    DNM=113-29  BL=32 13F  2040  DS 6P
03117  013830     03 FILLER  PIC X(15)        VALUE 'CB11         '.               DNM=113-30  BL=32 145  2034  DS 15C
03118  013840     03 FILLER  PIC 9(10) COMP-3 VALUE  0602160000.                    DNM=113-32  BL=32 154  2019  DS 6P
03119  013850     03 FILLER  PIC X(15)        VALUE 'CB22         '.               DNM=113-33  BL=32 15A  2013  DS 15C
03120  013860     03 FILLER  PIC 9(10) COMP-3 VALUE  0602170000.                    DNM=113-35  BL=32 169  1998  DS 6P
03121  013870     03 FILLER  PIC X(15)        VALUE 'CB24 CB25    '.               DNM=113-36  BL=32 16F  1992  DS 15C
```

```
03122  013880     03 FILLER  PIC 9(10) COMP-3 VALUE  0700000000.                    DNM=113-37  BL=32 17E  1977  DS 6P
03123  013890     03 FILLER  PIC X(15)         VALUE '63   13   14   '.           DNM=113-39  BL=32 184  1971  DS 15C
03124  013900     03 FILLER  PIC 9(10) COMP-3 VALUE  0700020000.                    DNM=113-40  BL=32 193  1956  DS 6P
03125  013910     03 FILLER  PIC X(15)         VALUE '61   '.                     DNM=113-42  BL=32 199  1950  DS 15C
03126  013920     03 FILLER  PIC 9(10) COMP-3 VALUE  0702000000.                    DNM=113-43  BL=32 1A8  1935  DS 6P
03127  013930     03 FILLER  PIC X(15)         VALUE 'S10  '.                     DNM=113-44  BL=32 1AE  1929  DS 15C
03128  013940     03 FILLER  PIC 9(10) COMP-3 VALUE  0702000200.                    DNM=113-46  BL=32 1BD  1914  DS 6P
03129  013950     03 FILLER  PIC X(15)         VALUE 'CC5  '.                     DNM=113-47  BL=32 1C3  1908  DS 15C
03130  013960     03 FILLER  PIC 9(10) COMP-3 VALUE  0702000300.                    DNM=113-49  BL=32 1D2  1893  DS 6P
03131  013970     03 FILLER  PIC X(15)         VALUE '46   S9   '.                DNM=114-00  BL=32 1D8  1887  DS 15C
03132  013980     03 FILLER  PIC 9(10) COMP-3 VALUE  0702000400.                    DNM=114-01  BL=32 1E7  1872  DS 6P
03133  013990     03 FILLER  PIC X(15)         VALUE '48   '.                     DNM=114-02  BL=32 1ED  1866  DS 15C
03134  014000     03 FILLER  PIC 9(10) COMP-3 VALUE  0702000500.                    DNM=114-04  BL=32 1FC  1851  DS 6P
03135  014010     03 FILLER  PIC X(15)         VALUE '12   '.                     DNM=114-05  BL=32 202  1845  DS 15C
03136  014020     03 FILLER  PIC 9(10) COMP-3 VALUE  0702030000.                    DNM=114-07  BL=32 211  1830  DS 6P
03137  014030     03 FILLER  PIC X(15)         VALUE '47   '.                     DNM=114-08  BL=32 217  1824  DS 15C
03138  014040     03 FILLER  PIC 9(10) COMP-3 VALUE  0801000000.                    DNM=114-09  BL=32 226  1809  DS 6P
03139  014050     03 FILLER  PIC X(15)         VALUE 'S4   '.                     DNM=114-11  BL=32 22C  1803  DS 15C
03140  014060     03 FILLER  PIC 9(10) COMP-3 VALUE  0801000200.                    DNM=114-12  BL=32 23B  1788  DS 6P
03141  014070     03 FILLER  PIC X(15)         VALUE '43   '.                     DNM=114-14  BL=32 241  1782  DS 15C
03142  014080     03 FILLER  PIC 9(10) COMP-3 VALUE  0801000300.                    DNM=114-15  BL=32 250  1767  DS 6P
03143  014090     03 FILLER  PIC X(15)         VALUE 'CC3  S5   '.                DNM=114-16  BL=32 256  1761  DS 15C
03144  014100     03 FILLER  PIC 9(10) COMP-3 VALUE  0801001200.                    DNM=114-18  BL=32 265  1746  DS 6P
03145  014110     03 FILLER  PIC X(15)         VALUE '41   '.                     DNM=114-19  BL=32 26B  1740  DS 15C
03146  014120     03 FILLER  PIC 9(10) COMP-3 VALUE  0801001300.                    DNM=114-21  BL=32 27A  1725  DS 6P
03147  014130     03 FILLER  PIC X(15)         VALUE 'CC4  44   '.                DNM=114-22  BL=32 280  1719  DS 15C
03148  014140     03 FILLER  PIC 9(10) COMP-3 VALUE  0801030000.                    DNM=114-23  BL=32 28F  1704  DS 6P
03149  014150     03 FILLER  PIC X(15)         VALUE 'CC13 '.                     DNM=114-25  BL=32 295  1698  DS 15C
03150  014160     03 FILLER  PIC 9(10) COMP-3 VALUE  0801030100.                    DNM=114-26  BL=32 2A4  1683  DS 6P
03151  014170     03 FILLER  PIC X(15)         VALUE 'CC12 '.                     DNM=114-28  BL=32 2AA  1677  DS 15C
03152  014180     03 FILLER  PIC 9(10) COMP-3 VALUE  0801030200.                    DNM=114-29  BL=32 2B9  1662  DS 6P
03153  014190     03 FILLER  PIC X(15)         VALUE '41A  CC15 '.                DNM=114-30  BL=32 2BF  1656  DS 15C
03154  014200     03 FILLER  PIC 9(10) COMP-3 VALUE  0801090000.                    DNM=114-32  BL=32 2CE  1641  DS 6P
03155  014210     03 FILLER  PIC X(15)         VALUE '42   '.                     DNM=114-33  BL=32 2D4  1635  DS 15C
03156  014220     03 FILLER  PIC 9(10) COMP-3 VALUE  0900000000.                    DNM=114-35  BL=32 2E3  1620  DS 6P
03157  014230     03 FILLER  PIC X(15)         VALUE '8    '.                     DNM=114-36  BL=32 2E9  1614  DS 15C
03158  014240     03 FILLER  PIC 9(10) COMP-3 VALUE  0900010000.                    DNM=114-37  BL=32 2F8  1599  DS 6P
03159  014250     03 FILLER  PIC X(15)         VALUE '22   4    '.                DNM=114-39  BL=32 2FE  1593  DS 15C
03160  014260     03 FILLER  PIC 9(10) COMP-3 VALUE  0900020000.                    DNM=114-40  BL=32 30D  1578  DS 6P
03161  014270     03 FILLER  PIC X(15)         VALUE '24   5    '.                DNM=114-42  BL=32 313  1572  DS 15C
03162  014280     03 FILLER  PIC 9(10) COMP-3 VALUE  0900030000.                    DNM=114-43  BL=32 322  1557  DS 6P
03163  014290     03 FILLER  PIC X(15)         VALUE '25   9    '.                DNM=114-44  BL=32 328  1551  DS 15C
03164  014300     03 FILLER  PIC 9(10) COMP-3 VALUE  0900040000.                    DNM=114-46  BL=32 337  1536  DS 6P
03165  014310     03 FILLER  PIC X(15)         VALUE '27   10   6    '.           DNM=114-47  BL=32 33D  1530  DS 15C
03166  014320     03 FILLER  PIC 9(10) COMP-3 VALUE  0900050000.                    DNM=114-49  BL=32 34C  1515  DS 6P
03167  014330     03 FILLER  PIC X(15)         VALUE '33   11   '.                DNM=115-00  BL=32 352  1509  DS 15C
03168  014340     03 FILLER  PIC 9(10) COMP-3 VALUE  0901000000.                    DNM=115-01  BL=32 361  1494  DS 6P
03169  014350     03 FILLER  PIC X(15)         VALUE '34   '.                     DNM=115-02  BL=32 367  1488  DS 15C
03170  014360     03 FILLER  PIC 9(10) COMP-3 VALUE  0902000000.                    DNM=115-04  BL=32 376  1473  DS 6P
03171  014370     03 FILLER  PIC X(15)         VALUE '32   '.                     DNM=115-05  BL=32 37C  1467  DS 15C
03172  014380     03 FILLER  PIC 9(10) COMP-3 VALUE  0904000000.                    DNM=115-07  BL=32 38B  1452  DS 6P
03173  014390     03 FILLER  PIC X(15)         VALUE '31   '.                     DNM=115-08  BL=32 391  1446  DS 15C
03174  014400     03 FILLER  PIC 9(10) COMP-3 VALUE  0906000000.                    DNM=115-09  BL=32 3A0  1431  DS 6P
03175  014410     03 FILLER  PIC X(15)         VALUE '26   '.                     DNM=115-11  BL=32 3A6  1425  DS 15C
```

```
                                                                                                                    INT NAME  BASE  DISP RLOI  DEFINITION
03176 014420 03 FILLER PIC 9(10) COMP-3 VALUE 0908000000.                                                           DNM=115-12 BL=32 3B5 1410 DS 6P
03177 014430 03 FILLER PIC X(15)       VALUE '17  7         '.                                                     DNM=115-14 BL=32 3B8 1404 DS 15C
03178 014440 03 FILLER PIC 9(10) COMP-3 VALUE 0909000000.                                                         DNM=115-15 BL=32 3CA 1389 DS 6P
03179 014450 03 FILLER PIC X(15)       VALUE '28        '.                                                     DNM=115-16 BL=32 3D0 1383 DS 15C
03180 014460 03 FILLER PIC 9(10) COMP-3 VALUE 0910000000.                                                         DNM=115-18 BL=32 3DF 1368 DS 6P
03181 014470 03 FILLER PIC X(15)       VALUE '23        '.                                                     DNM=115-19 BL=32 3E5 1362 DS 15C
03182 014480 03 FILLER PIC 9(10) COMP-3 VALUE 1000000000.                                                         DNM=115-21 BL=32 3F4 1347 DS 6P
03183 014490 03 FILLER PIC X(15)       VALUE '21  3         '.                                                     DNM=115-22 BL=32 3FA 1341 DS 15C
03184 014500 03 FILLER PIC 9(10) COMP-3 VALUE 1001000100.                                                         DNM=115-23 BL=32 409 1326 DS 6P
03185 014510 03 FILLER PIC X(15)       VALUE 'CC1  12  11   '.                                                   DNM=115-25 BL=32 40F 1320 DS 15C
03186 014520 03 FILLER PIC 9(10) COMP-3 VALUE 1001000200.                                                         DNM=115-26 BL=32 41E 1305 DS 6P
03187 014530 03 FILLER PIC X(15)       VALUE 'CC2       '.                                                     DNM=115-28 BL=32 424 1299 DS 15C
03188 014540 03 FILLER PIC 9(10) COMP-3 VALUE 1001000300.                                                         DNM=115-29 BL=32 433 1284 DS 6P
03189 014550 03 FILLER PIC X(15)       VALUE '14        '.                                                     DNM=115-30 BL=32 439 1278 DS 15C
03190 014560 03 FILLER PIC 9(10) COMP-3 VALUE 1001030100.                                                         DNM=115-32 BL=32 448 1263 DS 6P
03191 014570 03 FILLER PIC X(15)       VALUE '13        '.                                                     DNM=115-33 BL=32 44E 1257 DS 15C
03192 014580 03 FILLER PIC 9(10) COMP-3 VALUE 1001030200.                                                         DNM=115-35 BL=32 45D 1242 DS 6P
03193 014590 03 FILLER PIC X(15)       VALUE 'WD2       '.                                                     DNM=115-36 BL=32 463 1236 DS 15C
03194 014600 03 FILLER PIC 9(10) COMP-3 VALUE 1001080000.                                                         DNM=115-37 BL=32 472 1221 DS 6P
03195 014610 03 FILLER PIC X(15)       VALUE 'WD1       '.                                                     DNM=115-39 BL=32 478 1215 DS 15C
03196 014620 03 FILLER PIC 9(10) COMP-3 VALUE 1101000000.                                                         DNM=115-40 BL=32 487 1200 DS 6P
03197 014630 03 FILLER PIC X(15)       VALUE 'B11  B12  B13 '.                                                   DNM=115-42 BL=32 480 1194 DS 15C
03198 014640 03 FILLER PIC 9(10) COMP-3 VALUE 1101010000.                                                         DNM=115-43 BL=32 49C 1179 DS 6P
03199 014650 03 FILLER PIC X(15)       VALUE 'FB1  FB2      '.                                                   DNM=115-44 BL=32 4A2 1173 DS 15C
03200 014660 03 FILLER PIC 9(10) COMP-3 VALUE 1101020000.                                                         DNM=115-46 BL=32 4B1 1158 DS 6P
03201 014670 03 FILLER PIC X(15)       VALUE 'QC1  QC2  QC3 '.                                                   DNM=115-47 BL=32 4B7 1152 DS 15C
03202 014680 03 FILLER PIC 9(10) COMP-3 VALUE 1101030000.                                                         DNM=115-49 BL=32 4C6 1137 DS 6P
03203 014690 03 FILLER PIC X(15)       VALUE 'BC1  BC2  BC3 '.                                                   DNM=116-00 BL=32 4CC 1131 DS 15C
03204 014700 03 FILLER PIC 9(10) COMP-3 VALUE 1102000000.                                                         DNM=116-01 BL=32 4DB 1116 DS 6P
03205 014710 03 FILLER PIC X(15)       VALUE 'B01  B02  B03 '.                                                   DNM=116-02 BL=32 4E1 1110 DS 15C
03206 014720 03 FILLER PIC 9(10) COMP-3 VALUE 1102010000.                                                         DNM=116-04 BL=32 4F0 1095 DS 6P
03207 014730 03 FILLER PIC X(15)       VALUE 'HB1  HB2  HB3 '.                                                   DNM=116-05 BL=32 4F6 1089 DS 15C
03208 014740 03 FILLER PIC 9(10) COMP-3 VALUE 1103000000.                                                         DNM=116-07 BL=32 505 1074 DS 6P
03209 014750 03 FILLER PIC X(15)       VALUE 'IWW1 IWW2 IWW3'.                                                   DNM=116-08 BL=32 50B 1068 DS 15C
03210 014760 03 FILLER PIC 9(10) COMP-3 VALUE 1201010000.                                                         DNM=116-09 BL=32 51A 1053 DS 6P
03211 014770 03 FILLER PIC X(15)       VALUE 'NR9  NR11 NR14'.                                                   DNM=116-11 BL=32 520 1047 DS 15C
03212 014780 03 FILLER PIC 9(10) COMP-3 VALUE 1201010100.                                                         DNM=116-12 BL=32 52F 1032 DS 6P
03213 014790 03 FILLER PIC X(15)       VALUE 'NR10      '.                                                     DNM=116-14 BL=32 535 1026 DS 15C
03214 014800 03 FILLER PIC 9(10) COMP-3 VALUE 1201010200.                                                         DNM=116-15 BL=32 544 1011 DS 6P
03215 014810 03 FILLER PIC X(15)       VALUE 'NR48      '.                                                     DNM=116-16 BL=32 54A 1005 DS 15C
03216 014820 03 FILLER PIC 9(10) COMP-3 VALUE 1201010300.                                                         DNM=116-18 BL=32 559 0990 DS 6P
03217 014830 03 FILLER PIC X(15)       VALUE 'NR49      '.                                                     DNM=116-19 BL=32 55F 0984 DS 15C
03218 014840 03 FILLER PIC 9(10) COMP-3 VALUE 1201020100.                                                         DNM=116-21 BL=32 56E 0969 DS 6P
03219 014850 03 FILLER PIC X(15)       VALUE 'NR8  NR12 NR32'.                                                   DNM=116-22 BL=32 574 0963 DS 15C
03220 014860 03 FILLER PIC 9(10) COMP-3 VALUE 1201020101.                                                         DNM=116-23 BL=32 583 0948 DS 6P
03221 014870 03 FILLER PIC X(15)       VALUE 'NR35      '.                                                     DNM=116-25 BL=32 589 0942 DS 15C
03222 014880 03 FILLER PIC 9(10) COMP-3 VALUE 1201020102.                                                         DNM=116-26 BL=32 598 0927 DS 6P
03223 014890 03 FILLER PIC X(15)       VALUE 'NR36      '.                                                     DNM=116-28 BL=32 59E 0921 DS 15C
03224 014900 03 FILLER PIC 9(10) COMP-3 VALUE 1201020103.                                                         DNM=116-29 BL=32 5AD 0906 DS 6P
03225 014910 03 FILLER PIC X(15)       VALUE 'NR37      '.                                                     DNM=116-30 BL=32 5B3 0900 DS 15C
03226 014920 03 FILLER PIC 9(10) COMP-3 VALUE 1201020104.                                                         DNM=116-32 BL=32 5C2 0885 DS 6P
03227 014930 03 FILLER PIC X(15)       VALUE 'NR13      '.                                                     DNM=116-33 BL=32 5C8 0879 DS 15C
03228 014940 03 FILLER PIC 9(10) COMP-3 VALUE 1201020200.                                                         DNM=116-35 BL=32 5D7 0864 DS 6P
03229 014950 03 FILLER PIC X(15)       VALUE 'NR7  NR24 NR25'.                                                   DNM=116-36 BL=32 5DD 0858 DS 15C
```

```
03230 014960 03 FILLER PIC 9(10) COMP-3 VALUE 1201020201.                    DNM=116-37 BL=32 5EC 0843 DS 6P
03231 014970 03 FILLER PIC X(15)       VALUE 'NR28          '.              DNM=116-39 BL=32 5F2 0837 DS 15C
03232 014980 03 FILLER PIC 9(10) COMP-3 VALUE 1201020202.                   DNM=116-40 BL=32 601 0822 DS 6P
03233 014990 03 FILLER PIC X(15)       VALUE 'NR6  NR29     '.              DNM=116-42 BL=32 607 0816 DS 15C
03234 015000 03 FILLER PIC 9(10) COMP-3 VALUE 1201020203.                   DNM=116-43 BL=32 616 0801 DS 6P
03235 015010 03 FILLER PIC X(15)       VALUE 'NR30          '.              DNM=116-44 BL=32 61C 0795 DS 15C
03236 015020 03 FILLER PIC 9(10) COMP-3 VALUE 1201020204.                   DNM=116-46 BL=32 628 0780 DS 6P
03237 015030 03 FILLER PIC X(15)       VALUE 'NR31          '.              DNM=116-47 BL=32 631 0774 DS 15C
03238 015040 03 FILLER PIC 9(10) COMP-3 VALUE 1201020300.                   DNM=116-49 BL=32 640 0759 DS 6P
03239 015050 03 FILLER PIC X(15)       VALUE 'NR22 NR23 NR65'.              DNM=117-00 BL=32 646 0753 DS 15C
03240 015060 03 FILLER PIC 9(10) COMP-3 VALUE 1201020301.                   DNM=117-01 BL=32 655 0738 DS 6P
03241 015070 03 FILLER PIC X(15)       VALUE 'NR20 NR21     '.              DNM=117-02 BL=32 65B 0732 DS 15C
03242 015080 03 FILLER PIC 9(10) COMP-3 VALUE 1201020302.                   DNM=117-04 BL=32 66A 0717 DS 6P
03243 015090 03 FILLER PIC X(15)       VALUE 'NR19          '.              DNM=117-05 BL=32 670 0711 DS 15C
03244 015100 03 FILLER PIC 9(10) COMP-3 VALUE 1201020400.                   DNM=117-07 BL=32 67F 0696 DS 6P
03245 015110 03 FILLER PIC X(15)       VALUE 'NR50 NR51 NR52'.              DNM=117-08 BL=32 685 0690 DS 15C
03246 015120 03 FILLER PIC 9(10) COMP-3 VALUE 1201020401.                   DNM=117-09 BL=32 694 0675 DS 6P
03247 015130 03 FILLER PIC X(15)       VALUE 'NR54 NR55     '.              DNM=117-11 BL=32 69A 0669 DS 15C
03248 015140 03 FILLER PIC 9(10) COMP-3 VALUE 1201020402.                   DNM=117-12 BL=32 6A9 0654 DS 6P
03249 015150 03 FILLER PIC X(15)       VALUE 'NR56 NR57     '.              DNM=117-14 BL=32 6AF 0648 DS 15C
03250 015160 03 FILLER PIC 9(10) COMP-3 VALUE 1201020403.                   DNM=117-15 BL=32 6BE 0633 DS 6P
03251 015170 03 FILLER PIC X(15)       VALUE 'NR58 NR59     '.              DNM=117-16 BL=32 6C4 0627 DS 15C
03252 015180 03 FILLER PIC 9(10) COMP-3 VALUE 1201030100.                   DNM=117-18 BL=32 6D3 0612 DS 6P
03253 015190 03 FILLER PIC X(15)       VALUE 'NR1  NR2  NR3 '.              DNM=117-19 BL=32 6D9 0606 DS 15C
03254 015200 03 FILLER PIC 9(10) COMP-3 VALUE 1201030200.                   DNM=117-21 BL=32 6E8 0591 DS 6P
03255 015210 03 FILLER PIC X(15)       VALUE 'NR5  NR18     '.              DNM=117-22 BL=32 6EE 0585 DS 15C
03256 015220 03 FILLER PIC 9(10) COMP-3 VALUE 1201030300.                   DNM=117-23 BL=32 6FD 0570 DS 6P
03257 015230 03 FILLER PIC X(15)       VALUE 'NR4  NR16 NR17'.              DNM=117-25 BL=32 703 0564 DS 15C
03258 015240 03 FILLER PIC 9(10) COMP-3 VALUE 1201030301.                   DNM=117-26 BL=32 712 0549 DS 6P
03259 015250 03 FILLER PIC X(15)       VALUE 'NR15          '.              DNM=117-28 BL=32 718 0543 DS 15C
03260 015260 03 FILLER PIC 9(10) COMP-3 VALUE 1301010000.                   DNM=117-29 BL=32 727 0528 DS 6P
03261 015270 03 FILLER PIC X(15)       VALUE 'SSI1 SSI4 SSI5'.              DNM=117-30 BL=32 72D 0522 DS 15C
03262 015280 03 FILLER PIC 9(10) COMP-3 VALUE 1301020000.                   DNM=117-32 BL=32 73C 0507 DS 6P
03263 015290 03 FILLER PIC X(15)       VALUE 'SSI6 SSI7     '.              DNM=117-33 BL=32 742 0501 DS 15C
03264 015300 03 FILLER PIC 9(10) COMP-3 VALUE 1301030000.                   DNM=117-35 BL=32 751 0486 DS 6P
03265 015310 03 FILLER PIC X(15)       VALUE 'SSI8          '.              DNM=117-36 BL=32 757 0480 DS 15C
03266 015320 03 FILLER PIC 9(10) COMP-3 VALUE 1301040000.                   DNM=117-37 BL=32 766 0465 DS 6P
03267 015330 03 FILLER PIC X(15)       VALUE 'SSI2 SSI3     '.              DNM=117-39 BL=32 76C 0459 DS 15C
03268 015340 03 FILLER PIC 9(10) COMP-3 VALUE 1301050000.                   DNM=117-40 BL=32 778 0444 DS 6P
03269 015350 03 FILLER PIC X(15)       VALUE 'SSI9 SSI14SSI15'.             DNM=117-42 BL=32 781 0438 DS 15C
03270 015360 03 FILLER PIC 9(10) COMP-3 VALUE 1301060000.                   DNM=117-43 BL=32 790 0423 DS 6P
03271 015370 03 FILLER PIC X(15)       VALUE 'SSI10SSI11SSI12'.             DNM=117-44 BL=32 796 0417 DS 15C
03272 015380 03 FILLER PIC 9(10) COMP-3 VALUE 1302010000.                   DNM=117-46 BL=32 7A5 0402 DS 6P
03273 015390 03 FILLER PIC X(15)       VALUE 'SSO7 SSO8     '.              DNM=117-47 BL=32 7AB 0396 DS 15C
03274 015400 03 FILLER PIC 9(10) COMP-3 VALUE 1302020000.                   DNM=117-49 BL=32 7BA 0381 DS 6P
03275 015410 03 FILLER PIC X(15)       VALUE 'SSO1 SSO6 SSO12'.             DNM=118-00 BL=32 7C0 0375 DS 15C
03276 015420 03 FILLER PIC 9(10) COMP-3 VALUE 1302030000.                   DNM=118-01 BL=32 7CF 0360 DS 6P
03277 015430 03 FILLER PIC X(15)       VALUE 'SSO2 SSO3 SSO4'.              DNM=118-02 BL=32 7D5 0354 DS 15C
03278 015440 03 FILLER PIC 9(10) COMP-3 VALUE 1303000000.                   DNM=118-04 BL=32 7E4 0339 DS 6P
03279 015450 03 FILLER PIC X(15)       VALUE 'IWW4 IWW5 IWW6'.              DNM=118-05 BL=32 7EA 0333 DS 15C
03280 015460 03 FILLER PIC 9(10) COMP-3 VALUE 1401000000.                   DNM=118-07 BL=32 7F9 0318 DS 6P
03281 015470 03 FILLER PIC X(15)       VALUE 'TI1  TI2  TI3 '.              DNM=118-08 BL=32 7FF 0312 DS 15C
03282 015480 03 FILLER PIC 9(10) COMP-3 VALUE 1401010000.                   DNM=118-09 BL=32 80E 0297 DS 6P
03283 015490 03 FILLER PIC X(15)       VALUE 'BH1  BH2  BH3 '.              DNM=118-11 BL=32 814 0291 DS 15C
```

```
03284  015500  03 FILLER  PIC 9(10) COMP-3 VALUE  1401020000.                    DNM=118-12  BL=32 823  0276  DS 6P
03285  015510  03 FILLER  PIC X(15)         VALUE 'VC1  VC2  VC3  '.            DNM=118-14  BL=32 829  0270  DS 15C
03286  015520  03 FILLER  PIC 9(10) COMP-3 VALUE  1401030000.                    DNM=118-15  BL=32 838  0255  DS 6P
03287  015530  03 FILLER  PIC X(15)         VALUE 'MB1  MB2  MB3  '.            DNM=118-16  BL=32 83E  0249  DS 15C
03288  015540  03 FILLER  PIC 9(10) COMP-3 VALUE  1401040000.                    DNM=118-18  BL=32 84D  0234  DS 6P
03289  015550  03 FILLER  PIC X(15)         VALUE 'OTC1 OTC2 OTC3 '.            DNM=118-19  BL=32 853  0228  DS 15C
03290  015560  03 FILLER  PIC 9(10) COMP-3 VALUE  1402010000.                    DNM=118-21  BL=32 862  0213  DS 6P
03291  015570  03 FILLER  PIC X(15)         VALUE 'OC1  OC2  OC3  '.            DNM=118-22  BL=32 868  0207  DS 15C
03292  015580  03 FILLER  PIC 9(10) COMP-3 VALUE  1402020000.                    DNM=118-23  BL=32 877  0192  DS 6P
03293  015590  03 FILLER  PIC X(15)         VALUE 'TS1  TS2  TS3  '.            DNM=118-25  BL=32 870  0186  DS 15C
03294  015600  03 FILLER  PIC 9(10) COMP-3 VALUE  1402030000.                    DNM=118-26  BL=32 88C  0171  DS 6P
03295  015610  03 FILLER  PIC X(15)         VALUE 'BC1  BC2  BC3  '.            DNM=118-28  BL=32 892  0165  DS 15C
03296  015620  03 FILLER  PIC 9(10) COMP-3 VALUE  1403000000.                    DNM=118-29  BL=32 8A1  0150  DS 6P
03297  015630  03 FILLER  PIC X(15)         VALUE 'IWW14IWW15IWW16'.            DNM=118-30  BL=32 8A7  0144  DS 15C
03298  015640  03 FILLER  PIC 9(10) COMP-3 VALUE  1501000000.                    DNM=118-32  BL=32 8B6  0129  DS 6P
03299  015650  03 FILLER  PIC X(15)         VALUE 'MS1  MS2  MS3  '.            DNM=118-33  BL=32 8BC  0123  DS 15C
03300  015660  03 FILLER  PIC 9(10) COMP-3 VALUE  1501010000.                    DNM=118-35  BL=32 8CB  0108  DS 6P
03301  015670  03 FILLER  PIC X(15)         VALUE 'MC1  MC2  MC3  '.            DNM=118-36  BL=32 8D1  0102  DS 15C
03302  015680  03 FILLER  PIC 9(10) COMP-3 VALUE  1501020000.                    DNM=118-37  BL=32 8E0  0087  DS 6P
03303  015690  03 FILLER  PIC X(15)         VALUE 'FC1  FC2  FC3  '.            DNM=118-39  BL=32 8E6  0081  DS 15C
03304  015700  03 FILLER  PIC 9(10) COMP-3 VALUE  1501030000.                    DNM=118-40  BL=32 8F5  0066  DS 6P
03305  015710  03 FILLER  PIC X(15)         VALUE 'PC1  PC2  PC3  '.            DNM=118-42  BL=32 8FB  0060  DS 15C
03306  015720  03 FILLER  PIC 9(10) COMP-3 VALUE  1502010000.                    DNM=118-43  BL=32 90A  0045  DS 6P
03307  015730  03 FILLER  PIC X(15)         VALUE 'RI1  RI2  RI3  '.            DNM=118-44  BL=32 910  0039  DS 15C
03308  015740  03 FILLER  PIC 9(10) COMP-3 VALUE  1502020000.                    DNM=118-46  BL=32 91F  0024  DS 6P
03309  015750  03 FILLER  PIC X(15)         VALUE 'FE1  FE2  FE3  '.            DNM=118-47  BL=32 925  0018  DS 15C
03310  015760  03 FILLER  PIC 9(10) COMP-3 VALUE  1502030000.                    DNM=118-49  BL=32 934  0003  DS 6P
03311  015770  03 FILLER  PIC X(15)         VALUE 'MA1  MA2  MA3  '.            DNM=119-00  BL=32 93A  0003  DS 15C
03312  015780  03 FILLER  PIC 9(10) COMP-3 VALUE  1503000000.                    DNM=119-01  BL=32 949  0018  DS 6P
03313  015790  03 FILLER  PIC X(15)         VALUE 'IWW21IWW22IWW23'.            DNM=119-02  BL=32 94F  0024  DS 15C
03314  015800  03 FILLER  PIC 9(10) COMP-3 VALUE  1601000000.                    DNM=119-04  BL=32 95E  0039  DS 6P
03315  015810  03 FILLER  PIC X(15)         VALUE 'WI1  WI2  WI3  '.            DNM=119-05  BL=32 964  0045  DS 15C
03316  015820  03 FILLER  PIC 9(10) COMP-3 VALUE  1601010000.                    DNM=119-07  BL=32 973  0060  DS 6P
03317  015830  03 FILLER  PIC X(15)         VALUE 'HC1  HC2  HC3  '.            DNM=119-08  BL=32 979  0066  DS 15C
03318  015840  03 FILLER  PIC 9(10) COMP-3 VALUE  1601020000.                    DNM=119-09  BL=32 988  0081  DS 6P
03319  015850  03 FILLER  PIC X(15)         VALUE 'BR1  BR2  BR3  '.            DNM=119-11  BL=32 98E  0087  DS 15C
03320  015860  03 FILLER  PIC 9(10) COMP-3 VALUE  1602010000.                    DNM=119-12  BL=32 99D  0102  DS 6P
03321  015870  03 FILLER  PIC X(15)         VALUE 'WM1  WM2  WM3  '.            DNM=119-14  BL=32 9A3  0108  DS 15C
03322  015880  03 FILLER  PIC 9(10) COMP-3 VALUE  1602020000.                    DNM=119-15  BL=32 9B2  0123  DS 6P
03323  015890  03 FILLER  PIC X(15)         VALUE 'WB1  WB2  WB3  '.            DNM=119-16  BL=32 9B8  0129  DS 15C
03324  015900  03 FILLER  PIC 9(10) COMP-3 VALUE  1603000000.                    DNM=119-18  BL=32 9C7  0144  DS 6P
03325  015910  03 FILLER  PIC X(15)         VALUE 'IWW29IWW30IWW31'.            DNM=119-19  BL=32 9CD  0150  DS 15C
03326  015920  03 FILLER  PIC 9(10) COMP-3 VALUE  1701000000.                    DNM=119-21  BL=32 9DC  0165  DS 6P
03327  015930  03 FILLER  PIC X(15)         VALUE 'MC1  MC2  MC3  '.            DNM=119-22  BL=32 9E2  0171  DS 15C
03328  015940  03 FILLER  PIC 9(10) COMP-3 VALUE  1701010000.                    DNM=119-23  BL=32 9F1  0186  DS 6P
03329  015950  03 FILLER  PIC X(15)         VALUE 'HE1  HE2  HE3  '.            DNM=119-25  BL=32 9F7  0192  DS 15C
03330  015960  03 FILLER  PIC 9(10) COMP-3 VALUE  1701020000.                    DNM=119-26  BL=32 A06  0207  DS 6P
03331  015970  03 FILLER  PIC X(15)         VALUE 'WC1  WC2  WC3  '.            DNM=119-28  BL=32 A0C  0213  DS 15C
03332  015980  03 FILLER  PIC 9(10) COMP-3 VALUE  1702010000.                    DNM=119-29  BL=32 A18  0228  DS 6P
03333  015990  03 FILLER  PIC X(15)         VALUE 'MM1  MM2  MM3  '.            DNM=119-30  BL=32 A21  0234  DS 15C
03334  016000  03 FILLER  PIC 9(10) COMP-3 VALUE  1703000000.                    DNM=119-32  BL=32 A30  0249  DS 6P
03335  016010  03 FILLER  PIC X(15)         VALUE 'IWW36IWW37IWW38'.            DNM=119-33  BL=32 A36  0255  DS 15C
03336  016020  03 FILLER  PIC 9(10) COMP-3 VALUE  1801010000.                    DNM=119-35  BL=32 A45  0270  DS 6P
03337  016030  03 FILLER  PIC X(15)         VALUE 'MI1  MI2  MI3  '.            DNM=119-36  BL=32 A4B  0276  DS 15C
```

```
                                                                                                                    INT NAME  BASE  DISP RL01  DEFINITION
03338  016040  03 FILLER  PIC 9(10) COMP-3 VALUE  1802010000.                                                      DNM=119-37 BL=32 A5A  0291  DS 6P
03339  016050  03 FILLER  PIC X(15)         VALUE 'M01  M02  M03  '.                                              DNM=119-39 BL=32 A60  0297  DS 15C
03340  016060  03 FILLER  PIC 9(10) COMP-3 VALUE  1803000000.                                                      DNM=119-40 BL=32 A6F  0312  DS 6P
03341  016070  03 FILLER  PIC X(15)         VALUE 'IWW40IWW41IWW42'.                                              DNM=119-42 BL=32 A75  0318  DS 15C
03342  016080  03 FILLER  PIC 9(10) COMP-3 VALUE  1804000000.                                                      DNM=119-43 BL=32 A84  0333  DS 6P
03343  016090  03 FILLER  PIC X(15)         VALUE 'CBY1 CBY2 CBY3 '.                                              DNM=119-44 BL=32 A8A  0339  DS 15C
03344  016100  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010100.                                                      DNM=119-46 BL=32 A99  0354  DS 6P
03345  016110  03 FILLER  PIC X(15)         VALUE 'CFR38CFR39CFR40'.                                              DNM=119-47 BL=32 A9F  0360  DS 15C
03346  016120  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010101.                                                      DNM=119-49 BL=32 AAE  0375  DS 6P
03347  016130  03 FILLER  PIC X(15)         VALUE 'CFR41CFR42  '.                                                 DNM=120-00 BL=32 AB4  0381  DS 15C
03348  016140  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010200.                                                      DNM=120-01 BL=32 AC3  0396  DS 6P
03349  016150  03 FILLER  PIC X(15)         VALUE 'CFR43CFR44CFR45'.                                              DNM=120-02 BL=32 AC9  0402  DS 15C
03350  016160  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010300.                                                      DNM=120-04 BL=32 AD8  0417  DS 6P
03351  016170  03 FILLER  PIC X(15)         VALUE 'CFR46CFR47  '.                                                 DNM=120-05 BL=32 ADE  0423  DS 15C
03352  016180  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010400.                                                      DNM=120-07 BL=32 AED  0438  DS 6P
03353  016190  03 FILLER  PIC X(15)         VALUE 'CFR31CFR32CFR33'.                                              DNM=120-08 BL=32 AF3  0444  DS 15C
03354  016200  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010500.                                                      DNM=120-09 BL=32 B02  0459  DS 6P
03355  016210  03 FILLER  PIC X(15)         VALUE 'CFR28  '.                                                      DNM=120-11 BL=32 B08  0465  DS 15C
03356  016220  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010600.                                                      DNM=120-12 BL=32 B17  0480  DS 6P
03357  016230  03 FILLER  PIC X(15)         VALUE 'CFR25CFR27  '.                                                 DNM=120-14 BL=32 B1D  0486  DS 15C
03358  016240  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010700.                                                      DNM=120-15 BL=32 B2C  0501  DS 6P
03359  016250  03 FILLER  PIC X(15)         VALUE 'CFR22CFR23CFR24'.                                              DNM=120-16 BL=32 B32  0507  DS 15C
03360  016260  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010800.                                                      DNM=120-18 BL=32 B41  0522  DS 6P
03361  016270  03 FILLER  PIC X(15)         VALUE 'CFR19CFR20CFR21'.                                              DNM=120-19 BL=32 B47  0528  DS 15C
03362  016280  03 FILLER  PIC 9(10) COMP-3 VALUE  1901010900.                                                      DNM=120-21 BL=32 B56  0543  DS 6P
03363  016290  03 FILLER  PIC X(15)         VALUE 'CFR15CFR16CFR17'.                                              DNM=120-22 BL=32 B5C  0549  DS 15C
03364  016300  03 FILLER  PIC 9(10) COMP-3 VALUE  1901011000.                                                      DNM=120-23 BL=32 B68  0564  DS 6P
03365  016310  03 FILLER  PIC X(15)         VALUE 'CFR14CFR18  '.                                                 DNM=120-25 BL=32 B71  0570  DS 15C
03366  016320  03 FILLER  PIC 9(10) COMP-3 VALUE  1901011100.                                                      DNM=120-26 BL=32 B80  0585  DS 6P
03367  016330  03 FILLER  PIC X(15)         VALUE 'CFR34CFR35CFR36'.                                              DNM=120-28 BL=32 B86  0591  DS 15C
03368  016340  03 FILLER  PIC 9(10) COMP-3 VALUE  1901020100.                                                      DNM=120-29 BL=32 B95  0606  DS 6P
03369  016350  03 FILLER  PIC X(15)         VALUE 'CFR13CFR49  '.                                                 DNM=120-30 BL=32 B9B  0612  DS 15C
03370  016360  03 FILLER  PIC 9(10) COMP-3 VALUE  1901020101.                                                      DNM=120-32 BL=32 BAA  0627  DS 6P
03371  016370  03 FILLER  PIC X(15)         VALUE 'CFR48  '.                                                      DNM=120-33 BL=32 BB0  0633  DS 15C
03372  016380  03 FILLER  PIC 9(10) COMP-3 VALUE  1901020200.                                                      DNM=120-35 BL=32 BBF  0648  DS 6P
03373  016390  03 FILLER  PIC X(15)         VALUE 'CFR50CFR51CFR52'.                                              DNM=120-36 BL=32 BC5  0654  DS 15C
03374  016400  03 FILLER  PIC 9(10) COMP-3 VALUE  1901020300.                                                      DNM=120-37 BL=32 BD4  0669  DS 6P
03375  016410  03 FILLER  PIC X(15)         VALUE 'CFR53CFR54CFR55'.                                              DNM=120-39 BL=32 BDA  0675  DS 15C
03376  016420  03 FILLER  PIC 9(10) COMP-3 VALUE  1901020400.                                                      DNM=120-40 BL=32 BE9  0690  DS 6P
03377  016430  03 FILLER  PIC X(15)         VALUE 'CFR56CFR57CFR58'.                                              DNM=120-42 BL=32 BEF  0696  DS 15C
03378  016440  03 FILLER  PIC 9(10) COMP-3 VALUE  1901020500.                                                      DNM=120-43 BL=32 BFE  0711  DS 6P
03379  016450  03 FILLER  PIC X(15)         VALUE 'CFR59CFR60CFR61'.                                              DNM=120-44 BL=32 C04  0717  DS 15C
03380  016460  03 FILLER  PIC 9(10) COMP-3 VALUE  1901020600.                                                      DNM=120-46 BL=32 C13  0732  DS 6P
03381  016470  03 FILLER  PIC X(15)         VALUE 'BD1  '.                                                        DNM=120-47 BL=32 C19  0738  DS 15C
03382  016480  03 FILLER  PIC 9(10) COMP-3 VALUE  1901030100.                                                      DNM=120-49 BL=32 C28  0753  DS 6P
03383  016490  03 FILLER  PIC X(15)         VALUE 'CFR8 CFR10CFR11'.                                              DNM=121-00 BL=32 C2E  0759  DS 15C
03384  016500  03 FILLER  PIC 9(10) COMP-3 VALUE  1901030200.                                                      DNM=121-01 BL=32 C3D  0774  DS 6P
03385  016510  03 FILLER  PIC X(15)         VALUE 'CFR4 CFR5 CFR71'.                                              DNM=121-02 BL=32 C43  0780  DS 15C
03386  016520  03 FILLER  PIC 9(10) COMP-3 VALUE  1901040000.                                                      DNM=121-04 BL=32 C52  0795  DS 6P
03387  016530  03 FILLER  PIC X(15)         VALUE 'CFR3 CFR6 CFR7 '.                                              DNM=121-05 BL=32 C58  0801  DS 15C
03388  016540  03 FILLER  PIC 9(10) COMP-3 VALUE  1901050100.                                                      DNM=121-07 BL=32 C67  0816  DS 6P
03389  016550  03 FILLER  PIC X(15)         VALUE 'CFR88  '.                                                      DNM=121-08 BL=32 C6D  0822  DS 15C
03390  016560  03 FILLER  PIC 9(10) COMP-3 VALUE  1901050200.                                                      DNM=121-09 BL=32 C7C  0837  DS 6P
03391  016570  03 FILLER  PIC X(15)         VALUE 'CFR89CFR90  '.                                                 DNM=121-11 BL=32 C82  0843  DS 15C
```

```
03392 016580 03 FILLER PIC 9(10) COMP-3 VALUE 1901050300.                    DNM=121-12 BL=32 C91 0858 DS 6P
03393 016590 03 FILLER PIC X(15)        VALUE 'CFR91CFR92     '.            DNM=121-14 BL=32 C97 0864 DS 15C
03394 016600 03 FILLER PIC 9(10) COMP-3 VALUE 1901050400.                    DNM=121-15 BL=32 CA6 0879 DS 6P
03395 016610 03 FILLER PIC X(15)        VALUE 'CFR93          '.            DNM=121-16 BL=32 CAC 0885 DS 15C
03396 016620 03 FILLER PIC 9(10) COMP-3 VALUE 1901050500.                    DNM=121-18 BL=32 CBB 0900 DS 6P
03397 016630 03 FILLER PIC X(15)        VALUE 'CFR94          '.            DNM=121-19 BL=32 CC1 0906 DS 15C
03398 016640 03 FILLER PIC 9(10) COMP-3 VALUE 1902000000.                    DNM=121-21 BL=32 CDO 0921 DS 6P
03399 016650 03 FILLER PIC X(15)        VALUE 'CFR1           '.            DNM=121-22 BL=32 CD6 0927 DS 15C
03400 016660 03 FILLER PIC 9(10) COMP-3 VALUE 1902020000.                    DNM=121-23 BL=32 CE5 0942 DS 6P
03401 016670 03 FILLER PIC X(15)        VALUE 'CFR95CFR96CFR97'.            DNM=121-25 BL=32 CEB 0948 DS 15C
03402 016680 03 FILLER PIC 9(10) COMP-3 VALUE 1902030100.                    DNM=121-26 BL=32 CFA 0963 DS 6P
03403 016690 03 FILLER PIC X(15)        VALUE 'CFR2 NE1  NE2  '.            DNM=121-28 BL=32 D00 0969 DS 15C
03404 016700 03 FILLER PIC 9(10) COMP-3 VALUE 1902030200.                    DNM=121-29 BL=32 D0F 0984 DS 6P
03405 016710 03 FILLER PIC X(15)        VALUE 'NE21 NE22 NE23 '.            DNM=121-30 BL=32 D15 0990 DS 15C
03406 016720 03 FILLER PIC 9(10) COMP-3 VALUE 1902030300.                    DNM=121-32 BL=32 D24 1005 DS 6P
03407 016730 03 FILLER PIC X(15)        VALUE 'NE31 NE32 NE34 '.            DNM=121-33 BL=32 D2A 1011 DS 15C
03408 016740 03 FILLER PIC 9(10) COMP-3 VALUE 2001000000.                    DNM=121-35 BL=32 D39 1026 DS 6P
03409 016750 03 FILLER PIC X(15)        VALUE 'LFR1 LFR2 LFR3 '.            DNM=121-36 BL=32 D3F 1032 DS 15C
03410 016760 03 FILLER PIC 9(10) COMP-3 VALUE 2002000000.                    DNM=121-37 BL=32 D4E 1047 DS 6P
03411 016770 03 FILLER PIC X(15)        VALUE 'DC1  DC2  DC3  '.            DNM=121-39 BL=32 D54 1053 DS 15C
03412 016780 03 FILLER PIC 9(10) COMP-3 VALUE 2003000000.                    DNM=121-40 BL=32 D63 1068 DS 6P
03413 016790 03 FILLER PIC X(15)        VALUE 'IWW47IWW48IWW49'.            DNM=121-42 BL=32 D69 1074 DS 15C
03414 016800 03 FILLER PIC 9(10) COMP-3 VALUE 2101000000.                    DNM=121-43 BL=32 D78 1089 DS 6P
03415 016810 03 FILLER PIC X(15)        VALUE 'SR1  SR2  SR3  '.            DNM=121-44 BL=32 D7E 1095 DS 15C
03416 016820 03 FILLER PIC 9(10) COMP-3 VALUE 2101010000.                    DNM=121-46 BL=32 D8D 1110 DS 6P
03417 016830 03 FILLER PIC X(15)        VALUE 'GC1  GC2  GC3  '.            DNM=121-47 BL=32 D93 1116 DS 15C
03418 016840 03 FILLER PIC 9(10) COMP-3 VALUE 2102000000.                    DNM=121-49 BL=32 DA2 1131 DS 6P
03419 016850 03 FILLER PIC X(15)        VALUE 'BI1  BI2  BI3  '.            DNM=122-00 BL=32 DA8 1137 DS 15C
03420 016860 03 FILLER PIC 9(10) COMP-3 VALUE 2103000000.                    DNM=122-01 BL=32 DB7 1152 DS 6P
03421 016870 03 FILLER PIC X(15)        VALUE 'SC1  SC2  SC3  '.            DNM=122-02 BL=32 DBD 1158 DS 15C
03422 016880 03 FILLER PIC 9(10) COMP-3 VALUE 2104000000.                    DNM=122-04 BL=32 DCC 1173 DS 6P
03423 016890 03 FILLER PIC X(15)        VALUE 'IWW53IWW54IWW55'.            DNM=122-05 BL=32 DD2 1179 DS 15C
03424 016900 03 FILLER PIC 9(10) COMP-3 VALUE 2201000000.                    DNM=122-07 BL=32 DE1 1194 DS 6P
03425 016910 03 FILLER PIC X(15)        VALUE 'TU1  TU2  TU3  '.            DNM=122-08 BL=32 DE7 1200 DS 15C
03426 016920 03 FILLER PIC 9(10) COMP-3 VALUE 2201010000.                    DNM=122-09 BL=32 DF6 1215 DS 6P
03427 016930 03 FILLER PIC X(15)        VALUE 'EC1  EC2  EC3  '.            DNM=122-11 BL=32 DFC 1221 DS 15C
03428 016940 03 FILLER PIC 9(10) COMP-3 VALUE 2201010100.                    DNM=122-12 BL=32 E08 1236 DS 6P
03429 016950 03 FILLER PIC X(15)        VALUE 'SC1  SC2       '.            DNM=122-14 BL=32 E11 1242 DS 15C
03430 016960 03 FILLER PIC 9(10) COMP-3 VALUE 2202010000.                    DNM=122-15 BL=32 E20 1257 DS 6P
03431 016970 03 FILLER PIC X(15)        VALUE 'SB1  SB7       '.            DNM=122-16 BL=32 E26 1263 DS 15C
03432 016980 03 FILLER PIC 9(10) COMP-3 VALUE 2202020000.                    DNM=122-18 BL=32 E35 1278 DS 6P
03433 016990 03 FILLER PIC X(15)        VALUE 'SB4  SB12      '.            DNM=122-19 BL=32 E3B 1284 DS 15C
03434 017000 03 FILLER PIC 9(10) COMP-3 VALUE 2202030000.                    DNM=122-21 BL=32 E4A 1299 DS 6P
03435 017010 03 FILLER PIC X(15)        VALUE 'SB5  SB13 SB14 '.            DNM=122-22 BL=32 E50 1305 DS 15C
03436 017020 03 FILLER PIC 9(10) COMP-3 VALUE 2202040000.                    DNM=122-23 BL=32 E5F 1320 DS 6P
03437 017030 03 FILLER PIC X(15)        VALUE 'SB2  SB8  SB9  '.            DNM=122-25 BL=32 E65 1326 DS 15C
03438 017040 03 FILLER PIC 9(10) COMP-3 VALUE 2202050000.                    DNM=122-26 BL=32 E74 1341 DS 6P
03439 017050 03 FILLER PIC X(15)        VALUE 'SB3  SB10 SB11 '.            DNM=122-28 BL=32 E7A 1347 DS 15C
03440 017060 03 FILLER PIC 9(10) COMP-3 VALUE 2202060000.                    DNM=122-29 BL=32 E89 1362 DS 6P
03441 017070 03 FILLER PIC X(15)        VALUE 'SB6  SB15 SB16 '.            DNM=122-30 BL=32 E8F 1368 DS 15C
03442 017080 03 FILLER PIC 9(10) COMP-3 VALUE 2203000000.                    DNM=122-32 BL=32 E9E 1383 DS 6P
03443 017090 03 FILLER PIC X(15)        VALUE 'LR1  LR2  LR3  '.            DNM=122-33 BL=32 EA4 1389 DS 15C
03444 017100 03 FILLER PIC 9(10) COMP-3 VALUE 2203010000.                    DNM=122-35 BL=32 EB3 1404 DS 6P
03445 017110 03 FILLER PIC X(15)        VALUE 'CR1  CR2  CR3  '.            DNM=122-36 BL=32 EB9 1410 DS 15C
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION
03446   017120     03 FILLER  PIC 9(10) COMP-3 VALUE  2204000000.                  DNM=122-37  BL=32 EC8  1425  DS 6P
03447   017130     03 FILLER  PIC X(15)        VALUE 'OL1  OL2  OL3  '.           DNM=122-39  BL=32 ECE  1431  DS 15C
03448   017140     03 FILLER  PIC 9(10) COMP-3 VALUE  2205000000.                  DNM=122-40  BL=32 EDD  1446  DS 6P
03449   017150     03 FILLER  PIC X(15)        VALUE 'IWW62IWW63IWW64'.           DNM=122-42  BL=32 EE3  1452  DS 15C
03450   017160     03 FILLER  PIC 9(10) COMP-3 VALUE  2210101000.                  DNM=122-43  BL=32 EF2  1467  DS 6P
03451   017170     03 FILLER  PIC X(15)        VALUE 'SC1  SC2       '.           DNM=122-44  BL=32 EF8  1473  DS 15C
03452   017180     03 FILLER  PIC 9(10) COMP-3 VALUE  9999999999.                  DNM=122-46  BL=32 F07  1488  DS 6P
03453   017190     03 FILLER  PIC X(15)        VALUE '               '.           DNM=122-47  BL=32 F0D  1494  DS 15C
03454   017200     03 FILLER  PIC 9(10) COMP-3 VALUE  9999999999.                  DNM=122-49  BL=32 F1C  1509  DS 6P
03455   017210     03 FILLER  PIC X(15)        VALUE '               '.           DNM=123-00  BL=32 F22  1515  DS 15C
03456   017220     03 FILLER  PIC 9(10) COMP-3 VALUE  9999999999.                  DNM=123-01  BL=32 F31  1530  DS 6P
03457   017230     03 FILLER  PIC X(15)        VALUE '               '.           DNM=123-02  BL=32 F37  1536  DS 15C
03458   017240     03 FILLER  PIC 9(10) COMP-3 VALUE  9999999999.                  DNM=123-04  BL=32 F46  1551  DS 6P
03459   017250     03 FILLER  PIC X(15)        VALUE '               '.           DNM=123-05  BL=32 F4C  1557  DS 15C
03460   017260     03 FILLER  PIC 9(10) COMP-3 VALUE  9999999999.                  DNM=123-07  BL=32 F58  1572  DS 6P
03461   017270     03 FILLER  PIC X(15)        VALUE '               '.           DNM=123-08  BL=32 F61  1578  DS 15C
03462   017280     03 FILLER  PIC 9(10) COMP-3 VALUE  9999999999.                  DNM=123-09  BL=32 F70  1593  DS 6P
03463   017290     03 FILLER  PIC X(15)        VALUE '               '.           DNM=123-11  BL=32 F76  1599  DS 15C
03464   017300     03 FILLER  PIC 9(10) COMP-3 VALUE  9999999999.                  DNM=123-12  BL=32 F85  1614  DS 6P
03465   017310     03 FILLER  PIC X(15)        VALUE '               '.           DNM=123-14  BL=32 F8B  1620  DS 15C
03466   017320     03 FILLER  PIC 9(10) COMP-3 VALUE  9999999999.                  DNM=123-15  BL=32 F9A  1635  DS 6P
03467   017330     03 FILLER  PIC X(15)        VALUE '               '.           DNM=123-16  BL=32 FA0  1641  DS 15C
03468   017340*
03469   017350* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
03470   017360*          TABLE NOW CONTAINS 857 ENTRIES    03/30/84   *
03471   017370*                          + 008 ALL-9 ENTRIES          *
03472   017380* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
03473   017390 01  STATION-TABLE-1-R REDEFINES STATION-TABLE-1.                  DNM=123-18  BL=28 938  0001  DS 0CL18165
03474   017400     03 LOC-WITH-1-3-STATIONS OCCURS 865 TIMES                     DNM=123-23  BL=28 938  0001  DS 0CL21
03475   017410                                  ASCENDING KEY LOCATION-1
03476   017420                                     INDEXED BY LOC-1-IX.
03477   017430            05 LOCATION-1              PIC 9(10) COMP-3.            DNM=123-27  BL=28 938  0001  DS 6P
03478   017440            05 STATION-1 OCCURS 3 TIMES INDEXED BY STA-1-IX         DNM=123-31  BL=28 93E  0007  DS 5C
03479   017450                                     PIC X(5).
```

```
03481  017470*-------------------------------------------------------------------*
03482  017480*
03483  017490 01  STATION-TABLE-2.                                                  DNM=123-33  BL=33 030  0001  DS 0CL49044
03484  017500      03 FILLER  PIC 9(10) COMP-3 VALUE  0100010000.                   DNM=123-36  BL=33 030  0001  DS 6P
03485  017510      03 FILLER  PIC X(120)       VALUE '303  304S 305  CS1  CS3  C    DNM=123-38  BL=33 036  0007  DS 120C
03486  017520-        'S5  CS6  311  312  1E   1MS  1W   CS7  CS8  CS9  CS11 CS4
03487  017530-        '  CS12 CS15 CS16S      '.
03488  017540      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=123-39  BL=33 0AE  0127  DS 75C
03489  017550      03 FILLER  PIC 9(10) COMP-3 VALUE  0100020000.                   DNM=123-40  BL=33 0F9  0202  DS 6P
03490  017560      03 FILLER  PIC X(120)       VALUE '2ME  2MW  2W   CS24 CS25 C    DNM=123-42  BL=33 0FF  0208  DS 120C
03491  017570-        'S26 CS28 CS29
03492  017580-        '                        '.
03493  017590      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=123-43  BL=33 177  0328  DS 75C
03494  017600      03 FILLER  PIC 9(10) COMP-3 VALUE  0100030000.                   DNM=123-45  BL=33 1C2  0403  DS 6P
03495  017610      03 FILLER  PIC X(120)       VALUE 'CS18 CS35 CS38 CS39           DNM=123-46  BL=33 1C8  0409  DS 120C
03496  017620-        '
03497  017630-        '                        '.
03498  017640      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=123-47  BL=33 240  0529  DS 75C
03499  017650      03 FILLER  PIC 9(10) COMP-3 VALUE  0100060000.                   DNM=123-49  BL=33 28B  0604  DS 6P
03500  017660      03 FILLER  PIC X(120)       VALUE 'AS4  CS60S                    DNM=124-00  BL=33 291  0610  DS 120C
03501  017670-        '
03502  017680-        '        '.
03503  017690      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=124-01  BL=33 309  0730  DS 75C
03504  017700      03 FILLER  PIC 9(10) COMP-3 VALUE  0111000000.                   DNM=124-02  BL=33 354  0805  DS 6P
03505  017710      03 FILLER  PIC X(120)       VALUE 'CS48                          DNM=124-04  BL=33 35A  0811  DS 120C
03506  017720-        '
03507  017730-        '        '.
03508  017740      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=124-05  BL=33 3D2  0931  DS 75C
03509  017750      03 FILLER  PIC 9(10) COMP-3 VALUE  0114000000.                   DNM=124-07  BL=33 41D  1006  DS 6P
03510  017760      03 FILLER  PIC X(120)       VALUE '321  322  4E   4M   4W   3    DNM=124-08  BL=33 423  1012  DS 120C
03511  017770-        'M   3W   CS43 CS44 CS45 CS46 CS53 CS54 CS56 CS58
03512  017780-        '        '.
03513  017790      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=124-09  BL=33 49B  1132  DS 75C
03514  017800      03 FILLER  PIC 9(10) COMP-3 VALUE  0114020100.                   DNM=124-11  BL=33 4E6  1207  DS 6P
03515  017810      03 FILLER  PIC X(120)       VALUE '6    7    8    CS49           DNM=124-12  BL=33 4EC  1213  DS 120C
03516  017820-        '
03517  017830-        '        '.
03518  017840      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=124-14  BL=33 564  1333  DS 75C
03519  017850      03 FILLER  PIC 9(10) COMP-3 VALUE  0200010000.                   DNM=124-15  BL=33 5AF  1408  DS 6P
03520  017860      03 FILLER  PIC X(120)       VALUE 'CR3                           DNM=124-16  BL=33 5B5  1414  DS 120C
03521  017870-        '
03522  017880-        '                                '.
03523  017890      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=124-18  BL=33 62D  1534  DS 75C
03524  017900      03 FILLER  PIC 9(10) COMP-3 VALUE  0200020000.                   DNM=124-19  BL=33 678  1609  DS 6P
03525  017910      03 FILLER  PIC X(120)       VALUE 'S3   S6   S1P  S2P  S3P  S    DNM=124-21  BL=33 67E  1615  DS 120C
03526  017920-        '4P  T1   T2   1    2    3
03527  017930-        '                                '.
03528  017940      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=124-22  BL=33 6F6  1735  DS 75C
03529  017950      03 FILLER  PIC 9(10) COMP-3 VALUE  0200030000.                   DNM=124-23  BL=33 741  1810  DS 6P
03530  017960      03 FILLER  PIC X(120)       VALUE 'T4   T8                       DNM=124-25  BL=33 747  1816  DS 120C
03531  017970-        '
03532  017980-        '                                '.
03533  017990      03 FILLER  PIC X(75)     VALUE SPACES.                           DNM=124-26  BL=33 7BF  1936  DS 75C
03534  018000      03 FILLER  PIC 9(10) COMP-3 VALUE  0200040000.                   DNM=124-28  BL=33 80A  2011  DS 6P
```

```
03535  018010   03 FILLER  PIC X(120)        VALUE '129S AS19 AS20 AS24 S4   S      DNM=124-29  BL=33 810  2017  DS 120C
03536  018020-     '5   S5P  S6P  S7P  S8P  T5   T6   T7   8
03537  018030-     '        '.
03538  018040   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=124-30  BL=33 888  2137  DS 75C
03539  018050   03 FILLER  PIC 9(10) COMP-3 VALUE  0200050000.                      DNM=124-32  BL=33 8D3  2212  DS 6P
03540  018060   03 FILLER  PIC X(120)        VALUE 'AS11 15   A2   W2   W4          DNM=124-33  BL=33 8D9  2218  DS 120C
03541  018070-     '
03542  018080-     '        '.
03543  018090   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=124-35  BL=33 951  2338  DS 75C
03544  018100   03 FILLER  PIC 9(10) COMP-3 VALUE  0200060000.                      DNM=124-36  BL=33 99C  2413  DS 6P
03545  018110   03 FILLER  PIC X(120)        VALUE 'W3   4    9                     DNM=124-37  BL=33 9A2  2419  DS 120C
03546  018120-     '
03547  018130-     '        '.
03548  018140   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=124-39  BL=33 A1A  2539  DS 75C
03549  018150   03 FILLER  PIC 9(10) COMP-3 VALUE  0200070000.                      DNM=124-40  BL=33 A65  2614  DS 6P
03550  018160   03 FILLER  PIC X(120)        VALUE '143  AS12 E1   E3   A1   A      DNM=124-42  BL=33 A6B  2620  DS 120C
03551  018170-     '3   A4   5    6
03552  018180-     '        '.
03553  018190   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=124-43  BL=33 AE3  2740  DS 75C
03554  018200   03 FILLER  PIC 9(10) COMP-3 VALUE  0200080000.                      DNM=124-44  BL=33 B2E  2815  DS 6P
03555  018210   03 FILLER  PIC X(120)        VALUE 'AS27 AS29 E2   E4               DNM=124-46  BL=33 B34  2821  DS 120C
03556  018220-     '
03557  018230-     '        '.
03558  018240   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=124-47  BL=33 BAC  2941  DS 75C
03559  018250   03 FILLER  PIC 9(10) COMP-3 VALUE  0200090000.                      DNM=124-49  BL=33 BF7  3016  DS 6P
03560  018260   03 FILLER  PIC X(120)        VALUE 'AS14                            DNM=125-00  BL=33 BFD  3022  DS 120C
03561  018270-     '
03562  018280-     '        '.
03563  018290   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=125-01  BL=33 C75  3142  DS 75C
03564  018300   03 FILLER  PIC 9(10) COMP-3 VALUE  0200100000.                      DNM=125-02  BL=33 CC0  3217  DS 6P
03565  018310   03 FILLER  PIC X(120)        VALUE 'A11                             DNM=125-04  BL=33 CC6  3223  DS 120C
03566  018320-     '
03567  018330-     '        '.
03568  018340   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=125-05  BL=33 D3E  3343  DS 75C
03569  018350   03 FILLER  PIC 9(10) COMP-3 VALUE  0200140000.                      DNM=125-07  BL=33 D89  3418  DS 6P
03570  018360   03 FILLER  PIC X(120)        VALUE 'AS34 AS35 AS37                  DNM=125-08  BL=33 D8F  3424  DS 120C
03571  018370-     '
03572  018380-     '        '.
03573  018390   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=125-09  BL=33 E07  3544  DS 75C
03574  018400   03 FILLER  PIC 9(10) COMP-3 VALUE  0200160000.                      DNM=125-11  BL=33 E52  3619  DS 6P
03575  018410   03 FILLER  PIC X(120)        VALUE 'AR6  AR7                        DNM=125-12  BL=33 E58  3625  DS 120C
03576  018420-     '
03577  018430-     '        '.
03578  018440   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=125-14  BL=33 ED0  3745  DS 75C
03579  018450   03 FILLER  PIC 9(10) COMP-3 VALUE  0200170000.                      DNM=125-15  BL=33 F1B  3820  DS 6P
03580  018460   03 FILLER  PIC X(120)        VALUE '133  AS2  AS3  AS5              DNM=125-16  BL=33 F21  3826  DS 120C
03581  018470-     '
03582  018480-     '        '.
03583  018490   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=125-18  BL=33 F99  3946  DS 75C
03584  018500   03 FILLER  PIC 9(10) COMP-3 VALUE  0200180000.                      DNM=125-19  BL=33 FE4  4021  DS 6P
03585  018510   03 FILLER  PIC X(120)        VALUE 'AS8A 147                        DNM=125-21  BL=33 FEA  4027  DS 120C
03586  018520-     '
03587  018530-     '        '.
03588  018540   03 FILLER  PIC X(75)         VALUE SPACES.                          DNM=125-22  BL=34 062  4147  DS 75C
```

```
74        NM100          10.43.12        APR  3,1984                                                    INT NAME    BASE  DISP RL01  DEFINITION

03589  018550     03 FILLER  PIC 9(10) COMP-3 VALUE  0201000000.                                        DNM=125-23  BL=34 0AD  4222  DS 6P
03590  018560     03 FILLER  PIC X(120)       VALUE '02   D4   D9   D13  D15  N                       DNM=125-25  BL=34 0B3  4228  DS 120C
03591  018570-       'R2  NR3  NR5  NR7  NR8  23   24   7    21   25   26
03592  018580-       '  '.
03593  018590     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=125-26  BL=34 12B  4348  DS 75C
03594  018600     03 FILLER  PIC 9(10) COMP-3 VALUE  0201100000.                                        DNM=125-28  BL=34 176  4423  DS 6P
03595  018610     03 FILLER  PIC X(120)       VALUE '22   12   23   '.                                 DNM=125-29  BL=34 17C  4429  DS 120C
03596  018620     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=125-30  BL=34 1F4  4549  DS 75C
03597  018630     03 FILLER  PIC 9(10) COMP-3 VALUE  0202000000.                                        DNM=125-32  BL=34 23F  4624  DS 6P
03598  018640     03 FILLER  PIC X(120)       VALUE '18   3    7    11   A16  1                       DNM=125-33  BL=34 245  4630  DS 120C
03599  018650-       '3S  15   17   22   23   20   21   22   82   83   84   85
03600  018660-       '  B8   B10  B11  B13  B14  A14  C2   '.
03601  018670     03 FILLER  PIC X(75)        VALUE 'C3   C4   C5   C9   C10  C                       DNM=125-35  BL=34 280  4750  DS 75C
03602  018680-       '11  S2   A6   A7   A8   A9   A10  A11  A12  A13  '.
03603  018690     03 FILLER  PIC 9(10) COMP-3 VALUE  0202060000.                                        DNM=125-36  BL=34 308  4825  DS 6P
03604  018700     03 FILLER  PIC X(120)       VALUE '20   A1   A3   A5   '.                           DNM=125-37  BL=34 30E  4831  DS 120C
03605  018710     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=125-39  BL=34 386  4951  DS 75C
03606  018720     03 FILLER  PIC 9(10) COMP-3 VALUE  0202140000.                                        DNM=125-40  BL=34 3D1  5026  DS 6P
03607  018730     03 FILLER  PIC X(120)       VALUE 'C7   25   '.                                      DNM=125-42  BL=34 3D7  5032  DS 120C
03608  018740     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=125-43  BL=34 44F  5152  DS 75C
03609  018750     03 FILLER  PIC 9(10) COMP-3 VALUE  0203000000.                                        DNM=125-44  BL=34 49A  5227  DS 6P
03610  018760     03 FILLER  PIC X(120)       VALUE '28   '.                                           DNM=125-46  BL=34 4A0  5233  DS 120C
03611  018770     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=125-47  BL=34 518  5353  DS 75C
03612  018780     03 FILLER  PIC 9(10) COMP-3 VALUE  0204000000.                                        DNM=125-49  BL=34 563  5428  DS 6P
03613  018790     03 FILLER  PIC X(120)       VALUE '1    3    6    7    8    2                       DNM=126-00  BL=34 569  5434  DS 120C
03614  018800-       '8   32   19   B4   B3A  B6   B5S  B6S  B7S  A2   A3   B1
03615  018810-       '  B3   9    B5   '.
03616  018820     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=126-01  BL=34 5E1  5554  DS 75C
03617  018830     03 FILLER  PIC 9(10) COMP-3 VALUE  0204010000.                                        DNM=126-02  BL=34 62C  5629  DS 6P
03618  018840     03 FILLER  PIC X(120)       VALUE '18   '.                                           DNM=126-04  BL=34 632  5635  DS 120C
03619  018850     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=126-05  BL=34 6AA  5755  DS 75C
03620  018860     03 FILLER  PIC 9(10) COMP-3 VALUE  0205000000.                                        DNM=126-07  BL=34 6F5  5830  DS 6P
03621  018870     03 FILLER  PIC X(120)       VALUE '1    3    4    5    6    7                       DNM=126-08  BL=34 6FB  5836  DS 120C
03622  018880-       '    8    14   19   20   38   16   17   A1   A3   A5   A6
03623  018890-       '  A7   A9   A12  A13  A14  A15  A16  '.
03624  018900     03 FILLER  PIC X(75)        VALUE '36   38S  24   25   26   27                      DNM=126-09  BL=34 773  5956  DS 75C
03625  018910-       '  4    6    A12  A13  A14  A15  A16  '.
03626  018920     03 FILLER  PIC 9(10) COMP-3 VALUE  0205030000.                                        DNM=126-11  BL=34 7BE  6031  DS 6P
03627  018930     03 FILLER  PIC X(120)       VALUE '37   A18  '.                                      DNM=126-12  BL=34 7C4  6037  DS 120C
03628  018940     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=126-14  BL=34 83C  6157  DS 75C
03629  018950     03 FILLER  PIC 9(10) COMP-3 VALUE  0205040000.                                        DNM=126-15  BL=34 887  6232  DS 6P
03630  018960     03 FILLER  PIC X(120)       VALUE '13   15   '.                                      DNM=126-16  BL=34 88D  6238  DS 120C
03631  018970     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=126-18  BL=34 905  6358  DS 75C
03632  018980     03 FILLER  PIC 9(10) COMP-3 VALUE  0205060000.                                        DNM=126-19  BL=34 950  6433  DS 6P
03633  018990     03 FILLER  PIC X(120)       VALUE '28   '.                                           DNM=126-21  BL=34 956  6439  DS 120C
03634  019000     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=126-22  BL=34 9CE  6559  DS 75C
03635  019010     03 FILLER  PIC 9(10) COMP-3 VALUE  0206000000.                                        DNM=126-23  BL=34 A19  6634  DS 6P
03636  019020     03 FILLER  PIC X(120)       VALUE 'E4   10   '.                                      DNM=126-25  BL=34 A1F  6640  DS 120C
03637  019030     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=126-26  BL=34 A97  6760  DS 75C
03638  019040     03 FILLER  PIC 9(10) COMP-3 VALUE  0206010000.                                        DNM=126-28  BL=34 AE2  6835  DS 6P
03639  019050     03 FILLER  PIC X(120)       VALUE 'E8   9    '.                                      DNM=126-29  BL=34 AE8  6841  DS 120C
03640  019060     03 FILLER  PIC X(75)        VALUE SPACES.                                              DNM=126-30  BL=34 B60  6961  DS 75C
03641  019070     03 FILLER  PIC 9(10) COMP-3 VALUE  0206020000.                                        DNM=126-32  BL=34 BA8  7036  DS 6P
03642  019080     03 FILLER  PIC X(120)       VALUE '43   '.                                           DNM=126-33  BL=34 BB1  7042  DS 120C
```

```
 75       NM100          10.43.12        APR  3,1984                                  INT NAME    BASE  DISP RL01  DEFINITION

03643  019090      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=126-35  BL=34 C29  7162  DS 75C
03644  019100      03 FILLER  PIC 9(10) COMP-3 VALUE  0206030000.                     DNM=126-36  BL=34 C74  7237  DS 6P
03645  019110      03 FILLER  PIC X(120)       VALUE 'E3                 '.          DNM=126-37  BL=34 C7A  7243  DS 120C
03646  019120      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=126-39  BL=34 CF2  7363  DS 75C
03647  019130      03 FILLER  PIC 9(10) COMP-3 VALUE  0207000000.                     DNM=126-40  BL=34 D3D  7438  DS 6P
03648  019140      03 FILLER  PIC X(120)       VALUE 'EB2  E83  EB5  PJ1  PJ2  12     DNM=126-42  BL=34 D43  7444  DS 120C
03649  019150-       '                  '.
03650  019160      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=126-43  BL=34 DBB  7564  DS 75C
03651  019170      03 FILLER  PIC 9(10) COMP-3 VALUE  0207010000.                     DNM=126-44  BL=34 E06  7639  DS 6P
03652  019180      03 FILLER  PIC X(120)       VALUE '10   2          '.          DNM=126-46  BL=34 E0C  7645  DS 120C
03653  019190      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=126-47  BL=34 E84  7765  DS 75C
03654  019200      03 FILLER  PIC 9(10) COMP-3 VALUE  0207020000.                     DNM=126-49  BL=34 ECF  7840  DS 6P
03655  019210      03 FILLER  PIC X(120)       VALUE '8    9    11   51   E86  13    DNM=127-00  BL=34 ED5  7846  DS 120C
03656  019220-       '  14   15   16          '.
03657  019230      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-01  BL=34 F4D  7966  DS 75C
03658  019240      03 FILLER  PIC 9(10) COMP-3 VALUE  0208000100.                     DNM=127-02  BL=34 F98  8041  DS 6P
03659  019250      03 FILLER  PIC X(120)       VALUE 'CR1  CR5  CR8  CR13 CR14 EP0    DNM=127-04  BL=34 F9E  8047  DS 120C
03660  019260-       '1 EP02 EP05 EP06 EP07 EP08 NA01 NA02 NA03 NA10 NA25 NA26
03661  019270-       '26                '.
03662  019280      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-05  BL=35 016  0025  DS 75C
03663  019290      03 FILLER  PIC 9(10) COMP-3 VALUE  0208000200.                     DNM=127-07  BL=35 061  0050  DS 6P
03664  019300      03 FILLER  PIC X(120)       VALUE 'CR10 CR11 NA05 NA06 11   25     DNM=127-08  BL=35 067  0056  DS 120C
03665  019310-       '          '.
03666  019320      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-09  BL=35 0DF  0176  DS 75C
03667  019330      03 FILLER  PIC 9(10) COMP-3 VALUE  0208000300.                     DNM=127-11  BL=35 12A  0251  DS 6P
03668  019340      03 FILLER  PIC X(120)       VALUE '58   9    10   CR12 CR15 070    DNM=127-12  BL=35 130  0257  DS 120C
03669  019350-       '41NA13 EP03 EP04 NA07 NA14 NA22 NA23 NA28 CR17 NA13 35
03670  019360-       '39   40   41   '.
03671  019370      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-14  BL=35 1A8  0377  DS 75C
03672  019380      03 FILLER  PIC 9(10) COMP-3 VALUE  0208000400.                     DNM=127-15  BL=35 1F3  0452  DS 6P
03673  019390      03 FILLER  PIC X(120)       VALUE 'CR20 NA11 NA12 NA15 NA16 NA3    DNM=127-16  BL=35 1F9  0458  DS 120C
03674  019400-       '0 34   42                                  '.
03675  019410      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-18  BL=35 271  0578  DS 75C
03676  019420      03 FILLER  PIC 9(10) COMP-3 VALUE  0208000500.                     DNM=127-19  BL=35 2BC  0653  DS 6P
03677  019430      03 FILLER  PIC X(120)       VALUE 'CR22 CR23 CR24 NA20 NA21 NA3    DNM=127-21  BL=35 2C2  0659  DS 120C
03678  019440-       '1 NA32 29   36   38          '.
03679  019450      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-22  BL=35 33A  0779  DS 75C
03680  019460      03 FILLER  PIC 9(10) COMP-3 VALUE  0208000600.                     DNM=127-23  BL=35 385  0854  DS 6P
03681  019470      03 FILLER  PIC X(120)       VALUE 'CR27 CR28 NA18 NA19 NA24 14     DNM=127-25  BL=35 388  0860  DS 120C
03682  019480-       '  30   32   CR29                '.
03683  019490      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-26  BL=35 403  0980  DS 75C
03684  019500      03 FILLER  PIC 9(10) COMP-3 VALUE  0208010000.                     DNM=127-28  BL=35 44E  1055  DS 6P
03685  019510      03 FILLER  PIC X(120)       VALUE 'R1   R2           '.          DNM=127-29  BL=35 454  1061  DS 120C
03686  019520      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-30  BL=35 4CC  1181  DS 75C
03687  019530      03 FILLER  PIC 9(10) COMP-3 VALUE  0208040000.                     DNM=127-32  BL=35 517  1256  DS 6P
03688  019540      03 FILLER  PIC X(120)       VALUE 'W2   W3           '.          DNM=127-33  BL=35 51D  1262  DS 120C
03689  019550      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-35  BL=35 595  1382  DS 75C
03690  019560      03 FILLER  PIC 9(10) COMP-3 VALUE  0208050000.                     DNM=127-36  BL=35 5E0  1457  DS 6P
03691  019570      03 FILLER  PIC X(120)       VALUE '60   59   82   B4   B5   B    DNM=127-37  BL=35 5E6  1463  DS 120C
03692  019580-       '6    B7   B8   B9   B10  NA08 NA09 37          '.
03693  019590      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-39  BL=35 65E  1583  DS 75C
03694  019600      03 FILLER  PIC 9(10) COMP-3 VALUE  0208060000.                     DNM=127-40  BL=35 6A9  1658  DS 6P
03695  019610      03 FILLER  PIC X(120)       VALUE 'M3           '.              DNM=127-42  BL=35 6AF  1664  DS 120C
03696  019620      03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=127-43  BL=35 727  1784  DS 75C
```

```
76        NM100          10.43.12        APR  3,1984                                  INT NAME    BASE  DISP RLOI  DEFINITION

03697  019630      03 FILLER  PIC 9(10) COMP-3 VALUE  0208120000.                    DNM=127-44  BL=35 772  1859  DS 6P
03698  019640      03 FILLER  PIC X(120)       VALUE 'N4   31   '.                  DNM=127-46  BL=35 778  1865  DS 120C
03699  019650      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=127-47  BL=35 7F0  1985  DS 75C
03700  019660      03 FILLER  PIC 9(10) COMP-3 VALUE  0208140000.                    DNM=127-49  BL=35 83B  2060  DS 6P
03701  019670      03 FILLER  PIC X(120)       VALUE '63   65   K1   K3   K4   L   DNM=128-00  BL=35 841  2066  DS 120C
03702  019680-        '1   L2   L3   L4   NA29 NA33 27   28   33        '.
03703  019690      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-01  BL=35 889  2186  DS 75C
03704  019700      03 FILLER  PIC 9(10) COMP-3 VALUE  0208140100.                    DNM=128-02  BL=35 904  2261  DS 6P
03705  019710      03 FILLER  PIC X(120)       VALUE 'L6   L5        '.             DNM=128-04  BL=35 90A  2267  DS 120C
03706  019720      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-05  BL=35 982  2387  DS 75C
03707  019730      03 FILLER  PIC 9(10) COMP-3 VALUE  0208190000.                    DNM=128-07  BL=35 9CD  2462  DS 6P
03708  019740      03 FILLER  PIC X(120)       VALUE '4    5    67   69   M1   M   DNM=128-08  BL=35 903  2468  DS 120C
03709  019750-        '3   M5   M6   M7   M9   M10  M11  M12  M13  M14  07252NA1
03710  019760-        '7 NA27 NA34 17   18   19   20   21   '.
03711  019770      03 FILLER  PIC X(75)        VALUE '22   23   24   25   26   2   DNM=128-09  BL=35 A48  2588  DS 75C
03712  019780-        '7   16   '.
03713  019790      03 FILLER  PIC 9(10) COMP-3 VALUE  0208190100.                    DNM=128-11  BL=35 A96  2663  DS 6P
03714  019800      03 FILLER  PIC X(120)       VALUE 'P1   P2   P3   P4   P5   P   DNM=128-12  BL=35 A9C  2669  DS 120C
03715  019810-        '6   P7        '.
03716  019820      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-14  BL=35 B14  2789  DS 75C
03717  019830      03 FILLER  PIC 9(10) COMP-3 VALUE  0208190200.                    DNM=128-15  BL=35 B5F  2864  DS 6P
03718  019840      03 FILLER  PIC X(120)       VALUE '9          '.                 DNM=128-16  BL=35 B65  2870  DS 120C
03719  019850      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-18  BL=35 BDD  2990  DS 75C
03720  019860      03 FILLER  PIC 9(10) COMP-3 VALUE  0208200000.                    DNM=128-19  BL=35 C28  3065  DS 6P
03721  019870      03 FILLER  PIC X(120)       VALUE 'S2   1    2    3    '.       DNM=128-21  BL=35 C2E  3071  DS 120C
03722  019880      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-22  BL=35 CA6  3191  DS 75C
03723  019890      03 FILLER  PIC 9(10) COMP-3 VALUE  0208230000.                    DNM=128-23  BL=35 CF1  3266  DS 6P
03724  019900      03 FILLER  PIC X(120)       VALUE '04   05   NA35 1    2    3   DNM=128-25  BL=35 CF7  3272  DS 120C
03725  019910-        '    4    5    6    7    8    9    10   11   '.
03726  019920      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-26  BL=35 D6F  3392  DS 75C
03727  019930      03 FILLER  PIC 9(10) COMP-3 VALUE  0208240000.                    DNM=128-28  BL=35 DBA  3467  DS 6P
03728  019940      03 FILLER  PIC X(120)       VALUE 'P4   P5   12   13   '.       DNM=128-29  BL=35 DC0  3473  DS 120C
03729  019950      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-30  BL=35 E38  3593  DS 75C
03730  019960      03 FILLER  PIC 9(10) COMP-3 VALUE  0209000000.                    DNM=128-32  BL=35 E83  3668  DS 6P
03731  019970      03 FILLER  PIC X(120)       VALUE 'B81  B82  AS23 EP09 7        DNM=128-33  BL=35 E89  3674  DS 120C
03732  019980-        '                                          '.
03733  019990      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-35  BL=35 F01  3794  DS 75C
03734  020000      03 FILLER  PIC 9(10) COMP-3 VALUE  0209010000.                    DNM=128-36  BL=35 F4C  3869  DS 6P
03735  020010      03 FILLER  PIC X(120)       VALUE '2    71S  75   73   CR2  C   DNM=128-37  BL=35 F52  3875  DS 120C
03736  020020-        'R3  CR4  CR6  CR7  CR9  CR10 CR11 CR12 CR13 CR15 CR16 10
03737  020030-        '   11   12   14   15   16   18        '.
03738  020040      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-39  BL=35 FCA  3995  DS 75C
03739  020050      03 FILLER  PIC 9(10) COMP-3 VALUE  0209010200.                    DNM=128-40  BL=36 015  4070  DS 6P
03740  020060      03 FILLER  PIC X(120)       VALUE '17                            DNM=128-42  BL=36 018  4076  DS 120C
03741  020070-        '
03742  020080-        '                                          '.
03743  020090      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-43  BL=36 093  4196  DS 75C
03744  020100      03 FILLER  PIC 9(10) COMP-3 VALUE  0210000100.                    DNM=128-44  BL=36 0DE  4271  DS 6P
03745  020110      03 FILLER  PIC X(120)       VALUE 'RR2  14   43   '.            DNM=128-46  BL=36 0E4  4277  DS 120C
03746  020120      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=128-47  BL=36 15C  4397  DS 75C
03747  020130      03 FILLER  PIC 9(10) COMP-3 VALUE  0210000200.                    DNM=128-49  BL=36 1A7  4472  DS 6P
03748  020140      03 FILLER  PIC X(120)       VALUE '5    RR4  RR8  RR9  RR10 3   DNM=129-00  BL=36 1AD  4478  DS 120C
03749  020150-        '7   RR15 RR16 RR17 4    38   RR3  '.
03750  020160      03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=129-01  BL=36 225  4598  DS 75C
```

```
                                                                                                                    INT NAME    BASE  DISP RL01  DEFINITION
03751  020170      03 FILLER  PIC 9(10) COMP-3 VALUE  0210000300.                                                  DNM=129-02  BL=36 270  4673  DS 6P
03752  020180      03 FILLER  PIC X(120)       VALUE 'RR24 RR25 RR26 '.                                          DNM=129-04  BL=36 276  4679  DS 120C
03753  020190      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-05  BL=36 2EE  4799  DS 75C
03754  020200      03 FILLER  PIC 9(10) COMP-3 VALUE  0210000400.                                                DNM=129-07  BL=36 339  4874  DS 6P
03755  020210      03 FILLER  PIC X(120)       VALUE 'RR30 RR31 RR21 24   42
03756  020220-         '          '.                                                                             DNM=129-08  BL=36 33F  4880  DS 120C
03757  020230      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-09  BL=36 387  5000  DS 75C
03758  020240      03 FILLER  PIC 9(10) COMP-3 VALUE  0210000500.                                                DNM=129-11  BL=36 402  5075  DS 6P
03759  020250      03 FILLER  PIC X(120)       VALUE 'RR32 RR33 RR34 20
03760  020260-         '23   25   5    '.                                                                        DNM=129-12  BL=36 408  5081  DS 120C
03761  020270      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-14  BL=36 480  5201  DS 75C
03762  020280      03 FILLER  PIC 9(10) COMP-3 VALUE  0210010000.                                                DNM=129-15  BL=36 4CB  5276  DS 6P
03763  020290      03 FILLER  PIC X(120)       VALUE '35   36   41   '.                                        DNM=129-16  BL=36 4D1  5282  DS 120C
03764  020300      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-18  BL=36 549  5402  DS 75C
03765  020310      03 FILLER  PIC 9(10) COMP-3 VALUE  0210070000.                                                DNM=129-19  BL=36 594  5477  DS 6P
03766  020320      03 FILLER  PIC X(120)       VALUE '3    4    5    6    7
03767  020330-         '                   '.                                                                   DNM=129-21  BL=36 59A  5483  DS 120C
03768  020340      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-22  BL=36 612  5603  DS 75C
03769  020350      03 FILLER  PIC 9(10) COMP-3 VALUE  0210080000.                                                DNM=129-23  BL=36 65D  5678  DS 6P
03770  020360      03 FILLER  PIC X(120)       VALUE '39                '.                                       DNM=129-25  BL=36 663  5684  DS 120C
03771  020370      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-26  BL=36 6DB  5804  DS 75C
03772  020380      03 FILLER  PIC 9(10) COMP-3 VALUE  0212000000.                                                DNM=129-28  BL=36 726  5879  DS 6P
03773  020390      03 FILLER  PIC X(120)       VALUE 'M5   M7           '.                                       DNM=129-29  BL=36 72C  5885  DS 120C
03774  020400      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-30  BL=36 7A4  6005  DS 75C
03775  020410      03 FILLER  PIC 9(10) COMP-3 VALUE  0213000000.                                                DNM=129-32  BL=36 7EF  6080  DS 6P
03776  020420      03 FILLER  PIC X(120)       VALUE '11   6            '.                                       DNM=129-33  BL=36 7F5  6086  DS 120C
03777  020430      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-35  BL=36 86D  6206  DS 75C
03778  020440      03 FILLER  PIC 9(10) COMP-3 VALUE  0213010000.                                                DNM=129-36  BL=36 888  6281  DS 6P
03779  020450      03 FILLER  PIC X(120)       VALUE '4    9    10   25   35   8
03780  020460-         '5   7    J1   J6   US1  US2  US3  US4  US5  US6  4D3  4D4
03781  020470-         '   4D8  4D9  84S  38   39   '.                                                           DNM=129-37  BL=36 88E  6287  DS 120C
03782  020480      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-39  BL=36 936  6407  DS 75C
03783  020490      03 FILLER  PIC 9(10) COMP-3 VALUE  0213010400.                                                DNM=129-40  BL=36 981  6482  DS 6P
03784  020500      03 FILLER  PIC X(120)       VALUE '40
03785  020510-         '                   '.                                                                   DNM=129-42  BL=36 987  6488  DS 120C
03786  020520      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-43  BL=36 9FF  6608  DS 75C
03787  020530      03 FILLER  PIC 9(10) COMP-3 VALUE  0213010502.                                                DNM=129-44  BL=36 A4A  6683  DS 6P
03788  020540      03 FILLER  PIC X(120)       VALUE '4D1  '.                                                    DNM=129-46  BL=36 A50  6689  DS 120C
03789  020550      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=129-47  BL=36 AC8  6809  DS 75C
03790  020560      03 FILLER  PIC 9(10) COMP-3 VALUE  0213010504.                                                DNM=129-49  BL=36 B13  6884  DS 6P
03791  020570      03 FILLER  PIC X(120)       VALUE '7612 76NE 7801 7820 7650 7
03792  020580-         '802 7803 7804 7805 7806 7807 7808 7809 7810 7811 7812 781
03793  020590-         '3 7814 7815 7816 7817 7818 7819 7602 '.                                                  DNM=130-00  BL=36 B19  6890  DS 120C
03794  020600      03 FILLER  PIC X(75)        VALUE '7603 7604 7605 7606 7607 7
03795  020610-         '608 7609 7610 7611                '.                                                     DNM=130-01  BL=36 B91  7010  DS 75C
03796  020620      03 FILLER  PIC 9(10) COMP-3 VALUE  0214000100.                                                DNM=130-02  BL=36 BDC  7085  DS 6P
03797  020630      03 FILLER  PIC X(120)       VALUE '2D9  19           '.                                       DNM=130-04  BL=36 BE2  7091  DS 120C
03798  020640      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=130-05  BL=36 C5A  7211  DS 75C
03799  020650      03 FILLER  PIC 9(10) COMP-3 VALUE  0214000200.                                                DNM=130-07  BL=36 CA5  7286  DS 6P
03800  020660      03 FILLER  PIC X(120)       VALUE '2D3  '.                                                    DNM=130-08  BL=36 CAB  7292  DS 120C
03801  020670      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=130-09  BL=36 D23  7412  DS 75C
03802  020680      03 FILLER  PIC 9(10) COMP-3 VALUE  0214000300.                                                DNM=130-11  BL=36 D6E  7487  DS 6P
03803  020690      03 FILLER  PIC X(120)       VALUE '1    '.                                                    DNM=130-12  BL=36 D74  7493  DS 120C
03804  020700      03 FILLER  PIC X(75)        VALUE SPACES.                                                     DNM=130-14  BL=36 DEC  7613  DS 75C
```

```
03805  020710      03 FILLER  PIC 9(10) COMP-3 VALUE 0214000700.                    DNM=130-15  BL=36 E37  7688  DS 6P
03806  020720      03 FILLER  PIC X(120)       VALUE '21   '.                      DNM=130-16  BL=36 E30  7694  DS 120C
03807  020730      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=130-18  BL=36 E85  7814  DS 75C
03808  020740      03 FILLER  PIC 9(10) COMP-3 VALUE 0214000800.                    DNM=130-19  BL=36 F00  7889  DS 6P
03809  020750      03 FILLER  PIC X(120)       VALUE '3E2  13                 '.    DNM=130-21  BL=36 F06  7895  DS 120C
03810  020760      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=130-22  BL=36 F7E  8015  DS 75C
03811  020770      03 FILLER  PIC 9(10) COMP-3 VALUE 0214010000.                    DNM=130-23  BL=36 FC9  8090  DS 6P
03812  020780      03 FILLER  PIC X(120)       VALUE 'LA2  LA3  LA4  LA6  LA7  3D5  DNM=130-25  BL=36 FCF  8096  DS 120C
03813  020790-       '  3D4  17   19        '.
03814  020800      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=130-26  BL=37 047  0024  DS 75C
03815  020810      03 FILLER  PIC 9(10) COMP-3 VALUE 0214020000.                    DNM=130-28  BL=37 092  0099  DS 6P
03816  020820      03 FILLER  PIC X(120)       VALUE 'AR2  3D3  '.                 DNM=130-29  BL=37 098  0105  DS 120C
03817  020830      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=130-30  BL=37 110  0225  DS 75C
03818  020840      03 FILLER  PIC 9(10) COMP-3 VALUE 0214030100.                    DNM=130-32  BL=37 15B  0300  DS 6P
03819  020850      03 FILLER  PIC X(120)       VALUE 'H3   H4   H5   3D1  23   '.  DNM=130-33  BL=37 161  0306  DS 120C
03820  020860      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=130-35  BL=37 109  0426  DS 75C
03821  020870      03 FILLER  PIC 9(10) COMP-3 VALUE 0214040000.                    DNM=130-36  BL=37 224  0501  DS 6P
03822  020880      03 FILLER  PIC X(120)       VALUE '2D2  2D1  AR16 '.            DNM=130-37  BL=37 22A  0507  DS 120C
03823  020890      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=130-39  BL=37 2A2  0627  DS 75C
03824  020900      03 FILLER  PIC 9(10) COMP-3 VALUE 0214050000.                    DNM=130-40  BL=37 2ED  0702  DS 6P
03825  020910      03 FILLER  PIC X(120)       VALUE 'E7   2D7        '.           DNM=130-42  BL=37 2F3  0708  DS 120C
03826  020920      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=130-43  BL=37 368  0828  DS 75C
03827  020930      03 FILLER  PIC 9(10) COMP-3 VALUE 0214060000.                    DNM=130-44  BL=37 386  0903  DS 6P
03828  020940      03 FILLER  PIC X(120)       VALUE '104  105  106  G2   G4   G   DNM=130-46  BL=37 38C  0909  DS 120C
03829  020950-       '5   G6   G8   2D10 2D8                '.
03830  020960      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=130-47  BL=37 434  1029  DS 75C
03831  020970      03 FILLER  PIC 9(10) COMP-3 VALUE 0214070000.                    DNM=130-49  BL=37 47F  1104  DS 6P
03832  020980      03 FILLER  PIC X(120)       VALUE '2E2                  '.       DNM=131-00  BL=37 485  1110  DS 120C
03833  020990      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=131-01  BL=37 4FD  1230  DS 75C
03834  021000      03 FILLER  PIC 9(10) COMP-3 VALUE 0214140000.                    DNM=131-02  BL=37 548  1305  DS 6P
03835  021010      03 FILLER  PIC X(120)       VALUE 'NA5                  '.       DNM=131-04  BL=37 54E  1311  DS 120C
03836  021020      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=131-05  BL=37 5C6  1431  DS 75C
03837  021030      03 FILLER  PIC 9(10) COMP-3 VALUE 0214140200.                    DNM=131-07  BL=37 611  1506  DS 6P
03838  021040      03 FILLER  PIC X(120)       VALUE '12                   '.       DNM=131-08  BL=37 617  1512  DS 120C
03839  021050      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=131-09  BL=37 68F  1632  DS 75C
03840  021060      03 FILLER  PIC 9(10) COMP-3 VALUE 0216000000.                    DNM=131-11  BL=37 6DA  1707  DS 6P
03841  021070      03 FILLER  PIC X(120)       VALUE 'BB3  BB4             '.       DNM=131-12  BL=37 6E0  1713  DS 120C
03842  021080      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=131-14  BL=37 758  1833  DS 75C
03843  021090      03 FILLER  PIC 9(10) COMP-3 VALUE 0300000000.                    DNM=131-15  BL=37 7A3  1908  DS 6P
03844  021100      03 FILLER  PIC X(120)       VALUE '113  148  27   CR1  CR3  C    DNM=131-16  BL=37 7A9  1914  DS 120C
03845  021110-       'R4  CR6  CR7  CR9  CR20 CR21 '.
03846  021120      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=131-18  BL=37 821  2034  DS 75C
03847  021130      03 FILLER  PIC 9(10) COMP-3 VALUE 0400000000.                    DNM=131-19  BL=37 86C  2109  DS 6P
03848  021140      03 FILLER  PIC X(120)       VALUE 'E3   115  118  119  28   R9  DNM=131-21  BL=37 872  2115  DS 120C
03849  021150-       ' R10  R12  R13  R14  R16  R17  R18  R19  R20  R21  RI3  RS
03850  021160-       '1  RS2                '.
03851  021170      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=131-22  BL=37 8EA  2235  DS 75C
03852  021180      03 FILLER  PIC 9(10) COMP-3 VALUE 0401000000.                    DNM=131-23  BL=37 935  2310  DS 6P
03853  021190      03 FILLER  PIC X(120)       VALUE 'R2   R3   RI2        '.       DNM=131-25  BL=37 938  2316  DS 120C
03854  021200      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=131-26  BL=37 983  2436  DS 75C
03855  021210      03 FILLER  PIC 9(10) COMP-3 VALUE 0404000000.                    DNM=131-28  BL=37 9FE  2511  DS 6P
03856  021220      03 FILLER  PIC X(120)       VALUE '117  116  RI11       '.       DNM=131-29  BL=37 A04  2517  DS 120C
03857  021230      03 FILLER  PIC X(75)        VALUE SPACES.                       DNM=131-30  BL=37 A7C  2637  DS 75C
03858  021240      03 FILLER  PIC 9(10) COMP-3 VALUE 0500300100.                    DNM=131-32  BL=37 AC7  2712  DS 6P
```

```
 79       NM100          10.43.12        APR  3,1984                                  INT NAME   BASE  DISP RLOI  DEFINITION

03859  021250     03 FILLER  PIC X(120)      VALUE 'HI9S HI12SHI14 HI15 HI16 HI          DNM=131-33  BL=37 ACD  2718  DS 120C
03860  021260-       'I7 HI18 HI19 HI21 HI22 HI23 HI24 HI25 HI26 HI27 HI28 HI29
03861  021270-       ' HI30 HI31 HI32 HI3OSHAT1 HAT2 HAT3 '.
03862  021280     03 FILLER  PIC X(75)       VALUE 'HAT4 HAT5 HAT6 HI4  '.               DNM=131-35  BL=37 845  2838  DS 75C
03863  021290     03 FILLER  PIC 9(10) COMP-3 VALUE  0500300200.                         DNM=131-36  BL=37 890  2913  DS 6P
03864  021300     03 FILLER  PIC X(120)      VALUE 'OI7  OI8  OI9          '.           DNM=131-37  BL=37 896  2919  DS 120C
03865  021310     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=131-39  BL=37 C0E  3039  DS 75C
03866  021320     03 FILLER  PIC 9(10) COMP-3 VALUE  0500300300.                         DNM=131-40  BL=37 C59  3114  DS 6P
03867  021330     03 FILLER  PIC X(120)      VALUE 'PI4  PI5  PI6          '.           DNM=131-42  BL=37 C5F  3120  DS 120C
03868  021340     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=131-43  BL=37 C07  3240  DS 75C
03869  021350     03 FILLER  PIC 9(10) COMP-3 VALUE  0501000000.                         DNM=131-44  BL=37 D22  3315  DS 6P
03870  021360     03 FILLER  PIC X(120)      VALUE 'SPB4 SPB5 SPB6 P12  SPB7 SP          DNM=131-46  BL=37 D28  3321  DS 120C
03871  021370-       'B8                '.
03872  021380     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=131-47  BL=37 DA0  3441  DS 75C
03873  021390     03 FILLER  PIC 9(10) COMP-3 VALUE  0503000000.                         DNM=131-49  BL=37 DEB  3516  DS 6P
03874  021400     03 FILLER  PIC X(120)      VALUE 'LSR13P10  LSR14        '.           DNM=132-00  BL=37 DF1  3522  DS 120C
03875  021410     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-01  BL=37 E69  3642  DS 75C
03876  021420     03 FILLER  PIC 9(10) COMP-3 VALUE  0506000000.                         DNM=132-02  BL=37 EB4  3717  DS 6P
03877  021430     03 FILLER  PIC X(120)      VALUE 'FC9  P9          '.                DNM=132-04  BL=37 EBA  3723  DS 120C
03878  021440     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-05  BL=37 F32  3843  DS 75C
03879  021450     03 FILLER  PIC 9(10) COMP-3 VALUE  0514000000.                         DNM=132-07  BL=37 F7D  3918  DS 6P
03880  021460     03 FILLER  PIC X(120)      VALUE 'WB7  WB12 3F3  '.                  DNM=132-08  BL=37 F83  3924  DS 120C
03881  021470     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-09  BL=37 FFB  4044  DS 75C
03882  021480     03 FILLER  PIC 9(10) COMP-3 VALUE  0521000000.                         DNM=132-11  BL=38 046  4119  DS 6P
03883  021490     03 FILLER  PIC X(120)      VALUE 'JB9          '.                    DNM=132-12  BL=38 04C  4125  DS 120C
03884  021500     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-14  BL=38 0C4  4245  DS 75C.
03885  021510     03 FILLER  PIC 9(10) COMP-3 VALUE  0522000000.                         DNM=132-15  BL=38 10F  4320  DS 6P
03886  021520     03 FILLER  PIC X(120)      VALUE 'SQB9 SQB10P3  4F9  '.              DNM=132-16  BL=38 115  4326  DS 120C
03887  021530     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-18  BL=38 18D  4446  DS 75C
03888  021540     03 FILLER  PIC 9(10) COMP-3 VALUE  0522010000.                         DNM=132-19  BL=38 1D8  4521  DS 6P
03889  021550     03 FILLER  PIC X(120)      VALUE 'SQB1LSQB1M  '.                     DNM=132-21  BL=38 10E  4527  DS 120C
03890  021560     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-22  BL=38 256  4647  DS 75C
03891  021570     03 FILLER  PIC 9(10) COMP-3 VALUE  0526000000.                         DNM=132-23  BL=38 2A1  4722  DS 6P
03892  021580     03 FILLER  PIC X(120)      VALUE 'RB10 RB13 RB14 RB15 RB23 R           DNM=132-25  BL=38 2A7  4728  DS 120C
03893  021590-       'B24 RB25 RB26 RB27 RB28 RB29 P2          '.
03894  021600     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-26  BL=38 31F  4848  DS 75C
03895  021610     03 FILLER  PIC 9(10) COMP-3 VALUE  0526030000.                         DNM=132-28  BL=38 36A  4923  DS 6P
03896  021620     03 FILLER  PIC X(120)      VALUE 'RB1M RBLL 4F7  '.                  DNM=132-29  BL=38 370  4929  DS 120C
03897  021630     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-30  BL=38 3E8  5049  DS 75C
03898  021640     03 FILLER  PIC 9(10) COMP-3 VALUE  0526050000.                         DNM=132-32  BL=38 433  5124  DS 6P
03899  021650     03 FILLER  PIC X(120)      VALUE 'RB2U          '.                   DNM=132-33  BL=38 439  5130  DS 120C
03900  021660     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-35  BL=38 481  5250  DS 75C
03901  021670     03 FILLER  PIC 9(10) COMP-3 VALUE  0527000000.                         DNM=132-36  BL=38 4FC  5325  DS 6P
03902  021680     03 FILLER  PIC X(120)      VALUE 'SB13          '.                   DNM=132-37  BL=38 502  5331  DS 120C
03903  021690     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-39  BL=38 57A  5451  DS 75C
03904  021700     03 FILLER  PIC 9(10) COMP-3 VALUE  0527020000.                         DNM=132-40  BL=38 5C5  5526  DS 6P
03905  021710     03 FILLER  PIC X(120)      VALUE 'SB7           '.                   DNM=132-42  BL=38 5CB  5532  DS 120C
03906  021720     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-43  BL=38 643  5652  DS 75C
03907  021730     03 FILLER  PIC 9(10) COMP-3 VALUE  0528000100.                         DNM=132-44  BL=38 68E  5727  DS 6P
03908  021740     03 FILLER  PIC X(120)      VALUE '138  143  144  145  153S 1         DNM=132-46  BL=38 694  5733  DS 120C
03909  021750-       '55  159  160  161  162S 4F4  PAR33      '.
03910  021760     03 FILLER  PIC X(75)       VALUE SPACES.                               DNM=132-47  BL=38 70C  5853  DS 75C
03911  021770     03 FILLER  PIC 9(10) COMP-3 VALUE  0528000200.                         DNM=132-49  BL=38 757  5928  DS 6P
03912  021780     03 FILLER  PIC X(120)      VALUE '130  131S 132  136  141  P         DNM=133-00  BL=38 75D  5934  DS 120C
```

```
80        NM100          10.43.12        APR  3,1984                                  INT NAME    BASE  DISP RL01  DEFINITION

03913  021790-       'AR5S                                    '.
03914  021800     03 FILLER  PIC X(75)          VALUE SPACES.                          DNM=133-01  BL=38 7D5  6054  DS 75C
03915  021810     03 FILLER  PIC 9(10) COMP-3 VALUE  0528000300.                       DNM=133-02  BL=38 820  6129  DS 6P
03916  021820     03 FILLER  PIC X(120)          VALUE '115  116  PAR1S'.            DNM=133-04  BL=38 826  6135  DS 120C
03917  021830     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-05  BL=38 89E  6255  DS 75C
03918  021840     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060001.                       DNM=133-07  BL=38 8E9  6330  DS 6P
03919  021850     03 FILLER  PIC X(120)          VALUE 'PUR25PUR26PUR15PUR27PUR28     DNM=133-08  BL=38 8EF  6336  DS 120C
03920  021860-       'PUR29'.
03921  021870     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-09  BL=38 967  6456  DS 75C
03922  021880     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060003.                       DNM=133-11  BL=38 982  6531  DS 6P
03923  021890     03 FILLER  PIC X(120)          VALUE '2035 204  208  4E1  4E2      DNM=133-12  BL=38 988  6537  DS 120C
03924  021900-       '5E8  PUR10BP1  BP2  BP3  BP7  P3   P4   P7   PPR1 '.
03925  021910     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-14  BL=38 A30  6657  DS 75C
03926  021920     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060004.                       DNM=133-15  BL=38 A78  6732  DS 6P
03927  021930     03 FILLER  PIC X(120)          VALUE 'PPR2          '.            DNM=133-16  BL=38 A81  6738  DS 120C
03928  021940     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-18  BL=38 AF9  6858  DS 75C
03929  021950     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060100.                       DNM=133-19  BL=38 B44  6933  DS 6P
03930  021960     03 FILLER  PIC X(120)          VALUE 'PUR24228  230  5F22    '.    DNM=133-21  BL=38 B4A  6939  DS 120C
03931  021970     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-22  BL=38 BC2  7059  DS 75C
03932  021980     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060200.                       DNM=133-23  BL=38 C0D  7134  DS 6P
03933  021990     03 FILLER  PIC X(120)          VALUE '5F23              '.          DNM=133-25  BL=38 C13  7140  DS 120C
03934  022000     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-26  BL=38 C8B  7260  DS 75C
03935  022010     03 FILLER  PIC 9(10) COMP-3 VALUE  0528060600.                       DNM=133-28  BL=38 C06  7335  DS 6P
03936  022020     03 FILLER  PIC X(120)          VALUE 'PPR4              '.          DNM=133-29  BL=38 CDC  7341  DS 120C
03937  022030     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-30  BL=38 D54  7461  DS 75C
03938  022040     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063200.                       DNM=133-32  BL=38 D9F  7536  DS 6P
03939  022050     03 FILLER  PIC X(120)          VALUE '5E10              '.          DNM=133-33  BL=38 DA5  7542  DS 120C
03940  022060     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-35  BL=38 E1D  7662  DS 75C
03941  022070     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063204.                       DNM=133-36  BL=38 E68  7737  DS 6P
03942  022080     03 FILLER  PIC X(120)          VALUE 'PPR3              '.          DNM=133-37  BL=38 E6E  7743  DS 120C
03943  022090     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-39  BL=38 EE6  7863  DS 75C
03944  022100     03 FILLER  PIC 9(10) COMP-3 VALUE  0528063300.                       DNM=133-40  BL=38 F31  7938  DS 6P
03945  022110     03 FILLER  PIC X(120)          VALUE '214  213  PUR8S6E3  5E1  5   DNM=133-42  BL=38 F37  7944  DS 120C
03946  022120-       'E11                                     '.
03947  022130     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-43  BL=38 FAF  8064  DS 75C
03948  022140     03 FILLER  PIC 9(10) COMP-3 VALUE  0528064100.                       DNM=133-44  BL=38 FFA  8139  DS 6P
03949  022150     03 FILLER  PIC X(120)          VALUE '6    7    17    '.          DNM=133-46  BL=39 000  0047  DS 120C
03950  022160     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=133-47  BL=39 078  0073  DS 75C
03951  022170     03 FILLER  PIC 9(10) COMP-3 VALUE  0528064101.                       DNM=133-49  BL=39 0C3  0148  DS 6P
03952  022180     03 FILLER  PIC X(120)          VALUE '13                '.          DNM=134-00  BL=39 0C9  0154  DS 120C
03953  022190     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=134-01  BL=39 141  0274  DS 75C
03954  022200     03 FILLER  PIC 9(10) COMP-3 VALUE  0528070000.                       DNM=134-02  BL=39 18C  0349  DS 6P
03955  022210     03 FILLER  PIC X(120)          VALUE '156               '.          DNM=134-04  BL=39 192  0355  DS 120C
03956  022220     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=134-05  BL=39 20A  0475  DS 75C
03957  022230     03 FILLER  PIC 9(10) COMP-3 VALUE  0528070200.                       DNM=134-07  BL=39 255  0550  DS 6P
03958  022240     03 FILLER  PIC X(120)          VALUE '156               '.          DNM=134-08  BL=39 258  0556  DS 120C
03959  022250     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=134-09  BL=39 2D3  0676  DS 75C
03960  022260     03 FILLER  PIC 9(10) COMP-3 VALUE  0528120000.                       DNM=134-11  BL=39 31E  0751  DS 6P
03961  022270     03 FILLER  PIC X(120)          VALUE '135  163          '.          DNM=134-12  BL=39 324  0757  DS 120C
03962  022280     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=134-14  BL=39 39C  0877  DS 75C
03963  022290     03 FILLER  PIC 9(10) COMP-3 VALUE  0528160000.                       DNM=134-15  BL=39 3E7  0952  DS 6P
03964  022300     03 FILLER  PIC X(120)          VALUE '125  PGC1         '.          DNM=134-16  BL=39 3ED  0958  DS 120C
03965  022310     03 FILLER  PIC X(75)           VALUE SPACES.                        DNM=134-18  BL=39 465  1078  DS 75C
03966  022320     03 FILLER  PIC 9(10) COMP-3 VALUE  0528170000.                       DNM=134-19  BL=39 480  1153  DS 6P
```

```
03967  022330      03 FILLER  PIC X(120)       VALUE 'PBR1                    '.                    DNM=134-21  BL=39 4B6  1159  DS 120C
03968  022340      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=134-22  BL=39 52E  1279  DS 75C
03969  022350      03 FILLER  PIC 9(10) COMP-3 VALUE  0528200000.                                   DNM=134-23  BL=39 579  1354  DS 6P
03970  022360      03 FILLER  PIC X(120)       VALUE '105  106  109  101  TR1  T                  DNM=134-25  BL=39 57F  1360  DS 120C
03971  022370-        'R2  TR3  TR4  TR5  TR6  TR7  TR8  TR9  '.
03972  022380      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=134-26  BL=39 5F7  1480  DS 75C
03973  022390      03 FILLER  PIC 9(10) COMP-3 VALUE  0528200200.                                   DNM=134-28  BL=39 642  1555  DS 6P
03974  022400      03 FILLER  PIC X(120)       VALUE 'TTC2 TTC3 TTC4 TTC5       '.                 DNM=134-29  BL=39 648  1561  DS 120C
03975  022410      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=134-30  BL=39 6C0  1681  DS 75C
03976  022420      03 FILLER  PIC 9(10) COMP-3 VALUE  0528200300.                                   DNM=134-32  BL=39 70B  1756  DS 6P
03977  022430      03 FILLER  PIC X(120)       VALUE 'TGC4                    '.                    DNM=134-33  BL=39 711  1762  DS 120C
03978  022440      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=134-35  BL=39 789  1882  DS 75C
03979  022450      03 FILLER  PIC 9(10) COMP-3 VALUE  0528200800.                                   DNM=134-36  BL=39 7D4  1957  DS 6P
03980  022460      03 FILLER  PIC X(120)       VALUE 'TFC4 TFC5                '.                   DNM=134-37  BL=39 7DA  1963  DS 120C
03981  022470      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=134-39  BL=39 852  2083  DS 75C
03982  022480      03 FILLER  PIC 9(10) COMP-3 VALUE  0528201000.                                   DNM=134-40  BL=39 890  2158  DS 6P
03983  022490      03 FILLER  PIC X(120)       VALUE 'TTN4 TTN5                '.                   DNM=134-42  BL=39 8A3  2164  DS 120C
03984  022500      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=134-43  BL=39 918  2284  DS 75C
03985  022510      03 FILLER  PIC 9(10) COMP-3 VALUE  0528201700.                                   DNM=134-44  BL=39 966  2359  DS 6P
03986  022520      03 FILLER  PIC X(120)       VALUE 'TCC3                    '.                    DNM=134-46  BL=39 96C  2365  DS 120C
03987  022530      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=134-47  BL=39 9E4  2485  DS 75C
03988  022540      03 FILLER  PIC 9(10) COMP-3 VALUE  0528202000.                                   DNM=134-49  BL=39 A2F  2560  DS 6P
03989  022550      03 FILLER  PIC X(120)       VALUE 'TSC4                    '.                    DNM=135-00  BL=39 A35  2566  DS 120C
03990  022560      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=135-01  BL=39 AAD  2686  DS 75C
03991  022570      03 FILLER  PIC 9(10) COMP-3 VALUE  0528290100.                                   DNM=135-02  BL=39 AF8  2761  DS 6P
03992  022580      03 FILLER  PIC X(120)       VALUE 'PBB1                    '.                    DNM=135-04  BL=39 AFE  2767  DS 120C
03993  022590      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=135-05  BL=39 B76  2887  DS 75C
03994  022600      03 FILLER  PIC 9(10) COMP-3 VALUE  0528350000.                                   DNM=135-07  BL=39 BC1  2962  DS 6P
03995  022610      03 FILLER  PIC X(120)       VALUE 'PDM1 PAR34               '.                   DNM=135-08  BL=39 BC7  2968  DS 120C
03996  022620      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=135-09  BL=39 C3F  3088  DS 75C
03997  022630      03 FILLER  PIC 9(10) COMP-3 VALUE  0528370000.                                   DNM=135-11  BL=39 C8A  3163  DS 6P
03998  022640      03 FILLER  PIC X(120)       VALUE '1495 146  150  151  PSC1 '.                  DNM=135-12  BL=39 C90  3169  DS 120C
03999  022650      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=135-14  BL=39 D08  3289  DS 75C
04000  022660      03 FILLER  PIC 9(10) COMP-3 VALUE  0528400000.                                   DNM=135-15  BL=39 D53  3364  DS 6P
04001  022670      03 FILLER  PIC X(120)       VALUE 'S88  S89                 '.                   DNM=135-16  BL=39 D59  3370  DS 120C
04002  022680      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=135-18  BL=39 DD1  3490  DS 75C
04003  022690      03 FILLER  PIC 9(10) COMP-3 VALUE  0533000000.                                   DNM=135-19  BL=39 E1C  3565  DS 6P
04004  022700      03 FILLER  PIC X(120)       VALUE 'S83  J811 JB12 JB13 JB14 J                    DNM=135-21  BL=39 E22  3571  DS 120C
04005  022710-        'B15 '.
04006  022720      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=135-22  BL=39 E9A  3691  DS 75C
04007  022730      03 FILLER  PIC 9(10) COMP-3 VALUE  0533040000.                                   DNM=135-23  BL=39 EE5  3766  DS 6P
04008  022740      03 FILLER  PIC X(120)       VALUE 'JB13                    '.                    DNM=135-25  BL=39 EE8  3772  DS 120C
04009  022750      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=135-26  BL=39 F63  3892  DS 75C
04010  022760      03 FILLER  PIC 9(10) COMP-3 VALUE  0534000000.                                   DNM=135-28  BL=39 FAE  3967  DS 6P
04011  022770      03 FILLER  PIC X(120)       VALUE 'CN13 S70  S78            '.                   DNM=135-29  BL=39 FB4  3973  DS 120C
04012  022780      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=135-30  BL=40 02C  4093  DS 75C
04013  022790      03 FILLER  PIC 9(10) COMP-3 VALUE  0534040000.                                   DNM=135-32  BL=40 077  4168  DS 6P
04014  022800      03 FILLER  PIC X(120)       VALUE 'JB13                    '.                    DNM=135-33  BL=40 070  4174  DS 120C
04015  022810      03 FILLER  PIC X(75)        VALUE SPACES.                                        DNM=135-35  BL=40 0F5  4294  DS 75C
04016  022820      03 FILLER  PIC 9(10) COMP-3 VALUE  0534100000.                                   DNM=135-36  BL=40 140  4369  DS 6P
04017  022830      03 FILLER  PIC X(120)       VALUE 'A02  A03  A04  A05  A06  A                    DNM=135-37  BL=40 146  4375  DS 120C
04018  022840-        '07  A08  A09  B01  B02  B03  B04  B05  B06  B07  B08  B09
04019  022850-        '  A01C A02C A03C A04C B01C B02C B03C '.
04020  022860      03 FILLER  PIC X(75)        VALUE 'A06S C01C C02C C03C C04C C                    DNM=135-39  BL=40 18E  4495  DS 75C
```

```
 82      NM130          10.43.12        APR  3,1984                                  INT NAME    BASE  DISP RL01  DEFINITION

04021  022870-        '05C C06C C07C C08C D09C A01S A02S A03S A04S A05S '.
04022  022980     03 FILLER  PIC 9(10) COMP-3 VALUE  0534100100.                     DNM=135-40  BL=40 209  4570  DS 6P
04023  022890     03 FILLER  PIC X(120)       VALUE 'D04C D05C D06C D07C D08C '.   DNM=135-42  BL=40 20F  4576  DS 120C
04024  022900     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=135-43  BL=40 287  4696  DS 75C
04025  022910     03 FILLER  PIC 9(10) COMP-3 VALUE  0534100200.                   DNM=135-44  BL=40 2D2  4771  DS 6P
04026  022920     03 FILLER  PIC X(120)       VALUE 'D13C '.                       DNM=135-46  BL=40 208  4777  DS 120C
04027  022930     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=135-47  BL=40 350  4897  DS 75C
04028  022940     03 FILLER  PIC 9(10) COMP-3 VALUE  0535000100.                   DNM=135-49  BL=40 398  4972  DS 6P
04029  022950     03 FILLER  PIC X(120)       VALUE 'M8   M9   M10  M11      '.   DNM=136-00  BL=40 3A1  4978  DS 120C
04030  022960     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-01  BL=40 419  5098  DS 75C
04031  022970     03 FILLER  PIC 9(10) COMP-3 VALUE  0535000200.                   DNM=136-02  BL=40 464  5173  DS 6P
04032  022980     03 FILLER  PIC X(120)       VALUE '421  422S 434  437S NR1S N    DNM=136-04  BL=40 46A  5179  DS 120C
04033  022990-       'R3S NR4  NR12SNR13SM12  M13  M14  M15  M16  '.
04034  023000     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-05  BL=40 4E2  5299  DS 75C
04035  023010     03 FILLER  PIC 9(10) COMP-3 VALUE  0535000300.                   DNM=136-07  BL=40 52D  5374  DS 6P
04036  023020     03 FILLER  PIC X(120)       VALUE '403  404  406  407  408  4   DNM=136-08  BL=40 533  5380  DS 120C
04037  023030-       '09  410S 411  413  414  415  416  N1   N2   NNR01NNR02NNR
04038  023040-       '03NNR04NNR05NNR06NNR07NNR08NNR09NNR10'.
04039  023050     03 FILLER  PIC X(75)        VALUE 'NNR11NNR12NNR13NNR14NNR15N    DNM=136-09  BL=40 5A8  5500  DS 75C
04040  023060-       'NR16NNR17NNR18NNR19NNR20NNR21NNR22NNR23NNR24NNR25'.
04041  023070     03 FILLER  PIC 9(10) COMP-3 VALUE  0535020000.                   DNM=136-11  BL=40 5F6  5575  DS 6P
04042  023080     03 FILLER  PIC X(120)       VALUE 'S68  S69                  '.   DNM=136-12  BL=40 5FC  5581  DS 120C
04043  023090     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-14  BL=40 674  5701  DS 75C
04044  023100     03 FILLER  PIC 9(10) COMP-3 VALUE  0535030000.                   DNM=136-15  BL=40 68F  5776  DS 6P
04045  023110     03 FILLER  PIC X(120)       VALUE 'BC5  BC13 BC15 BC16 BG11 S    DNM=136-16  BL=40 6C5  5782  DS 120C
04046  023120-       '61  S62  S63  S66      '.
04047  023130     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-18  BL=40 73D  5902  DS 75C
04048  023140     03 FILLER  PIC 9(10) COMP-3 VALUE  0535031100.                   DNM=136-19  BL=40 788  5977  DS 6P
04049  023150     03 FILLER  PIC X(120)       VALUE 'S67      '.                   DNM=136-21  BL=40 78E  5983  DS 120C
04050  023160     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-22  BL=40 806  6103  DS 75C
04051  023170     03 FILLER  PIC 9(10) COMP-3 VALUE  0535050000.                   DNM=136-23  BL=40 851  6178  DS 6P
04052  023180     03 FILLER  PIC X(120)       VALUE 'A2   A3   A4   A5   A6   A   DNM=136-25  BL=40 857  6184  DS 120C
04053  023190-       '7   A8   B1   B2   B3   B4   B5   B6   B7   B8   C1   C2
04054  023200-       '   C3   C4   C5   C6   C7   C8      '.
04055  023210     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-26  BL=40 8CF  6304  DS 75C
04056  023220     03 FILLER  PIC 9(10) COMP-3 VALUE  0535050200.                   DNM=136-28  BL=40 91A  6379  DS 6P
04057  023230     03 FILLER  PIC X(120)       VALUE 'D3   D4   D5   D6   D7   D   DNM=136-29  BL=40 920  6385  DS 120C
04058  023240-       '8      '.
04059  023250     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-30  BL=40 998  6505  DS 75C
04060  023260     03 FILLER  PIC 9(10) COMP-3 VALUE  0535060000.                   DNM=136-32  BL=40 9E3  6580  DS 6P
04061  023270     03 FILLER  PIC X(120)       VALUE 'S59      '.                   DNM=136-33  BL=40 9E9  6586  DS 120C
04062  023280     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-35  BL=40 A61  6706  DS 75C
04063  023290     03 FILLER  PIC 9(10) COMP-3 VALUE  0535080000.                   DNM=136-36  BL=40 AAC  6781  DS 6P
04064  023300     03 FILLER  PIC X(120)       VALUE 'S53  S54  S56  S57  S55  '.   DNM=136-37  BL=40 AB2  6787  DS 120C
04065  023310     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-39  BL=40 B2A  6907  DS 75C
04066  023320     03 FILLER  PIC 9(10) COMP-3 VALUE  0535100000.                   DNM=136-40  BL=40 B75  6982  DS 6P
04067  023330     03 FILLER  PIC X(120)       VALUE 'NR7  L1   L2   NBD1 430     DNM=136-42  BL=40 B7B  6988  DS 120C
04068  023340-       '                '.
04069  023350     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-43  BL=40 BF3  7108  DS 75C
04070  023360     03 FILLER  PIC 9(10) COMP-3 VALUE  0535110000.                   DNM=136-44  BL=40 C3E  7183  DS 6P
04071  023370     03 FILLER  PIC X(120)       VALUE 'NR5  L3   NGS1 NGS2 NGS3    DNM=136-46  BL=40 C44  7189  DS 120C
04072  023380-       '                '.
04073  023390     03 FILLER  PIC X(75)        VALUE SPACES.                        DNM=136-47  BL=40 C8C  7309  DS 75C
04074  023400     03 FILLER  PIC 9(10) COMP-3 VALUE  0535120000.                   DNM=136-49  BL=40 D07  7384  DS 6P
```

```
                                                                                                                    INT NAME    BASE  DISP RLO1  DEFINITION
04075  023410      03 FILLER  PIC X(120)        VALUE 'NUB1 NUB2 NUB3                    '.                        DNM=137-00  BL=40 00D  7390  DS 120C
04076  023420      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-01  BL=40 085  7510  DS 75C
04077  023430      03 FILLER  PIC 9(10) COMP-3  VALUE  0535150000.                                                 DNM=137-02  BL=40 000  7585  DS 6P
04078  023440      03 FILLER  PIC X(120)        VALUE 'K3   NR9S                         '.                        DNM=137-04  BL=40 0D6  7591  DS 120C
04079  023450      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-05  BL=40 E4E  7711  DS 75C
04080  023460      03 FILLER  PIC 9(10) COMP-3  VALUE  0535160000.                                                 DNM=137-07  BL=40 E99  7786  DS 6P
04081  023470      03 FILLER  PIC X(120)        VALUE 'K1   K2   NHC1                    '.                        DNM=137-08  BL=40 E9F  7792  DS 120C
04082  023480      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-09  BL=40 F17  7912  DS 75C
04083  023490      03 FILLER  PIC 9(10) COMP-3  VALUE  0535200000.                                                 DNM=137-11  BL=40 F62  7987  DS 6P
04084  023500      03 FILLER  PIC X(120)        VALUE 'S23  S25                          '.                        DNM=137-12  BL=40 F68  7993  DS 120C
04085  023510      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-14  BL=40 FE0  8113  DS 75C
04086  023520      03 FILLER  PIC 9(10) COMP-3  VALUE  0535240000.                                                 DNM=137-15  BL=41 028  0004  DS 6P
04087  023530      03 FILLER  PIC X(120)        VALUE 'S40                               '.                        DNM=137-16  BL=41 031  0002  DS 120C
04088  023540      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-18  BL=41 0A9  0122  DS 75C
04089  023550      03 FILLER  PIC 9(10) COMP-3  VALUE  0535250000.                                                 DNM=137-19  BL=41 0F4  0197  DS 6P
04090  023560      03 FILLER  PIC X(120)        VALUE 'NSW3 NSW4 NSW5                    '.                        DNM=137-21  BL=41 0FA  0203  DS 120C
04091  023570      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-22  BL=41 172  0323  DS 75C
04092  023580      03 FILLER  PIC 9(10) COMP-3  VALUE  0535290000.                                                 DNM=137-23  BL=41 18D  0398  DS 6P
04093  023590      03 FILLER  PIC X(120)        VALUE 'NBA4                              '.                        DNM=137-25  BL=41 1C3  0404  DS 120C
04094  023600      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-26  BL=41 238  0524  DS 75C
04095  023610      03 FILLER  PIC 9(10) COMP-3  VALUE  0535300000.                                                 DNM=137-28  BL=41 286  0599  DS 6P
04096  023620      03 FILLER  PIC X(120)        VALUE 'S03  S04  S05  S06  TTR7 T        '.                        DNM=137-29  BL=41 28C  0605  DS 120C
04097  023630-       'TR8 S10  S12  N3   N4   S11  TTR1 TTR2 TTR3 TTR4 TTR5 TTR
04098  023640-       '6                    '.
04099  023650      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-30  BL=41 304  0725  DS 75C
04100  023660      03 FILLER  PIC 9(10) COMP-3  VALUE  0535300100.                                                 DNM=137-32  BL=41 34F  0800  DS 6P
04101  023670      03 FILLER  PIC X(120)        VALUE 'TBR2 TBR3 TBR4 '     '.                                 DNM=137-33  BL=41 355  0806  DS 120C
04102  023680      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-35  BL=41 3CD  0926  DS 75C
04103  023690      03 FILLER  PIC 9(10) COMP-3  VALUE  0535400000.                                                 DNM=137-36  BL=41 418  1001  DS 6P
04104  023700      03 FILLER  PIC X(120)        VALUE 'NCN04NCN05NCN06NCN07'.                                      DNM=137-37  BL=41 41E  1007  DS 120C
04105  023710      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-39  BL=41 496  1127  DS 75C
04106  023720      03 FILLER  PIC 9(10) COMP-3  VALUE  0535540000.                                                 DNM=137-40  BL=41 4E1  1202  DS 6P
04107  023730      03 FILLER  PIC X(120)        VALUE 'NLI4                              '.                        DNM=137-42  BL=41 4E7  1208  DS 120C
04108  023740      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-43  BL=41 55F  1328  DS 75C
04109  023750      03 FILLER  PIC 9(10) COMP-3  VALUE  0535600000.                                                 DNM=137-44  BL=41 5AA  1403  DS 6P
04110  023760      03 FILLER  PIC X(120)        VALUE 'NMI4                              '.                        DNM=137-46  BL=41 580  1409  DS 120C
04111  023770      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=137-47  BL=41 628  1529  DS 75C
04112  023780      03 FILLER  PIC 9(10) COMP-3  VALUE  0537000000.                                                 DNM=137-49  BL=41 673  1604  DS 6P
04113  023790      03 FILLER  PIC X(120)        VALUE 'M19  J31  S41                     '.                        DNM=138-00  BL=41 679  1610  DS 120C
04114  023800      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=138-01  BL=41 6F1  1730  DS 75C
04115  023810      03 FILLER  PIC 9(10) COMP-3  VALUE  0537030000.                                                 DNM=138-02  BL=41 73C  1805  DS 6P
04116  023820      03 FILLER  PIC X(120)        VALUE 'S31  S32  S35  S37  '.                                      DNM=138-04  BL=41 742  1811  DS 120C
04117  023830      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=138-05  BL=41 78A  1931  DS 75C
04118  023840      03 FILLER  PIC 9(10) COMP-3  VALUE  0537040000.                                                 DNM=138-07  BL=41 805  2006  DS 6P
04119  023850      03 FILLER  PIC X(120)        VALUE 'S34                               '.                        DNM=138-08  BL=41 808  2012  DS 120C
04120  023860      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=138-09  BL=41 883  2132  DS 75C
04121  023870      03 FILLER  PIC 9(10) COMP-3  VALUE  0601010000.                                                 DNM=138-11  BL=41 8CE  2207  DS 6P
04122  023880      03 FILLER  PIC X(120)        VALUE 'S51  S52                          '.                        DNM=138-12  BL=41 8D4  2213  DS 120C
04123  023890      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=138-14  BL=41 94C  2333  DS 75C
04124  023900      03 FILLER  PIC 9(10) COMP-3  VALUE  0601130000.                                                 DNM=138-15  BL=41 997  2408  DS 6P
04125  023910      03 FILLER  PIC X(120)        VALUE 'S12  S13                          '.                        DNM=138-16  BL=41 99D  2414  DS 120C
04126  023920      03 FILLER  PIC X(75)         VALUE SPACES.                                                      DNM=138-18  BL=41 A15  2534  DS 75C
04127  023930      03 FILLER  PIC 9(10) COMP-3  VALUE  0602000000.                                                 DNM=138-19  BL=41 A60  2609  DS 6P
04128  023940      03 FILLER  PIC X(120)        VALUE 'CB4  CB5  CB6  CB8  CB15 C        '.                        DNM=138-21  BL=41 A66  2615  DS 120C
```

```
84        NM100          10.43.12        APR  3,1984                                  INT NAME    BASE  DISP RLOI  DEFINITION

04129  023950-        'B16 CB21 CB23 CB27 CB28 CB28SS11  S14  S16  S18  17   20
04130  023960-            '  16   CB14 CB19      '.
04131  023970     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=138-22  BL=41 ADE   2735  DS 75C
04132  023980     03 FILLER  PIC 9(10) COMP-3 VALUE  1101020000.                     DNM=138-23  BL=41 B29   2810  DS 6P
04133  023990     03 FILLER  PIC X(120)       VALUE 'QC4  QC5  QC6  QC7  QC8  Q     DNM=138-25  BL=41 B2F   2816  DS 120C
04134  024000-        'C9  QC10      '.
04135  024010     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=138-26  BL=41 BA7   2936  DS 75C
04136  024020     03 FILLER  PIC 9(10) COMP-3 VALUE  1101030000.                     DNM=138-28  BL=41 BF2   3011  DS 6P
04137  024030     03 FILLER  PIC X(120)       VALUE 'BC4  BC5  BC6        '.       DNM=138-29  BL=41 BF8   3017  DS 120C
04138  024040     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=138-30  BL=41 C70   3137  DS 75C
04139  024050     03 FILLER  PIC 9(10) COMP-3 VALUE  1102000000.                     DNM=138-32  BL=41 C88   3212  DS 6P
04140  024060     03 FILLER  PIC X(120)      VALUE 'B04  B05  B06  B07        '.     DNM=138-33  BL=41 CC1   3218  DS 120C
04141  024070     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=138-35  BL=41 D39   3338  DS 75C
04142  024080     03 FILLER  PIC 9(10) COMP-3 VALUE  1102010000.                     DNM=138-36  BL=41 D84   3413  DS 6P
04143  024090     03 FILLER  PIC X(120)      VALUE 'HB4  HB5  HB6  2          '.     DNM=138-37  BL=41 D8A   3419  DS 120C
04144  024100     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=138-39  BL=41 E02   3539  DS 75C
04145  024110     03 FILLER  PIC 9(10) COMP-3 VALUE  1201010000.                     DNM=138-40  BL=41 E4D   3614  DS 6P
04146  024120     03 FILLER  PIC X(120)       VALUE 'NR38 NR39 NR40 NR41 NR42 N     DNM=138-42  BL=41 E53   3620  DS 120C
04147  024130-        'R43 NR44 NR45 NR46 NR47 1          '.
04148  024140     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=138-43  BL=41 ECB   3740  DS 75C
04149  024150     03 FILLER  PIC 9(10) COMP-3 VALUE  1201020100.                     DNM=138-44  BL=41 F16   3815  DS 6P
04150  024160     03 FILLER  PIC X(120)       VALUE 'NR33 NR34 NR60 NR76        '.   DNM=138-46  BL=41 F1C   3821  DS 120C
04151  024170     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=138-47  BL=41 F94   3941  DS 75C
04152  024180     03 FILLER  PIC 9(10) COMP-3 VALUE  1201020200.                     DNM=138-49  BL=41 FDF   4016  DS 6P
04153  024190     03 FILLER  PIC X(120)       VALUE 'NR26 NR27 NR61 NR62 NR63 N     DNM=139-00  BL=41 FE5   4022  DS 120C
04154  024200-        'R64        '.
04155  024210     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-01  BL=42 050   4142  DS 75C
04156  024220     03 FILLER  PIC 9(10) COMP-3 VALUE  1201020300.                     DNM=139-02  BL=42 0A8   4217  DS 6P
04157  024230     03 FILLER  PIC X(120)       VALUE 'NR66 NR67 NR68        '.     DNM=139-04  BL=42 0AE   4223  DS 120C
04158  024240     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-05  BL=42 126   4343  DS 75C
04159  024250     03 FILLER  PIC 9(10) COMP-3 VALUE  1201020400.                     DNM=139-07  BL=42 171   4418  DS 6P
04160  024260     03 FILLER  PIC X(120)       VALUE 'NR53                  '.       DNM=139-08  BL=42 177   4424  DS 120C
04161  024270     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-09  BL=42 1EF   4544  DS 75C
04162  024280     03 FILLER  PIC 9(10) COMP-3 VALUE  1201030100.                     DNM=139-11  BL=42 23A   4619  DS 6P
04163  024290     03 FILLER  PIC X(120)      VALUE 'NR69 NR70 NR71 NR72        '.     DNM=139-12  BL=42 240   4625  DS 120C
04164  024300     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-14  BL=42 2B8   4745  DS 75C
04165  024310     03 FILLER  PIC 9(10) COMP-3 VALUE  1201030300.                     DNM=139-15  BL=42 303   4820  DS 6P
04166  024320     03 FILLER  PIC X(120)       VALUE 'NR73 NR74 NR75        '.     DNM=139-16  BL=42 309   4826  DS 120C
04167  024330     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-18  BL=42 381   4946  DS 75C
04168  024340     03 FILLER  PIC 9(10) COMP-3 VALUE  1301060000.                     DNM=139-19  BL=42 3CC   5021  DS 6P
04169  024350     03 FILLER  PIC X(120)       VALUE 'SSI13                 '.       DNM=139-21  BL=42 3D2   5027  DS 120C
04170  024360     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-22  BL=42 44A   5147  DS 75C
04171  024370     03 FILLER  PIC 9(10) COMP-3 VALUE  1302030000.                     DNM=139-23  BL=42 495   5222  DS 6P
04172  024380     03 FILLER  PIC X(120)       VALUE 'SS010SS011SS05 SS09 '.         DNM=139-25  BL=42 498   5228  DS 120C
04173  024390     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-26  BL=42 513   5348  DS 75C
04174  024400     03 FILLER  PIC 9(10) COMP-3 VALUE  1303000000.                     DNM=139-28  BL=42 55E   5423  DS 6P
04175  024410     03 FILLER  PIC X(120)       VALUE 'IWW7 IWW8 IWW9 IWW10IWW11I     DNM=139-29  BL=42 564   5429  DS 120C
04176  024420-        'WW12IWW13      '.
04177  024430     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-30  BL=42 5DC   5549  DS 75C
04178  024440     03 FILLER  PIC 9(10) COMP-3 VALUE  1401000000.                     DNM=139-32  BL=42 627   5624  DS 6P
04179  024450     03 FILLER  PIC X(120)       VALUE 'TI4  TI5  TI6  TI7  TI8  T     DNM=139-33  BL=42 62D   5630  DS 120C
04180  024460-        'I9  TI10      '.
04181  024470     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-35  BL=42 6A5   5750  DS 75C
04182  024480     03 FILLER  PIC 9(10) COMP-3 VALUE  1401020000.                     DNM=139-36  BL=42 6F0   5825  DS 6P
```

```
BS       NM100          10.43.12        APR  3,1984                                  INT NAME   BASE  DISP RL01  DEFINITION

04183  024490     03 FILLER  PIC X(120) VALUE 'VC4  VC5  VC6  VC7  VC8          '.    DNM=139-37  BL=42 6F6  5831  DS 120C
04184  024500     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-39  BL=42 76E  5951  DS 75C
04185  024510     03 FILLER  PIC 9(10) COMP-3 VALUE  1401030000.                     DNM=139-40  BL=42 7B9  6026  DS 6P
04186  024520     03 FILLER  PIC X(120)       VALUE 'MR4                    '.      DNM=139-42  BL=42 7BF  6032  DS 120C
04187  024530     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-43  BL=42 837  6152  DS 75C
04188  024540     03 FILLER  PIC 9(10) COMP-3 VALUE  1401040000.                     DNM=139-44  BL=42 882  6227  DS 6P
04189  024550     03 FILLER  PIC X(120)       VALUE 'QTC4 QTC5 QTC6          '.      DNM=139-46  BL=42 888  6233  DS 120C
04190  024560     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=139-47  BL=42 900  6353  DS 75C
04191  024570     03 FILLER  PIC 9(10) COMP-3 VALUE  1402010000.                     DNM=139-49  BL=42 948  6428  DS 6P
04192  024580     03 FILLER  PIC X(120)       VALUE 'OC4  OC5  OC6  OC7    '.      DNM=140-00  BL=42 951  6434  DS 120C
04193  024590     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-01  BL=42 9C9  6554  DS 75C
04194  024600     03 FILLER  PIC 9(10) COMP-3 VALUE  1402020000.                     DNM=140-02  BL=42 A14  6629  DS 6P
04195  024610     03 FILLER  PIC X(120)       VALUE 'TS4  TS5  TS6  TS7  TS8  T     DNM=140-04  BL=42 A1A  6635  DS 120C
04196  024620-        'S9  TS10      '.
04197  024630     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-05  BL=42 A92  6755  DS 75C
04198  024640     03 FILLER  PIC 9(10) COMP-3 VALUE  1403000000.                     DNM=140-07  BL=42 ADD  6830  DS 6P
04199  024650     03 FILLER  PIC X(120)  VALUE 'IWW17IWW18IWW19IWW20      '.      DNM=140-08  BL=42 AE3  6836  DS 120C
04200  024660     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-09  BL=42 B58  6956  DS 75C
04201  024670     03 FILLER  PIC 9(10) COMP-3 VALUE  1501000000.                     DNM=140-11  BL=42 BA6  7031  DS 6P
04202  024680     03 FILLER  PIC X(120)       VALUE 'MS4  MS5  MS6          '.      DNM=140-12  BL=42 BAC  7037  DS 120C
04203  024690     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-14  BL=42 C24  7157  DS 75C
04204  024700     03 FILLER  PIC 9(10) COMP-3 VALUE  1501010000.                     DNM=140-15  BL=42 C6F  7232  DS 6P
04205  024710     03 FILLER  PIC X(120)       VALUE 'MC4                    '.      DNM=140-16  BL=42 C75  7238  DS 120C
04206  024720     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-18  BL=42 CED  7358  DS 75C
04207  024730     03 FILLER  PIC 9(10) COMP-3 VALUE  1501020000.                     DNM=140-19  BL=42 D38  7433  DS 6P
04208  024740     03 FILLER  PIC X(120)       VALUE 'FC4                    '.      DNM=140-21  BL=42 D3E  7439  DS 120C
04209  024750     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-22  BL=42 DB6  7559  DS 75C
04210  024760     03 FILLER  PIC 9(10) COMP-3 VALUE  1501030000.                     DNM=140-23  BL=42 E01  7634  DS 6P
04211  024770     03 FILLER  PIC X(120)       VALUE 'PC4  PC5  PC6  PC7  PC8  P     DNM=140-25  BL=42 E07  7640  DS 120C
04212  024780-        'C9  PC10      '.
04213  024790     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-26  BL=42 E7F  7760  DS 75C
04214  024900     03 FILLER  PIC 9(10) COMP-3 VALUE  1502010000.                     DNM=140-28  BL=42 ECA  7835  DS 6P
04215  024810     03 FILLER  PIC X(120)       VALUE 'RI4  RI5  RI6  RI7  RI8        DNM=140-29  BL=42 ED0  7841  DS 120C
04216  024820-        '                '.
04217  024830     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-30  BL=42 F48  7961  DS 75C
04218  024840     03 FILLER  PIC 9(10) COMP-3 VALUE  1502020000.                     DNM=140-32  BL=42 F93  8036  DS 6P
04219  024850     03 FILLER  PIC X(120)       VALUE 'FE4  FE5               '.      DNM=140-33  BL=42 F99  8042  DS 120C
04220  024860     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-35  BL=43 011  0030  DS 75C
04221  024870     03 FILLER  PIC 9(10) COMP-3 VALUE  1502030000.                     DNM=140-36  BL=43 05C  0045  DS 6P
04222  024880     03 FILLER  PIC X(120)       VALUE 'MA4                    '.      DNM=140-37  BL=43 062  0051  DS 120C
04223  024890     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-39  BL=43 0DA  0171  DS 75C
04224  024900     03 FILLER  PIC 9(10) COMP-3 VALUE  1503000000.                     DNM=140-40  BL=43 125  0246  DS 6P
04225  024910     03 FILLER  PIC X(120)       VALUE 'IWW24IWW25IWW26IWW27IWW28      DNM=140-42  BL=43 12B  0252  DS 120C
04226  024920-        '        '.
04227  024930     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-43  BL=43 1A3  0372  DS 75C
04228  024940     03 FILLER  PIC 9(10) COMP-3 VALUE  1601000000.                     DNM=140-44  BL=43 1EE  0447  DS 6P
04229  024950     03 FILLER  PIC X(120)       VALUE 'WI4  WI5  WI6          '.      DNM=140-46  BL=43 1F4  0453  DS 120C
04230  024960     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=140-47  BL=43 26C  0573  DS 75C
04231  024970     03 FILLER  PIC 9(10) COMP-3 VALUE  1601020000.                     DNM=140-49  BL=43 287  0648  DS 6P
04232  024980     03 FILLER  PIC X(120)       VALUE 'BR4  BR5               '.      DNM=141-00  BL=43 280  0654  DS 120C
04233  024990     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=141-01  BL=43 335  0774  DS 75C
04234  025000     03 FILLER  PIC 9(10) COMP-3 VALUE  1602010000.                     DNM=141-02  BL=43 380  0849  DS 6P
04235  025010     03 FILLER  PIC X(120)       VALUE 'WM4  WM5  WM6  WM7  WM8        DNM=141-04  BL=43 386  0855  DS 120C
04236  025020-        '        '.
```

```
 86        NM100          10.43.12        APR  3,1984                                                    INT NAME    BASE  DISP RL01  DEFINITION

04237   025030     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-05  BL=43 3FE  0975  DS 75C
04238   025040     03 FILLER  PIC 9(10) COMP-3 VALUE  1602020000.                                         DNM=141-07  BL=43 449  1050  DS 6P
04239   025050     03 FILLER  PIC X(120)         VALUE 'WB4  WB5  WB6  WB7  WB8  W                       DNM=141-08  BL=43 44F  1056  DS 120C
04240   025060         '09  WB10 '.
04241   025070     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-09  BL=43 4C7  1176  DS 75C
04242   025080     03 FILLER  PIC 9(10) COMP-3 VALUE  1603000000.                                         DNM=141-11  BL=43 512  1251  DS 6P
04243   025090     03 FILLER  PIC X(120)  VALUE 'IWW32IWW33IWW34IWW35                  '.                 DNM=141-12  BL=43 518  1257  DS 120C
04244   025100     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-14  BL=43 590  1377  DS 75C
04245   025110     03 FILLER  PIC 9(10) COMP-3 VALUE  1701000000.                                         DNM=141-15  BL=43 5DB  1452  DS 6P
04246   025120     03 FILLER  PIC X(120)         VALUE 'MC4  MC5                  '.                      DNM=141-16  BL=43 5E1  1458  DS 120C
04247   025130     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-18  BL=43 659  1578  DS 75C
04248   025140     03 FILLER  PIC 9(10) COMP-3 VALUE  1701010000.                                         DNM=141-19  BL=43 6A4  1653  DS 6P
04249   025150     03 FILLER  PIC X(120)         VALUE 'HE4  HE5                  '.                      DNM=141-21  BL=43 6AA  1659  DS 120C
04250   025160     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-22  BL=43 722  1779  DS 75C
04251   025170     03 FILLER  PIC 9(10) COMP-3 VALUE  1701020000.                                         DNM=141-23  BL=43 76D  1854  DS 6P
04252   025180     03 FILLER  PIC X(120)         VALUE 'WC4  WC5                  '.                      DNM=141-25  BL=43 773  1860  DS 120C
04253   025190     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-26  BL=43 7EB  1980  DS 75C
04254   025200     03 FILLER  PIC 9(10) COMP-3 VALUE  1702010000.                                         DNM=141-28  BL=43 836  2055  DS 6P
04255   025210     03 FILLER  PIC X(120)         VALUE 'MM4  MM5  MM6  MM7  MM8  M                       DNM=141-29  BL=43 83C  2061  DS 120C
04256   025220-        'M9       '.
04257   025230     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-30  BL=43 8B4  2181  DS 75C
04258   025240     03 FILLER  PIC 9(10) COMP-3 VALUE  1703000000.                                         DNM=141-32  BL=43 8FF  2256  DS 6P
04259   025250     03 FILLER  PIC X(120)         VALUE 'IWW39             '.                              DNM=141-33  BL=43 905  2262  DS 120C
04260   025260     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-35  BL=43 97D  2382  DS 75C
04261   025270     03 FILLER  PIC 9(10) COMP-3 VALUE  1801010000.                                         DNM=141-36  BL=43 9C8  2457  DS 6P
04262   025280     03 FILLER  PIC X(120)         VALUE 'MI4  MI5  MI6  MI7  MI8  M                       DNM=141-37  BL=43 9CE  2463  DS 120C
04263   025290-        'I9       '.
04264   025300     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-39  BL=43 A46  2583  DS 75C
04265   025310     03 FILLER  PIC 9(10) COMP-3 VALUE  1802010000.                                         DNM=141-40  BL=43 A91  2658  DS 6P
04266   025320     03 FILLER  PIC X(120)         VALUE 'MO4  MO5  MO6  MO7  MO8  M                       DNM=141-42  BL=43 A97  2664  DS 120C
04267   025330         '09       '.
04268   025340     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-43  BL=43 B0F  2784  DS 75C
04269   025350     03 FILLER  PIC 9(10) COMP-3 VALUE  1803000000.                                         DNM=141-44  BL=43 B5A  2859  DS 6P
04270   025360     03 FILLER  PIC X(120)         VALUE 'IWW43IWW44IWW45IWW46'.                            DNM=141-46  BL=43 B60  2865  DS 120C
04271   025370     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=141-47  BL=43 BD8  2985  DS 75C
04272   025380     03 FILLER  PIC 9(10) COMP-3 VALUE  1804000000.                                         DNM=141-49  BL=43 C23  3060  DS 6P
04273   025390     03 FILLER  PIC X(120)         VALUE 'CBV4                      '.                      DNM=142-00  BL=43 C29  3066  DS 120C
04274   025400     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=142-01  BL=43 CA1  3186  DS 75C
04275   025410     03 FILLER  PIC 9(10) COMP-3 VALUE  1901010200.                                         DNM=142-02  BL=43 CEC  3261  DS 6P
04276   025420     03 FILLER  PIC X(120)         VALUE 'CFR29CFR30                '.                      DNM=142-04  BL=43 CF2  3267  DS 120C
04277   025430     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=142-05  BL=43 D6A  3387  DS 75C
04278   025440     03 FILLER  PIC 9(10) COMP-3 VALUE  1901011100.                                         DNM=142-07  BL=43 DB5  3462  DS 6P
04279   025450     03 FILLER  PIC X(120)         VALUE 'CFR37                     '.                      DNM=142-08  BL=43 D8B  3468  DS 120C
04280   025460     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=142-09  BL=43 E33  3588  DS 75C
04281   025470     03 FILLER  PIC 9(10) COMP-3 VALUE  1901020400.                                         DNM=142-11  BL=43 E7E  3663  DS 6P
04282   025480     03 FILLER  PIC X(120)         VALUE '                          '.                      DNM=142-12  BL=43 E84  3669  DS 120C
04283   025490     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=142-14  BL=43 EFC  3789  DS 75C
04284   025500     03 FILLER  PIC 9(10) COMP-3 VALUE  1901020500.                                         DNM=142-15  BL=43 F47  3864  DS 6P
04285   025510     03 FILLER  PIC X(120)         VALUE 'CFR62                     '.                      DNM=142-16  BL=43 F4D  3870  DS 120C
04286   025520     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=142-18  BL=43 FC5  3990  DS 75C
04287   025530     03 FILLER  PIC 9(10) COMP-3 VALUE  1901030100.                                         DNM=142-19  BL=44 010  4065  DS 6P
04288   025540     03 FILLER  PIC X(120)         VALUE 'CFR12CFR63CFR64CFR65CFR66C                        DNM=142-21  BL=44 016  4071  DS 120C
04289   025550-        'FR67CFR68CFR69CFR70      '.
04290   025560     03 FILLER  PIC X(75)          VALUE SPACES.                                            DNM=142-22  BL=44 08E  4191  DS 75C
```

```
87        NM100          10.43.12        APR  3,1984                                  INT NAME    BASE  DISP RL01  DEFINITION

04291  025570     03 FILLER  PIC 9(10) COMP-3 VALUE  1901030200.                     DNM=142-23  BL=44 0D9  4266  DS 6P
04292  025580     03 FILLER  PIC X(120)       VALUE 'CFR72CFR73CFR74CFR75CFR76C      DNM=142-25  BL=44 00F  4272  DS 120C
04293  025590-       'FR77CFR78CFR79CFR80     '.
04294  025600     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=142-26  BL=44 157  4392  DS 75C
04295  025610     03 FILLER  PIC 9(10) COMP-3 VALUE  1901040000.                     DNM=142-28  BL=44 1A2  4467  DS 6P
04296  025620     03 FILLER  PIC X(120)       VALUE 'CFR9 CFR81CFR82CFR83CFR84C      DNM=142-29  BL=44 1A8  4473  DS 120C
04297  025630-       'FR85CFR86CFR87     '.
04298  025640     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=142-30  BL=44 220  4593  DS 75C
04299  025650     03 FILLER  PIC 9(10) COMP-3 VALUE  1902020000.                     DNM=142-32  BL=44 26B  4668  DS 6P
04300  025660     03 FILLER  PIC X(120)       VALUE 'CFR98CFR99     '.             DNM=142-33  BL=44 271  4674  DS 120C
04301  025670     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=142-35  BL=44 2E9  4794  DS 75C
04302  025680     03 FILLER  PIC 9(10) COMP-3 VALUE  1902030100.                     DNM=142-36  BL=44 334  4869  DS 6P
04303  025690     03 FILLER  PIC X(120)       VALUE                                  DNM=142-37  BL=44 33A  4875  DS 120C
04304  025700               'NE3  NE5  NE7  NE8  NE9  NE10 NE11 NE12 NE13 NE14
04305  025710-              'NE15 NE16 NE17 NE18 NE20
04306  025720-              '.
04307  025730     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=142-39  BL=44 3B2  4995  DS 75C
04308  025740     03 FILLER  PIC 9(10) COMP-3 VALUE  1902030200.                     DNM=142-40  BL=44 3FD  5070  DS 6P
04309  025750     03 FILLER  PIC X(120)       VALUE                                  DNM=142-42  BL=44 403  5076  DS 120C
04310  025760               'NE24 NE25 NE26 NE27 NE28 NE29 NE30
04311  025770-              '
04312  025780-              '.
04313  025790     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=142-43  BL=44 47B  5196  DS 75C
04314  025800     03 FILLER  PIC 9(10) COMP-3 VALUE  1902030300.                     DNM=142-44  BL=44 4C6  5271  DS 6P
04315  025810     03 FILLER  PIC X(120)       VALUE                                  DNM=142-46  BL=44 4CC  5277  DS 120C
04316  025820               'NE35 NE36 NE37 NE38 NE39
04317  025830-              '
04318  025840-              '.
04319  025850     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=142-47  BL=44 544  5397  DS 75C
04320  025860     03 FILLER  PIC 9(10) COMP-3 VALUE  2001000000.                     DNM=142-49  BL=44 58F  5472  DS 6P
04321  025870     03 FILLER  PIC X(120)       VALUE 'LFR4 LFR5 LFR6 LFR7 LFR8 L      DNM=143-00  BL=44 595  5478  DS 120C
04322  025880-       'FR9 LFR10LFR11LFR12LFR13LFR14LFR15LFR16LFR17LFR18LFR19LFR
04323  025890-       '20      '.
04324  025900     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=143-01  BL=44 60D  5598  DS 75C
04325  025910     03 FILLER  PIC 9(10) COMP-3 VALUE  2002000000.                     DNM=143-02  BL=44 658  5673  DS 6P
04326  025920     03 FILLER  PIC X(120)       VALUE 'DC4  DC5  DC6       '.         DNM=143-04  BL=44 65E  5679  DS 120C
04327  025930     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=143-05  BL=44 6D6  5799  DS 75C
04328  025940     03 FILLER  PIC 9(10) COMP-3 VALUE  2003000000.                     DNM=143-07  BL=44 721  5874  DS 6P
04329  025950     03 FILLER  PIC X(120)       VALUE 'IWW50IWW51IWW52     '.         DNM=143-08  BL=44 727  5880  DS 120C
04330  025960     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=143-09  BL=44 79F  6000  DS 75C
04331  025970     03 FILLER  PIC 9(10) COMP-3 VALUE  2101000000.                     DNM=143-11  BL=44 7EA  6075  DS 6P
04332  025980     03 FILLER  PIC X(120)       VALUE 'SR4  SR5  '.                    DNM=143-12  BL=44 7F0  6081  DS 120C
04333  025990     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=143-14  BL=44 868  6201  DS 75C
04334  026000     03 FILLER  PIC 9(10) COMP-3 VALUE  2101010000.                     DNM=143-15  BL=44 883  6276  DS 6P
04335  026010     03 FILLER  PIC X(120)       VALUE 'GC4          '.             DNM=143-16  BL=44 889  6282  DS 120C
04336  026020     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=143-18  BL=44 931  6402  DS 75C
04337  026030     03 FILLER  PIC 9(10) COMP-3 VALUE  2103000000.                     DNM=143-19  BL=44 97C  6477  DS 6P
04338  026040     03 FILLER  PIC X(120)       VALUE 'SC4  SC5       '.             DNM=143-21  BL=44 982  6483  DS 120C
04339  026050     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=143-22  BL=44 9FA  6603  DS 75C
04340  026060     03 FILLER  PIC 9(10) COMP-3 VALUE  2104000000.                     DNM=143-23  BL=44 A45  6678  DS 6P
04341  026070     03 FILLER  PIC X(120)       VALUE 'IWW56IWW57IWW58IWW59IWW60I      DNM=143-25  BL=44 A4B  6684  DS 120C
04342  026080-       'WW61    '.
04343  026090     03 FILLER  PIC X(75)        VALUE SPACES.                          DNM=143-26  BL=44 AC3  6804  DS 75C
04344  026100     03 FILLER  PIC 9(10) COMP-3 VALUE  2201000000.                     DNM=143-28  BL=44 B0E  6879  DS 6P
```

88 NM100 10.43.12 APR 3,1984

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION
04345   026110     03 FILLER  PIC X(120)        VALUE 'TU4  TU5  TU6        '.   DNM=143-29  BL=44 B14  6885  DS 120C
04346   026120     03 FILLER  PIC X(75)         VALUE SPACES.                    DNM=143-30  BL=44 B8C  7005  DS 75C
04347   026130     03 FILLER  PIC 9(10) COMP-3  VALUE  2201010000.               DNM=143-32  BL=44 BD7  7080  DS 6P
04348   026140     03 FILLER  PIC X(120)        VALUE 'EC4  EC5        '.        DNM=143-33  BL=44 BDD  7086  DS 120C
04349   026150     03 FILLER  PIC X(75)         VALUE SPACES.                    DNM=143-35  BL=44 C55  7206  DS 75C
04350   026160     03 FILLER  PIC 9(10) COMP-3  VALUE  2202060000.               DNM=143-36  BL=44 CA0  7281  DS 6P
04351   026170     03 FILLER  PIC X(120)        VALUE 'SB17        '.            DNM=143-37  BL=44 CA6  7287  DS 120C
04352   026180     03 FILLER  PIC X(75)         VALUE SPACES.                    DNM=143-39  BL=44 D1E  7407  DS 75C
04353   026190     03 FILLER  PIC 9(10) COMP-3  VALUE  2203010000.               DNM=143-40  BL=44 D69  7482  DS 6P
04354   026200     03 FILLER  PIC X(120)        VALUE 'CR4  CR5        '.        DNM=143-42  BL=44 D6F  7488  DS 120C
04355   026210     03 FILLER  PIC X(75)         VALUE SPACES.                    DNM=143-43  BL=44 DE7  7608  DS 75C
04356   026220     03 FILLER  PIC 9(10) COMP-3  VALUE  2205000000.               DNM=143-44  BL=44 E32  7683  DS 6P
04357   026230     03 FILLER  PIC X(120)        VALUE 'IWW65IWW66IWW67IWW68IWW69I DNM=143-46  BL=44 E38  7689  DS 120C
04358   026240-        'WW70IWW71      '.
04359   026250     03 FILLER  PIC X(75)         VALUE SPACES.                    DNM=143-47  BL=44 EB0  7809  DS 75C
04360   026260     03 FILLER  PIC 9(10) COMP-3  VALUE  9999999999.               DNM=143-49  BL=44 EFB  7884  DS 6P
04361   026270     03 FILLER  PIC X(120)        VALUE SPACES.                    DNM=144-00  BL=44 F01  7890  DS 120C
04362   026280     03 FILLER  PIC X(75)         VALUE SPACES.                    DNM=144-01  BL=44 F79  8010  DS 75C
04363   026290*
04364   026300* * * * * * * * * * * * * * * * * * * * * * * * * * * *
04365   026310*          TABLE NOW CONTAINS 239 ENTRIES    03/30/84  *
04366   026320*                          +-01-- ALL-9 ENTRIES        *
04367   026330* * * * * * * * * * * * * * * * * * * * * * * * * * * *
04368   026340 01  STATION-TABLE-2-R REDEFINES STATION-TABLE-2.                 DNM=144-02  BL=33 030  0001  DS 0CL48240
04369   026350     03 LOC-WITH-04-42-STATIONS OCCURS 240 TIMES                  DNM=144-07  BL=33 030  0001  DS 0CL201
04370   026360                                    ASCENDING KEY LOCATION-2
04371   026370                                       INDEXED BY LOC-2-IX.
04372   026380             05 LOCATION-2              PIC 9(10) COMP-3.          DNM=144-11  BL=33 030  0001  DS 6P
04373   026390             05 STATION-2 OCCURS 39 TIMES INDEXED BY STA-2-IX     DNM=144-16  BL=33 036  0007  DS 5C
04374   026400                                       PIC X(5).
```

```
04376  026420*-------------------------------------------------------------------*
04377  026430*
04378  026440 01  STATION-TABLE-3.                                                  DNM=144-18  BL=44 FC8  0001  DS 0CL7776
04379  026450     03 FILLER  PIC 9(10) COMP-3 VALUE  0200000000.                    DNM=144-21  BL=44 FC8  0001  DS 6P
04380  026460     03 FILLER  PIC X(120)       VALUE                                 DNM=144-23  BL=44 FCE  0007  DS 120C
04381  026470                '
04382  026480-               '
04383  026490-               '                  '.
04384  026500     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=144-24  BL=45 046  0127  DS 120C
04385  026510     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=144-26  BL=45 0BE  0247  DS 120C
04386  026520     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=144-27  BL=45 136  0367  DS 120C
04387  026530*
04388  026540     03 FILLER  PIC 9(10) COMP-3 VALUE  0202000000.                    DNM=144-28  BL=45 1AE  0487  DS 6P
04389  026550     03 FILLER  PIC X(120)       VALUE                                 DNM=144-30  BL=45 1B4  0493  DS 120C
04390  026560                'A17  A18  A19  A20  A22  A23  A24  B1A  B3A  B17
04391  026570-               'EP11 EP12 EP13 EP14 13   24   10   26   27
04392  026580-               '                  '.
04393  026590     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=144-31  BL=45 22C  0613  DS 120C
04394  026600     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=144-33  BL=45 2A4  0733  DS 120C
04395  026610     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=144-34  BL=45 31C  0853  DS 120C
04396  026620*
04397  026630     03 FILLER  PIC 9(10) COMP-3 VALUE  0205000000.                    DNM=144-35  BL=45 394  0973  DS 6P
04398  026640     03 FILLER  PIC X(120)       VALUE                                 DNM=144-37  BL=45 39A  0979  DS 120C
04399  026650                '36
04400  026660-               '
04401  026670-               '                  '.
04402  026680     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=144-38  BL=45 412  1099  DS 120C
04403  026690     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=144-40  BL=45 48A  1219  DS 120C
04404  026700     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=144-41  BL=45 502  1339  DS 120C
04405  026710*
04406  026720     03 FILLER  PIC 9(10) COMP-3 VALUE  0534100000.                    DNM=144-42  BL=45 57A  1459  DS 6P
04407  026730     03 FILLER  PIC X(120)       VALUE                                 DNM=144-44  BL=45 580  1465  DS 120C
04408  026740                'A07S A08S A09S A10S A12S A13S A14S A15S A16S A17S
04409  026750-               'A18S A19S B01S B02S B03S B04S B05S B06S B07S B08S
04410  026760-               'B09S B10S B11S B12S '.
04411  026770     03 FILLER  PIC X(120)       VALUE                                 DNM=144-45  BL=45 5F8  1585  DS 120C
04412  026780-               'B13S B14S B15S B16S B17S B18S C01S C02S C03S C04S
04413  026790-               'C05S C06S C07S C08S C09S C10S C11S C12S C13S C14S
04414  026800-               'C15S C16S C17S C18S '.
04415  026810     03 FILLER  PIC X(120)       VALUE                                 DNM=144-47  BL=45 670  1705  DS 120C
04416  026820                'D01S D02S D03S D04S D05S D06S D07S D08S D09S D10S
04417  026830-               'D11S D12S D13S D14S D15S D16S D17S D18S D19S D20S
04418  026840-               'D21S A11S C01  C02  '.
04419  026850     03 FILLER  PIC X(120)       VALUE                                 DNM=144-48  BL=45 6E8  1825  DS 120C
04420  026860                'C03  C04  C05  C06  C07  C08  C09  D01  D02  D03
04421  026870-               'D04  D05  D06  D07  D08  D09  NBR1
04422  026880-               '                  '.
04423  026890*
04424  026900     03 FILLER  PIC 9(10) COMP-3 VALUE  0535000300.                    DNM=145-00  BL=45 760  1945  DS 6P
04425  026910     03 FILLER  PIC X(120)       VALUE                                 DNM=145-01  BL=45 766  1951  DS 120C
04426  026920                'NNR26
04427  026930-               '
04428  026940-               '                  '.
04429  026950     03 FILLER  PIC X(120)       VALUE SPACES.                         DNM=145-02  BL=45 7DE  2071  DS 120C
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION
04430  026960    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-04  BL=45 856  2191  DS 120C
04431  026970    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-05  BL=45 8CE  2311  DS 120C
04432  026980*
04433  026990    03 FILLER  PIC 9(10) COMP-3  VALUE  9999999999.                 DNM=145-07  BL=45 946  2431  DS 6P
04434  027000    03 FILLER  PIC X(120)        VALUE                              DNM=145-08  BL=45 94C  2437  DS 120C
04435  027010              '
04436  027020-             '
04437  027030-             '                      '.
04438  027040    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-09  BL=45 9C4  2557  DS 120C
04439  027050    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-11  BL=45 A3C  2677  DS 120C
04440  027060    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-12  BL=45 A84  2797  DS 120C
04441  027070*
04442  027080    03 FILLER  PIC 9(10) COMP-3  VALUE  9999999999.                 DNM=145-14  BL=45 B2C  2917  DS 6P
04443  027090    03 FILLER  PIC X(120)        VALUE                              DNM=145-15  BL=45 B32  2923  DS 120C
04444  027100              '
04445  027110-             '
04446  027120-             '                      '.
04447  027130    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-16  BL=45 BAA  3043  DS 120C
04448  027140    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-18  BL=45 C22  3163  DS 120C
04449  027150    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-19  BL=45 C9A  3283  DS 120C
04450  027160*
04451  027170    03 FILLER  PIC 9(10) COMP-3  VALUE  9999999999.                 DNM=145-21  BL=45 D12  3403  DS 6P
04452  027180    03 FILLER  PIC X(120)        VALUE                              DNM=145-22  BL=45 D18  3409  DS 120C
04453  027190              '
04454  027200-             '
04455  027210-             '                      '.
04456  027220    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-23  BL=45 D90  3529  DS 120C
04457  027230    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-25  BL=45 E08  3649  DS 120C
04458  027240    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-26  BL=45 E80  3769  DS 120C
04459  027250*
04460  027260    03 FILLER  PIC 9(10) COMP-3  VALUE  9999999999.                 DNM=145-28  BL=45 EF8  3889  DS 6P
04461  027270    03 FILLER  PIC X(120)        VALUE                              DNM=145-29  BL=45 EFE  3895  DS 120C
04462  027280              '
04463  027290-             '
04464  027300-             '                      '.
04465  027310    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-30  BL=45 F76  4015  DS 120C
04466  027320    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-32  BL=45 FEE  4135  DS 120C
04467  027330    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-33  BL=46 066  3937  DS 120C
04468  027340*
04469  027350    03 FILLER  PIC 9(10) COMP-3  VALUE  9999999999.                 DNM=145-35  BL=46 0DE  3817  DS 6P
04470  027360    03 FILLER  PIC X(120)        VALUE                              DNM=145-36  BL=46 0E4  3811  DS 120C
04471  027370              '
04472  027380-             '
04473  027390-             '                      '.
04474  027400    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-37  BL=46 15C  3691  DS 120C
04475  027410    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-39  BL=46 1D4  3571  DS 120C
04476  027420    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-40  BL=46 24C  3451  DS 120C
04477  027430*
04478  027440    03 FILLER  PIC 9(10) COMP-3  VALUE  9999999999.                 DNM=145-42  BL=46 2C4  3331  DS 6P
04479  027450    03 FILLER  PIC X(120)        VALUE                              DNM=145-43  BL=46 2CA  3325  DS 120C
04480  027460              '
04481  027470-             '
04482  027480-             '                      '.
04483  027490    03 FILLER  PIC X(120)        VALUE SPACES.                      DNM=145-44  BL=46 342  3205  DS 120C
```

```
04484  027500      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=145-46  BL=46 3BA  3085  DS 120C
04485  027510      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=145-47  BL=46 432  2965  DS 120C
04486  027520*
04487  027530      03 FILLER  PIC 9(10) COMP-3 VALUE 9999999999.            DNM=145-49  BL=46 4AA  2845  DS 6P
04488  027540      03 FILLER  PIC X(120)       VALUE                        DNM=146-00  BL=46 4B0  2839  DS 120C
04489  027550                   .
04490  027560-                  .
04491  027570-                  .                '.
04492  027580      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-01  BL=46 528  2719  DS 120C
04493  027590      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-02  BL=46 5A0  2599  DS 120C
04494  027600      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-04  BL=46 618  2479  DS 120C
04495  027610*
04496  027620      03 FILLER  PIC 9(10) COMP-3 VALUE 9999999999.            DNM=146-05  BL=46 690  2359  DS 6P
04497  027630      03 FILLER  PIC X(120)       VALUE                        DNM=146-07  BL=46 696  2353  DS 120C
04498  027640                   .
04499  027650-                  .
04500  027660-                  .                '.
04501  027670      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-08  BL=46 70E  2233  DS 120C
04502  027680      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-09  BL=46 786  2113  DS 120C
04503  027690      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-11  BL=46 7FE  1993  DS 120C
04504  027700*
04505  027710      03 FILLER  PIC 9(10) COMP-3 VALUE 9999999999.            DNM=146-12  BL=46 876  1873  DS 6P
04506  027720      03 FILLER  PIC X(120)       VALUE                        DNM=146-14  BL=46 87C  1867  DS 120C
04507  027730                   .
04508  027740-                  .
04509  027750-                  .                '.
04510  027760      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-15  BL=46 8F4  1747  DS 120C
04511  027770      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-16  BL=46 96C  1627  DS 120C
04512  027780      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-18  BL=46 9E4  1507  DS 120C
04513  027790*
04514  027800      03 FILLER  PIC 9(10) COMP-3 VALUE 9999999999.            DNM=146-19  BL=46 A5C  1387  DS 6P
04515  027810      03 FILLER  PIC X(120)       VALUE                        DNM=146-21  BL=46 A62  1381  DS 120C
04516  027820                   .
04517  027830-                  .
04518  027840-                  .                '.
04519  027850      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-22  BL=46 ADA  1261  DS 120C
04520  027860      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-23  BL=46 B52  1141  DS 120C
04521  027870      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-25  BL=46 BCA  1021  DS 120C
04522  027880*
04523  027890      03 FILLER  PIC 9(10) COMP-3 VALUE 9999999999.            DNM=146-26  BL=46 C42  0901  DS 6P
04524  027900      03 FILLER  PIC X(120)       VALUE                        DNM=146-28  BL=46 C48  0895  DS 120C
04525  027910                   .
04526  027920-                  .
04527  027930-                  .                '.
04528  027940      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-29  BL=46 CC0  0775  DS 120C
04529  027950      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-30  BL=46 D38  0655  DS 120C
04530  027960      03 FILLER  PIC X(120)       VALUE SPACES.                DNM=146-32  BL=46 DB0  0535  DS 120C
04531  027970*
04532  027980*
04533  027990*
04534  028000* * * * * * * * * * * * * * * * * * * * * * * * * * *
04535  028010*       TABLE NOW CONTAINS 005 ENTRIES    03/25/83  *
04536  028020*                      + 011  ALL-9 ENTRIES          *
04537  028030* * * * * * * * * * * * * * * * * * * * * * * * * * *
```

```
                                                                                  INT NAME    BASE  DISP RL01  DEFINITION

04538   028040 01  STATION-TABLE-3-R REDEFINES STATION-TABLE-3.                  DNM=146-33  BL=44 FC8  0001  DS 0CL7776
04539   028050     03 LOC-WITH-43-138-STATIONS OCCURS 16 TIMES                   DNM=146-38  BL=44 FC8  0001  DS 0CL486
04540   028060                                  ASCENDING KEY LOCATION-3
04541   028070                                     INDEXED BY LOC-3-IX.
04542   028080            05 LOCATION-3             PIC 9(10) COMP-3.             DNM=146-42  BL=44 FC8  0001  DS 6P
04543   028090            05 STATION-3 OCCURS 96 TIMES INDEXED BY STA-3-IX        DNM=146-47  BL=44 FCE  0007  DS 5C
04544   028100                                     PIC X(5).
04545   028110*-----------------------------------------------------------*
```

```
04547 **009920 PROCEDURE DIVISION.                                    09680000
04548   009930 000-CONTROL-SECTION.                                   09690000
04549   009940     MOVE 'SORTMSG' TO SORT-MESSAGE.                    09700000  027970
04550   009950     SORT SORT-FILE ASCENDING KEY SORT-KEY              09710000  02797A
04551   009960                                  SORT-TYPE             09720000
04552   009970                                  SORT-ACTION           09730000
04553   009980         INPUT PROCEDURE 005-PRE-SORT-PROCESSING        09740000
04554   009990         OUTPUT PROCEDURE 024-POST-SORT-PROCESSING.     09750000
04555   010000     GOBACK.                                            09760000  027A32
04556   010010*                                                       09770000
04557   010020 001-CONTROL-SECTION-EXIT.                              09780000
04558   010030     EXIT.                                              09790000  027A60
04559   010040*                                                       09800000
04560   010050 005-PRE-SORT-PROCESSING SECTION.                       09810000
04561   010060     OPEN INPUT ENVIR-PRELOAD-FILE.                     09820000  027A60
04562   010070     OPEN OUTPUT ERROR-RPT.                             09830000  027A9A
04563   010080     MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW.           09840000  027AD4
04564   010090     MOVE CURRENT-DATE TO R2-RUN-DATE.                  09850000  027ADA
04565   010100     PERFORM 212-WRITE-RPT2-ERR-HEADING.                09860000  027AEA
04566   010110     SET EPL-IX TO 1.                                   09870000  027B0A
04567   010120     PERFORM 008-READ-N-LOAD-ENVIR-PRELOAD              09880000  027B10
04568   010130         UNTIL END-OF-ENVIR-PRELOAD.                    09890000
04569   010140     PERFORM 009-INIT-REST-ENVIR-PRELOAD                09900000  027B42
04570   010150         VARYING EPL-IX FROM EPL-IX BY 1                 09910000
04571   010160             UNTIL EPL-IX GREATER THAN NBR-OCCURS-ENVIR-PRELOAD.  09920000
04572   010170     CLOSE ENVIR-PRELOAD-FILE.                          09930000  027B90
04573   010180     OPEN INPUT TRANS-FILE.                             09940000  027C14
04574   010190     PERFORM 012-READ-TRANS UNTIL END-OF-TRANS.         09950000  027C4E
04575   010200*                                                       09960000
04576   010210 006-READ SECTION.                                      09970000
04577   010220*                                                       09980000
04578   010230 008-READ-N-LOAD-ENVIR-PRELOAD.                         09990000
04579   010240     READ ENVIR-PRELOAD-FILE INTO WK-ENVIR-PRELOAD-REC  10000000  027C78
04580   010250         AT END MOVE HIGH-VALUES TO WK-ENVIR-PRELOAD-KEY.  10010000  027CA8
04581   010260     IF END-OF-ENVIR-PRELOAD                            10020000  027CB2
04582   010270         NEXT SENTENCE                                  10030000
04583   010280     ELSE                                               10040000
04584   010290         IF WK-ENVIR-PRELOAD-KEY GREATER THAN SEARCH-PRELOAD-KEY  10050000  027CCC
04585   010300             MOVE WK-ENVIR-PRELOAD-KEY TO SEARCH-PRELOAD-KEY  10060000  027CD6
04586   010310             MOVE WK-ENVIR-PRELOAD-REC TO               10070000  027CDC
04587   010320                 TAB-ENVIR-PRELOAD-ENTRY (EPL-IX)       10080000
04588   010330             SET EPL-IX UP BY 1                         10090000  027CF2
04589   010340         ELSE                                           10100000
04590   010350             DISPLAY 'SEQUENCE ERROR OR DUPLICATE ENTRY '  10110000  027D04
04591   010360                     'IN PRELOAD FILE.  '               10120000
04592   010370                     'PREVIOUS ENTRY WAS ' SEARCH-PRELOAD-KEY  10130000
04593   010380                     '.  CURRENT ENTRY IS ' WK-ENVIR-PRELOAD-KEY  10140000
04594   010390             ADD 1 TO CAUSE-ABEND.                      10150000  027D4A
04595   010400*                                                       10160000
04596   010410 009-INIT-REST-ENVIR-PRELOAD.                           10170000
04597   010420     MOVE HIGH-VALUES TO TAB-ENVIR-PRELOAD-KEY (EPL-IX).  10180000  027D66
04598   010430*                                                       10190000
04599   010440 012-READ-TRANS.                                        10200000
04600   010450     READ TRANS-FILE INTO NM100REC                      10210000  027D86
```

```
04601  010460          AT END                                          10220000
04602  010470              MOVE HIGH-VALUES TO NM100REC.               10230000  027DB2
04603  010480      IF ENVIR-RECORD                                     10240000  027DBC
04604  010490          PERFORM 017-ENVIR-PRE-EDIT                      10250000  027DC8
04605  010500      ELSE                                                10260000
04606  010510          IF REPLIC-RECORD                                10270000  027DE8
04607  010520              PERFORM 019-REPLIC-PRE-EDIT                 10280000  027DF0
04608  010530          ELSE                                            10290000
04609  010540              IF SPECIES-RECORD                           10300000  027E10
04610  010550                  PERFORM 020-SPECIES-PRE-EDIT            10310000  027E18
04611  010560              ELSE                                        10320000
04612  010570                  IF INDIV-RECORD                         10330000  027E38
04613  010580                      PERFORM 021-INDIV-PRE-EDIT          10340000  027E40
04614  010590                  ELSE                                    10350000
04615  010600                      IF ANNULUS-RECORD                   10360000  027E60
04616  010610                          PERFORM 022-ANNULUS-PRE-EDIT    10370000  027E68
04617  010620                      ELSE                                10380000
04618  010630                          IF TAG-RECAPTURE-RECORD         10390000  027E8C
04619  010640                              PERFORM 023-RECAPT-PRE-EDIT. 10400000 027E94
04620  010650      IF NOT END-OF-TRANS                                 10410000  027EB0
04621  010660          IF SEQUENCE-NUMBER OF NM100REC NOT EQUAL SPACES 10420000  027EBC
04622  010670              PERFORM 013-PRE-EDIT-KEY                    10430000  027ECE
04623  010680              IF DUP-INDIV-RECORD6                        10440000  027EE6
04624  010690                  MOVE TR-DATA TO DUP-RECORD-DESC         10450000  027EF2
04625  010700                  MOVE LINE-NUMBER OF NM100REC TO         10460000  027EF8
04626  010710                      LINE-NUMBER-CNTR                    10470000
04627  010720                  MOVE '4' TO RECORD-TYPE OF NM100REC     10480000  027F02
04628  010730                  MOVE SPACES TO INDIV-DETAILS OF NM100REC 10490000 027F06
04629  010740                  PERFORM 014-RELEASE-DUP-INDIV-REC6      10500000  027F10
04630  010750                      VARYING WK-SUB FROM 1 BY 1          10510000
04631  010760                      UNTIL WK-SUB GREATER THAN 14        10520000
04632  010770                      OR DUP-INDIV-CNT6 (WK-SUB) = SPACES 10530000
04633  010780              ELSE                                        10540000
04634  010790                  IF DUP-INDIV-RECORD7                    10550000  027F84
04635  010800                      MOVE TR-DATA TO DUP-RECORD-DESC     10560000  027F8C
04636  010810                      MOVE LINE-NUMBER OF NM100REC TO     10570000  027F92
04637  010820                          LINE-NUMBER-CNTR                10580000
04638  010830                      MOVE '4' TO RECORD-TYPE OF NM100REC 10590000  027F9C
04639  010840                      MOVE SPACES TO INDIV-DETAILS OF NM100REC 10600000 027FA0
04640  010850                      PERFORM 015-RELEASE-DUP-INDIV-REC7  10610000  027FAA
04641  010860                          VARYING WK-SUB FROM 1 BY 1      10620000
04642  010870                          UNTIL WK-SUB GREATER THAN 11    10630000
04643  010880                          OR DUP-INDIV-CNT7 (WK-SUB) = SPACES 10640000
04644  010890              ELSE                                        10650000
04645  010900                  MOVE NM100REC TO SORT-REC               10660000  02801E
04646  010910                  RELEASE SORT-REC.                       10670000  028028
04647  010920*                                                        10680000
04648  010930 013-PRE-EDIT-KEY.                                       10690000
04649  010940      EXAMINE SEQUENCE-NUMBER OF NM100REC                 10700000  02803C
04650  010950          REPLACING ALL SPACES BY ZEROS.                  10710000
04651  010960      IF NOT ENVIR-RECORD                                 10720000  02805E
04652  010970          EXAMINE REPLICATE-NUMBER OF NM100REC            10730000  028066
04653  010980              REPLACING ALL SPACES BY ZEROS.              10740000
04654  010990*                                                        10750000
```

```
04655  011000 014-RELEASE-DUP-INDIV-REC6.                                10760000
04656  011010      MOVE LINE-NUMBER-CNTR TO LINE-NUMBER OF NM100REC.     10770000  02808E
04657  011020      MOVE DUP-INDIV-CNT6 (WK-SUB) TO INDIV-CNT OF NM100REC. 10780000  028094
04658  011030      MOVE DUP-INDIV-LTH6 (WK-SUB) TO INDIV-LTH OF NM100REC. 10790000  028084
04659  011040      PERFORM 021-INDIV-PRE-EDIT.                           10800000  0280D4
04660  011050* * * * * * * * * * * * * * * * * * * * * * * * * * * * *   10810000
04661  011060* THE DUP REC ASSIGNS THE FIRST LINE NUMBER                  10820000
04662  011070* ALL SUBSEQUENT LINE NUMBERS ARE INCREMENTED BY 1           10830000
04663  011080* * * * * * * * * * * * * * * * * * * * * * * * * * * * *   10840000
04664  011090      ADD 1 TO LINE-NUMBER-CNTR.                            10850000  0280EC
04665  011100      MOVE NM100REC TO SORT-REC.                            10860000  028102
04666  011110      RELEASE SORT-REC.                                     10870000  02810C
04667  011120*                                                           10880000
04668  011130 015-RELEASE-DUP-INDIV-REC7.                                10890000
04669  011140      MOVE LINE-NUMBER-CNTR TO LINE-NUMBER OF NM100REC.     10900000  028124
04670  011150      MOVE DUP-INDIV-CNT7 (WK-SUB) TO INDIV-CNT OF NM100REC. 10910000  02812A
04671  011160      MOVE DUP-INDIV-LTH7 (WK-SUB) TO INDIV-LTH OF NM100REC. 10920000  02814A
04672  011170      MOVE DUP-INDIV-SEX7 (WK-SUB) TO INDIV-SEX OF NM100REC. 10930000  02816A
04673  011180      MOVE DUP-INDIV-MAT7 (WK-SUB) TO INDIV-MATURE OF NM100REC. 10940000  02818A
04674  011190      PERFORM 021-INDIV-PRE-EDIT.                           10950000  0281AA
04675  011200* * * * * * * * * * * * * * * * * * * * * * * * * * * * *   10960000
04676  011210* THE DUP REC ASSIGNS THE FIRST LINE NUMBER                  10970000
04677  011220* ALL SUBSEQUENT LINE NUMBERS ARE INCREMENTED BY 1           10980000
04678  011230* * * * * * * * * * * * * * * * * * * * * * * * * * * * *   10990000
04679  011240      ADD 1 TO LINE-NUMBER-CNTR.                            11000000  0281C2
04680  011250      MOVE NM100REC TO SORT-REC.                            11010000  0281D8
04681  011260      RELEASE SORT-REC.                                     11020000  0281E2
04682  011270*                                                           11030000
04683  011280 017-ENVIR-PRE-EDIT.                                        11040000
04684  011290      MOVE PROGRAM-TYPE OF NM100REC TO SEARCH-ENVIR-PROGRAM-TYPE. 11050000  0281FA
04685  011300      MOVE ENVIR-STAT-NUMBER OF NM100REC TO SEARCH-ENVIR-STAT-NUM. 11060000  028200
04686  011310      MOVE ENVIR-START-LOC OF NM100REC TO SEARCH-ENVIR-START-LOC. 11070000  028206
04687  011320      SEARCH ALL TAB-ENVIR-PRELOAD-ENTRY                    11080000  02820C
04688  011330          WHEN TAB-ENVIR-PRELOAD-KEY (EPL-IX) = SEARCH-PRELOAD-KEY 11090000
04689  011340              PERFORM 018-PRELOAD-ENVIR-DATA.               11100000  02825A
04690  011350*         ADDED 4/83 PER EPPERLY BY LRL                      11110000
04691  011360      IF ENVIR-GEAR-TYPE OF NM100REC NOT NUMERIC             11120000  02827E
04692  011370          MOVE TURN-ON TO EDIT-ERROR-SW                      11130000  028286
04693  011380          MOVE ENVIR-GEAR-TYPE OF NM100REC TO INV-GEAR-CODE  11140000  028292
04694  011390          MOVE NON-NUMERIC-GEAR TO RPT2-ERR-MSG              11150000  028298
04695  011400          MOVE CORR TR-CONTROL TO MSTR-CONTROL               11160000  02829E
04696  011410          MOVE RECORD-TYPE OF NM100REC TO RECORD-TYPE OF NM110REC 11170000  0282C2
04697  011420          PERFORM 133-MOVE-DATA-BY-TYPE                      11180000  0282C8
04698  011430          PERFORM 179-BUILD-MASTER-ERROR                     11190000  0282E4
04699  011440          MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW            11200000  028304
04700  011450          MOVE SPACES TO NM110REC                            11210000  02830A
04701  011460          MOVE ZEROS TO ENVIR-GEAR-TYPE OF NM100REC.         11220000  028314
04702  011470*                                                           11230000
04703  011480 018-PRELOAD-ENVIR-DATA.                                     11240000
04704  011490      MOVE TAB-ENVIR-PRELOAD-ENTRY (EPL-IX) TO               11250000  028328
04705  011500                                          WK-ENVIR-PRELOAD-REC. 11260000
04706  011510      IF ENVIR-DURATION-OR-AREA OF NM100REC = SPACES         11270000  02833E
04707  011520          MOVE WK-E-DURATION TO ENVIR-DURATION-OR-AREA OF NM100REC. 11280000  028350
04708  011530      IF ENVIR-GEAR-TYPE OF NM100REC = SPACES                11290000  028356
```

```
04709  011540          MOVE WK-E-GEAR-TYPE TO ENVIR-GEAR-TYPE OF NM100REC.      11300000  028368
04710  011550      IF ENVIR-GEAR-PARM1 OF NM100REC = SPACES                     11310000  02836E
04711  011560          MOVE WK-E-GEAR-PARM1 TO ENVIR-GEAR-PARM1 OF NM100REC.    11320000  028380
04712  011570      IF ENVIR-GEAR-PARM2 OF NM100REC = SPACES                     11330000  028386
04713  011580          MOVE WK-E-GEAR-PARM2 TO ENVIR-GEAR-PARM2 OF NM100REC.    11340000  028398
04714  011590      IF ENVIR-GEAR-PARM3 OF NM100REC = SPACES                     11350000  02839E
04715  011600          MOVE WK-E-GEAR-PARM3 TO ENVIR-GEAR-PARM3 OF NM100REC.    11360000  0283B0
04716  011610      IF ENVIR-RIG OF NM100REC = SPACES                            11370000  0283B6
04717  011620          MOVE WK-E-RIG TO ENVIR-RIG OF NM100REC.                  11380000  0283BE
04718  011630      IF ENVIR-TYPE-OF-TOW OF NM100REC = SPACES                    11390000  0283C4
04719  011640          MOVE WK-E-TYPE-OF-TOW TO ENVIR-TYPE-OF-TOW OF NM100REC.  11400000  0283CC
04720  011650      IF ENVIR-BOTTOM-TYPE OF NM100REC = SPACES                    11410000  0283D2
04721  011660          MOVE WK-E-BOTTOM-TYPE TO ENVIR-BOTTOM-TYPE OF NM100REC.  11420000  0283E4
04722  011670      IF ENVIR-BOTTOM-PROFILE OF NM100REC = SPACES                 11430000  0283EA
04723  011680          MOVE WK-E-BOTTOM-PROF TO ENVIR-BOTTOM-PROFILE OF NM100REC.11440000  0283F2
04724  011690      IF ENVIR-DEPTH OF NM100REC = SPACES                          11450000  0283F8
04725  011700          MOVE WK-E-DEPTH TO ENVIR-DEPTH OF NM100REC.              11460000  02840A
04726  011710      IF ENVIR-STATE-ALTER OF NM100REC = SPACES                    11470000  028410
04727  011720          MOVE WK-E-STATE-ALTER TO ENVIR-STATE-ALTER OF NM100REC.  11480000  028418
04728  011730*                                                                 11490000
04729  011740 019-REPLIC-PRE-EDIT.                                             11500000
04730  011750*    EXPLICIT DECIMALS PERMITTED IN THESE TWO FIELDS SO EDIT      11510000
04731  011760*    CHANGED TO PERMIT THEM TO PASS HERE - LRL 1/26/83            11520000
04732  011770      EXAMINE RP-COLLECT-SIZE OF NM100REC REPLACING ALL SPACES     11530000  028424
04733  011780          BY ZEROS.                                                11540000
04734  011790      MOVE RP-COLLECT-SIZE OF NM100REC TO TEST-FIELD.              11550000  028446
04735  011800      EXAMINE TEST-FIELD REPLACING ALL '.' BY '0'.                 11560000  02844C
04736  011810      IF TEST-FIELD NOT NUMERIC                                    11570000  02846E
04737  011820          MOVE ZEROS TO RP-COLLECT-SIZE OF NM100REC.               11580000  02847C
04738  011830      EXAMINE RP-SAMPLE-SIZE OF NM100REC REPLACING ALL SPACES      11590000  028486
04739  011840          BY ZEROS.                                                11600000
04740  011850      MOVE RP-SAMPLE-SIZE OF NM100REC TO TEST-FIELD.               11610000  0284A8
04741  011860      EXAMINE TEST-FIELD REPLACING ALL '.' BY '0'.                 11620000  0284AE
04742  011870      IF TEST-FIELD NOT NUMERIC                                    11630000  0284D0
04743  011880          MOVE ZEROS TO RP-SAMPLE-SIZE OF NM100REC.                11640000  0284DE
04744  011890*                                                                 11650000
04745  011900 020-SPECIES-PRE-EDIT.                                            11660000
04746  011910      IF SPE-TOTAL-CNT OF NM100REC NOT NUMERIC                     11670000  0284EE
04747  011920        AND SPE-TOTAL-CNT OF NM100REC NOT EQUAL SPACES             11680000
04748  011930          EXAMINE SPE-TOTAL-CNT OF NM100REC                        11690000  02850E
04749  011940              REPLACING LEADING SPACES BY ZEROS.                   11700000
04750  011950      IF SPE-TOTAL-WGT OF NM100REC NOT NUMERIC                     11710000  028530
04751  011960        AND SPE-TOTAL-WGT OF NM100REC NOT EQUAL SPACES             11720000
04752  011970          EXAMINE SPE-TOTAL-WGT OF NM100REC                        11730000  028550
04753  011980              REPLACING LEADING SPACES BY ZEROS.                   11740000
04754  011990      IF SPE-SAMPLE-CNT OF NM100REC NOT NUMERIC                    11750000  028572
04755  012000        AND SPE-SAMPLE-CNT OF NM100REC NOT EQUAL SPACES            11760000
04756  012010          EXAMINE SPE-SAMPLE-CNT OF NM100REC                       11770000  028592
04757  012020              REPLACING LEADING SPACES BY ZEROS.                   11780000
04758  012030      IF SPE-SAMPLE-WGT OF NM100REC NOT NUMERIC                    11790000  0285B4
04759  012040        AND SPE-SAMPLE-WGT OF NM100REC NOT EQUAL SPACES            11800000
04760  012050          EXAMINE SPE-SAMPLE-WGT OF NM100REC                       11810000  0285D4
04761  012060              REPLACING LEADING SPACES BY ZEROS.                   11820000
04762  012070      IF SPE-SUBSAMPLE-CNT OF NM100REC NOT NUMERIC                 11830000  0285F6
```

```
04763  012080       AND SPE-SUBSAMPLE-CNT-OF-NM100REC-NOT-EQUAL SPACES          11840000
04764  012090           EXAMINE SPE-SUBSAMPLE-CNT OF NM100REC                   11850000  028616
04765  012100               REPLACING LEADING SPACES BY ZEROS.                  11860000
04766  012110     IF SPE-SUBSAMPLE-WGT OF NM100REC NOT NUMERIC                  11870000  028638
04767  012120       AND SPE-SUBSAMPLE-WGT OF NM100REC NOT EQUAL SPACES          11880000
04768  012130           EXAMINE SPE-SUBSAMPLE-WGT OF NM100REC                   11890000  028658
04769  012140               REPLACING LEADING SPACES BY ZEROS.                  11900000
04770  012150*          FOLLOWING TWO PREEDITS ADDED 4/83 LRL                   11910000
04771  012160     IF SPE-NBR-TAGGED1 OF NM100REC NOT NUMERIC                    11920000  02867A
04772  012170       AND SPE-NBR-TAGGED1 OF NM100REC NOT EQUAL SPACES            11930000
04773  012180           EXAMINE SPE-NBR-TAGGED1 OF NM100REC                     11940000  02869A
04774  012190               REPLACING LEADING SPACES BY ZEROS.                  11950000
04775  012200     IF SPE-NBR-TAGGED2 OF NM100REC NOT NUMERIC                    11960000  0286BC
04776  012210       AND SPE-NBR-TAGGED2 OF NM100REC NOT EQUAL SPACES            11970000
04777  012220           EXAMINE SPE-NBR-TAGGED2 OF NM100REC                     11980000  0286DC
04778  012230               REPLACING LEADING SPACES BY ZEROS.                  11990000
04779  012240*                                                                  12000000
04780  012250 021-INDIV-PRE-EDIT.                                               12010000
04781  012260     IF INDIV-CNT OF NM100REC NOT NUMERIC                          12020000  028704
04782  012270       AND INDIV-CNT OF NM100REC NOT EQUAL SPACES                  12030000
04783  012280           EXAMINE INDIV-CNT OF NM100REC                           12040000  028724
04784  012290               REPLACING ALL SPACES BY ZEROS.                      12050000
04785  012300     IF INDIV-LTH OF NM100REC NOT NUMERIC                          12060000  028746
04786  012310       AND INDIV-LTH OF NM100REC NOT EQUAL SPACES                  12070000
04787  012320           EXAMINE INDIV-LTH OF NM100REC                           12080000  028772
04788  012330               REPLACING LEADING SPACES BY ZEROS.                  12090000
04789  012340     IF INDIV-AGE OF NM100REC NOT NUMERIC                          12100000  028798
04790  012350       AND INDIV-AGE OF NM100REC NOT EQUAL SPACES                  12110000
04791  012360           EXAMINE INDIV-AGE OF NM100REC                           12120000  028788
04792  012370               REPLACING LEADING SPACES BY ZEROS.                  12130000
04793  012380     IF INDIV-SPAWN-MARK-CNT OF NM100REC NOT NUMERIC               12140000  0287DA
04794  012390       AND INDIV-SPAWN-MARK-CNT OF NM100REC NOT EQUAL SPACES       12150000
04795  012400           EXAMINE INDIV-SPAWN-MARK-CNT OF NM100REC                12160000  0287FA
04796  012410               REPLACING LEADING SPACES BY ZEROS.                  12170000
04797  012420*                                                                  12180000
04798  012430 022-ANNULUS-PRE-EDIT.                                             12190000
04799  012440     IF ANL-LTH-TO-EDGE OF NM100REC NOT NUMERIC                    12200000  028822
04800  012450       AND ANL-LTH-TO-EDGE OF NM100REC NOT EQUAL SPACES            12210000
04801  012460           EXAMINE ANL-LTH-TO-EDGE OF NM100REC                     12220000  028842
04802  012470               REPLACING LEADING SPACES BY ZEROS.                  12230000
04803  012480*  ADDED 3/83 BY LRL                                               12240000
04804  012490     IF ANL-LTH-TO-EDGE OF NM100REC EQUAL SPACES                   12250000  028864
04805  012500         MOVE ZEROS TO ANL-LTH-TO-EDGE OF NM100REC.                12260000  028876
04806  012510     IF ANL-AGE OF NM100REC EQUAL SPACES                           12270000  028880
04807  012520         MOVE ZEROS TO ANL-AGE OF NM100REC.                        12280000  028892
04808  012530*  ADDED 4/83 LRL                                                  12290000
04809  012540     IF ANL-MARGIN-INCR OF NM100REC NOT NUMERIC AND                12300000  02889C
04810  012550        ANL-MARGIN-INCR OF NM100REC NOT EQUAL SPACES               12310000
04811  012560           EXAMINE ANL-MARGIN-INCR OF NM100REC REPLACING           12320000  0288BC
04812  012570               LEADING SPACES BY ZEROS.                            12330000
04813  012580*                                                                  12340000
04814  012590     IF ANL-DISTANCE1 OF NM100REC NOT NUMERIC                      12350000  0288DE
04815  012600        AND ANL-DISTANCE1 OF NM100REC NOT EQUAL SPACES             12360000
04816  012610           EXAMINE ANL-DISTANCE1 OF NM100REC                       12370000  0288FE
```

```
04817  012620            REPLACING LEADING SPACES BY ZEROS.                12380000
04818  012630      IF ANL-DISTANCE2 OF NM100REC NOT NUMERIC                 12390000   028920
04819  012640        AND ANL-DISTANCE2 OF NM100REC NOT EQUAL SPACES          12400000
04820  012650            EXAMINE ANL-DISTANCE2 OF NM100REC                  12410000   028940
04821  012660                REPLACING LEADING SPACES BY ZEROS.             12420000
04822  012670      IF ANL-DISTANCE3 OF NM100REC NOT NUMERIC                 12430000   028962
04823  012680        AND ANL-DISTANCE3 OF NM100REC NOT EQUAL SPACES         12440000
04824  012690            EXAMINE ANL-DISTANCE3 OF NM100REC                  12450000   028982
04825  012700                REPLACING LEADING SPACES BY ZEROS.             12460000
04826  012710      IF ANL-DISTANCE4 OF NM100REC NOT NUMERIC                 12470000   0289A4
04827  012720        AND ANL-DISTANCE4 OF NM100REC NOT EQUAL SPACES         12480000
04828  012730            EXAMINE ANL-DISTANCE4 OF NM100REC                  12490000   0289C4
04829  012740            REPLACING LEADING SPACES BY ZEROS.                 12500000
04830  012750      IF ANL-DISTANCE5 OF NM100REC NOT NUMERIC                 12510000   0289E6
04831  012760        AND ANL-DISTANCE5 OF NM100REC NOT EQUAL SPACES         12520000
04832  012770            EXAMINE ANL-DISTANCE5 OF NM100REC                  12530000   028A06
04833  012780                REPLACING LEADING SPACES BY ZEROS.             12540000
04834  012790      IF ANL-DISTANCE6 OF NM100REC NOT NUMERIC                 12550000   028A28
04835  012800        AND ANL-DISTANCE6 OF NM100REC NOT EQUAL SPACES         12560000
04836  012810            EXAMINE ANL-DISTANCE6 OF NM100REC                  12570000   028A48
04837  012820                REPLACING LEADING SPACES BY ZEROS.             12580000
04838  012830      IF ANL-DISTANCE7 OF NM100REC NOT NUMERIC                 12590000   028A6A
04839  012840        AND ANL-DISTANCE7 OF NM100REC NOT EQUAL SPACES         12600000
04840  012850            EXAMINE ANL-DISTANCE7 OF NM100REC                  12610000   028A8A
04841  012860            REPLACING LEADING SPACES BY ZEROS.                 12620000
04842  012870      IF ANL-DISTANCE8 OF NM100REC NOT NUMERIC                 12630000   028AAC
04843  012880        AND ANL-DISTANCE8 OF NM100REC NOT EQUAL SPACES         12640000
04844  012890            EXAMINE ANL-DISTANCE8 OF NM100REC                  12650000   028ACC
04845  012900                REPLACING LEADING SPACES BY ZEROS.             12660000
04846  012910      IF ANL-DISTANCE9 OF NM100REC NOT NUMERIC                 12670000   028AEE
04847  012920        AND ANL-DISTANCE9 OF NM100REC NOT EQUAL SPACES         12680000
04848  012930            EXAMINE ANL-DISTANCE9 OF NM100REC                  12690000   028B0E
04849  012940                REPLACING LEADING SPACES BY ZEROS.             12700000
04850  012950      IF ANL-DISTANCE10 OF NM100REC NOT NUMERIC                12710000   028B30
04851  012960        AND ANL-DISTANCE10 OF NM100REC NOT EQUAL SPACES        12720000
04852  012970            EXAMINE ANL-DISTANCE10 OF NM100REC                 12730000   028B50
04853  012980            REPLACING LEADING SPACES BY ZEROS.                 12740000
04854  012990      IF ANL-DISTANCE11 OF NM100REC NOT NUMERIC                12750000   028B72
04855  013000        AND ANL-DISTANCE11 OF NM100REC NOT EQUAL SPACES        12760000
04856  013010            EXAMINE ANL-DISTANCE11 OF NM100REC                 12770000   028B92
04857  013020                REPLACING LEADING SPACES BY ZEROS.             12780000
04858  013030      IF ANL-DISTANCE12 OF NM100REC NOT NUMERIC                12790000   028BB4
04859  013040        AND ANL-DISTANCE12 OF NM100REC NOT EQUAL SPACES        12800000
04860  013050            EXAMINE ANL-DISTANCE12 OF NM100REC                 12810000   028BD4
04861  013060                REPLACING LEADING SPACES BY ZEROS.             12820000
04862  013070      IF ANL-DISTANCE13 OF NM100REC NOT NUMERIC                12830000   028BF6
04863  013080        AND ANL-DISTANCE13 OF NM100REC NOT EQUAL SPACES        12840000
04864  013090            EXAMINE ANL-DISTANCE13 OF NM100REC                 12850000   028C16
04865  013100            REPLACING LEADING SPACES BY ZEROS.                 12860000
04866  013110      IF ANL-DISTANCE14 OF NM100REC NOT NUMERIC                12870000   028C38
04867  013120        AND ANL-DISTANCE14 OF NM100REC NOT EQUAL SPACES        12880000
04868  013130            EXAMINE ANL-DISTANCE14 OF NM100REC                 12890000   028C58
04869  013140                REPLACING LEADING SPACES BY ZEROS.             12900000
04870  013150      IF ANL-DISTANCE15 OF NM100REC NOT NUMERIC                12910000   028C7A
```

```
04871  013160      AND ANL-DISTANCE15 OF NM100REC NOT EQUAL SPACES          12920000
04872  013170          EXAMINE ANL-DISTANCE15 OF NM100REC                   12930000   028C9A
04873  013180              REPLACING LEADING SPACES BY ZEROS.               12940000
04874  013190      IF ANL-DISTANCE16 OF NM100REC NOT NUMERIC                12950000   028C8C
04875  013200        AND ANL-DISTANCE16 OF NM100REC NOT EQUAL SPACES        12960000
04876  013210          EXAMINE ANL-DISTANCE16 OF NM100REC                   12970000   028CDC
04877  013220              REPLACING LEADING SPACES BY ZEROS.               12980000
04878  013230      IF ANL-DISTANCE17 OF NM100REC NOT NUMERIC                12990000   028CFE
04879  013240        AND ANL-DISTANCE17 OF NM100REC NOT EQUAL SPACES        13000000
04880  013250          EXAMINE ANL-DISTANCE17 OF NM100REC                   13010000   028D1E
04881  013260              REPLACING LEADING SPACES BY ZEROS.               13020000
04882  013270      IF ANL-DISTANCE18 OF NM100REC NOT NUMERIC                13030000   028D40
04883  013280        AND ANL-DISTANCE18 OF NM100REC NOT EQUAL SPACES        13040000
04884  013290          EXAMINE ANL-DISTANCE18 OF NM100REC                   13050000   028D60
04885  013300              REPLACING LEADING SPACES BY ZEROS.               13060000
04886  013310      IF ANL-DISTANCE19 OF NM100REC NOT NUMERIC                13070000   028D82
04887  013320        AND ANL-DISTANCE19 OF NM100REC NOT EQUAL SPACES        13080000
04888  013330          EXAMINE ANL-DISTANCE19 OF NM100REC                   13090000   028DA2
04889  013340              REPLACING LEADING SPACES BY ZEROS.               13100000
04890  013350      IF ANL-DISTANCE20 OF NM100REC NOT NUMERIC                13110000   028DC4
04891  013360        AND ANL-DISTANCE20 OF NM100REC NOT EQUAL SPACES        13120000
04892  013370          EXAMINE ANL-DISTANCE20 OF NM100REC                   13130000   028DE4
04893  013380              REPLACING LEADING SPACES BY ZEROS.               13140000
04894  013390      IF ANL-DISTANCE21 OF NM100REC NOT NUMERIC                13150000   028E06
04895  013400        AND ANL-DISTANCE21 OF NM100REC NOT EQUAL SPACES        13160000
04896  013410          EXAMINE ANL-DISTANCE21 OF NM100REC                   13170000   028E26
04897  013420              REPLACING LEADING SPACES BY ZEROS.               13180000
04898  013430      IF ANL-DISTANCE22 OF NM100REC NOT NUMERIC                13190000   028E48
04899  013440        AND ANL-DISTANCE22 OF NM100REC NOT EQUAL SPACES        13200000
04900  013450          EXAMINE ANL-DISTANCE22 OF NM100REC                   13210000   028E68
04901  013460              REPLACING LEADING SPACES BY ZEROS.               13220000
04902  013470      IF ANL-DISTANCE23 OF NM100REC NOT NUMERIC                13230000   028E8A
04903  013480        AND ANL-DISTANCE23 OF NM100REC NOT EQUAL SPACES        13240000
04904  013490          EXAMINE ANL-DISTANCE23 OF NM100REC                   13250000   028EAA
04905  013500              REPLACING LEADING SPACES BY ZEROS.               13260000
04906  013510      IF ANL-DISTANCE24 OF NM100REC NOT NUMERIC                13270000   028ECC
04907  013520        AND ANL-DISTANCE24 OF NM100REC NOT EQUAL SPACES        13280000
04908  013530          EXAMINE ANL-DISTANCE24 OF NM100REC                   13290000   028EEC
04909  013540              REPLACING LEADING SPACES BY ZEROS.               13300000
04910  013550      IF ANL-DISTANCE25 OF NM100REC NOT NUMERIC                13310000   028F0E
04911  013560        AND ANL-DISTANCE25 OF NM100REC NOT EQUAL SPACES        13320000
04912  013570          EXAMINE ANL-DISTANCE25 OF NM100REC                   13330000   028F2E
04913  013580              REPLACING LEADING SPACES BY ZEROS.               13340000
04914  013590      IF ANL-DISTANCE26 OF NM100REC NOT NUMERIC                13350000   028F50
04915  013600        AND ANL-DISTANCE26 OF NM100REC NOT EQUAL SPACES        13360000
04916  013610          EXAMINE ANL-DISTANCE26 OF NM100REC                   13370000   028F70
04917  013620              REPLACING LEADING SPACES BY ZEROS.               13380000
04918  013630      IF ANL-DISTANCE27 OF NM100REC NOT NUMERIC                13390000   028F92
04919  013640        AND ANL-DISTANCE27 OF NM100REC NOT EQUAL SPACES        13400000
04920  013650          EXAMINE ANL-DISTANCE27 OF NM100REC                   13410000   028FB2
04921  013660              REPLACING LEADING SPACES BY ZEROS.               13420000
04922  013670      IF ANL-DISTANCE28 OF NM100REC NOT NUMERIC                13430000   028FD4
04923  013680        AND ANL-DISTANCE28 OF NM100REC NOT EQUAL SPACES        13440000
04924  013690          EXAMINE ANL-DISTANCE28 OF NM100REC                   13450000   028FF4
```

```
04925  013700                REPLACING LEADING SPACES BY ZEROS.                13460000
04926  013710      IF ANL-DISTANCE29 OF NM100REC NOT NUMERIC                   13470000  029016
04927  013720        AND ANL-DISTANCE29 OF NM100REC NOT EQUAL SPACES           13480000
04928  013730            EXAMINE ANL-DISTANCE29 OF NM100REC                    13490000  029036
04929  013740                REPLACING LEADING SPACES BY ZEROS.                13500000
04930  013750      IF ANL-DISTANCE30 OF NM100REC NOT NUMERIC                   13510000  029058
04931  013760        AND ANL-DISTANCE30 OF NM100REC NOT EQUAL SPACES           13520000
04932  013770            EXAMINE ANL-DISTANCE30 OF NM100REC                    13530000  029078
04933  013780                REPLACING LEADING SPACES BY ZEROS.                13540000
04934  013790      IF NUM-OF-SPAWN-MARKS OF NM100REC NOT NUMERIC               13550000  02909A
04935  013800        AND NUM-OF-SPAWN-MARKS OF NM100REC NOT EQUAL SPACES       13560000
04936  013810            EXAMINE NUM-OF-SPAWN-MARKS OF NM100REC                13570000  02908A
04937  013820                REPLACING LEADING SPACES BY ZEROS.                13580000
04938  013830*                                                                13590000
04939  013840 023-RECAPT-PRE-EDIT.                                            13600000
04940  013850      IF DAYS-OUT OF NM100REC NOT NUMERIC AND DAYS-OUT OF NM100REC 13610000  0290E2
04941  013860                              NOT EQUAL SPACES                    13620000
04942  013870          EXAMINE DAYS-OUT OF NM100REC REPLACING LEADING SPACES   13630000  029102
04943  013880                              BY ZEROS.                           13640000
04944  013890*                                                                13650000
04945  013900 024-POST-SORT-PROCESSING SECTION.                                13660000
04946  013910      PERFORM 030-HOUSEKEEPING.                                   13670000  02912A
04947  013920      MOVE SPACES TO NM100REC.                                    13680000  029142
04948  013930      PERFORM 100-MAINLINE UNTIL END-OF-MASTER                    13690000  02914C
04949  013940          AND END-OF-TRANS.                                       13700000
04950  013950      PERFORM 060-END-OF-JOB.                                     13710000  02918A
04951  013960*                                                                13720000
04952  013970 025-POST-SORT-EXIT.                                             13730000
04953  013980      EXIT.                                                       13740000  0291AA
04954  013990*                                                                13750000
04955  014000 028-REPORT-PROCESSING-SECTION.                                   13760000
04956  014010*                                                                13770000
04957  014020 030-HOUSEKEEPING.                                               13780000
04958  014030      IF SORT-RETURN NOT EQUAL 0                                  13790000  0291B4
04959  014040          DISPLAY 'PROGRAM ABENDED BECAUSE OF SORT RETURN CODE'   13800000  0291C0
04960  014050          ADD 1 TO CAUSE-ABEND.                                   13810000  0291D4
04961  014060      OPEN INPUT OLD-MAST.                                        13820000  0291EA
04962  014070      OPEN OUTPUT NEW-MAST, UPDATE-RPT,                           13830000  029224
04963  014080          STRUC-ERR-RPT.                                          13840000
04964  014090      MOVE CURRENT-DATE TO R1-RUN-DATE,  R3-RUN-DATE.             13850000  0292AA
04965  014100      MOVE TURN-ON TO READ-TRAN-SW, READ-MSTR-SW.                 13860000  0292CA
04966  014110      MOVE TURN-OFF TO WRITE-RPT1-SW,                             13870000  0292D6
04967  014120          WRITE-NEWMSTR-SW, DUMMY-RD-SW.                          13880000
04968  014130      PERFORM 202-WRITE-RPT1-UPD-HEADING.                         13890000  0292E8
04969  014140*     PERFORM 212-WRITE-RPT2-ERR-HEADING.                         13900000
04970  014150      PERFORM 262-WRITE-RPT3-STRUC-HEADING.                       13910000  029304
04971  014160*     GET FILE OF COMMON & LATIN NAMES IN TABLE & THEN SORT THEM  13920000
04972  014170      PERFORM 040-READ-LATIN-TABLE.                               13930000  029324
04973  014180*                                                                13940000
04974  014190 040-READ-LATIN-TABLE.                                           13950000
04975  014200      OPEN INPUT LATIN-FILE.                                      13960000  02934A
04976  014210      MOVE 1 TO LATIN-SUBSCR.                                     13970000  029384
04977  014220      PERFORM 041-READ-TABLE UNTIL EOF-LATIN.                     13980000  02938A
04978  014230      COMPUTE LATIN-TOTAL = LATIN-SUBSCR - 1.                     13990000  0293AE
```

```
04979  014240      CLOSE LATIN-FILE.                                          14000000  02938A
04980  014250      PERFORM 042-SORT-LATIN-FILE.                               14010000  02943E
04981  014260      IF LATIN-TOTAL LESS 427                                    14020000  02945A
04982  014270          PERFORM 046-ADD-HIGH-VALUES VARYING LATIN-SUBSCR FROM  14030000  02946A
04983  014280              LATIN-SUBSCR BY 1 UNTIL LATIN-SUBSCR GREATER 427.  14040000
04984  014290*                                                               14050000
04985  014300 041-READ-TABLE.                                                14060000
04986  014310      READ LATIN-FILE INTO LATIN-NAME-TABLE (LATIN-SUBSCR)       14070000  029486
04987  014320          AT END                                                 14080000
04988  014330              SUBTRACT 1 FROM LATIN-SUBSCR                       14090000  029504
04989  014340              DISPLAY ' THERE WERE ' LATIN-SUBSCR ' ENTRIES '    14100000  029510
04990  014350                      'LOADED INTO THE SPECIES NAME TABLE '      14110000
04991  014360                      'FROM MFSPP- '                             14120000
04992  014370              MOVE TURN-ON TO EOF-LATIN-SW.                      14130000  02954C
04993  014380      EXAMINE SPECIES-NUMBER (LATIN-SUBSCR)                      14140000  029552
04994  014390                              REPLACING ALL '.' BY '0'.          14150000
04995  014400      IF SPECIES-NUMBER (LATIN-SUBSCR) NOT NUMERIC OR            14160000  029592
04996  014410         SPECIES-NUMBER (LATIN-SUBSCR) EQUAL ZEROS               14170000
04997  014420          SUBTRACT 1 FROM LATIN-SUBSCR.                          14180000  029586
04998  014430      ADD 1 TO LATIN-SUBSCR.                                     14190000  0295C2
04999  014440*     TABLE CAPACITY IS 427 - OUTPUT MSG AND AVOID ABEND         14200000
05000  014450      IF LATIN-SUBSCR EQUAL 427                                  14210000  0295CE
05001  014460          DISPLAY ' TABLE CAPACXITY FOR MFSPP REACHED AT 427 '   14220000  0295DA
05002  014470                  'RECORDS - NO FURTHER RECORDS WILL BE INPUT -'  14230000
05003  014480                  ' ERRORS MAY RESULT '                          14240000
05004  014490          MOVE TURN-ON TO EOF-LATIN-SW.                          14250000  029602
05005  014500*                                                               14260000
05006  014510 042-SORT-LATIN-FILE.                                           14270000
05007  014520      MOVE LATIN-TOTAL TO ARRANGE-LIMIT.                         14280000  02960E
05008  014530      PERFORM 043-ARRANGE-START THRU 045-ARRANGE-END.            14290000  029618
05009  014540*                                                               14300000
05010  014550 043-ARRANGE-START.                                             14310000
05011  014560      MOVE 0 TO ARRANGE-LAST, ARRANGE-SS1.                       14320000  02963A
05012  014570      MOVE 1 TO ARRANGE-SS2.                                     14330000  02964A
05013  014580*                                                               14340000
05014  014590 044-ARRANGE-LOOP.                                              14350000
05015  014600      ADD 1 TO ARRANGE-SS1.                                      14360000  029650
05016  014610      ADD 1 TO ARRANGE-SS2.                                      14370000  029660
05017  014620      IF ARRANGE-SS2 GREATER THAN ARRANGE-LIMIT                  14380000  02966C
05018  014630          GO TO 045-ARRANGE-END.                                 14390000  029678
05019  014640      IF SPECIES-NUMBER-R (ARRANGE-SS1) GREATER                  14400000  02967C
05020  014650                        SPECIES-NUMBER-R (ARRANGE-SS2)           14410000
05021  014660          MOVE ARRANGE-SS1 TO ARRANGE-LAST                       14420000  0296BA
05022  014670          MOVE LATIN-NAME-TABLE (ARRANGE-SS1) TO ARRANGE-HOLD-AREA 14430000  0296C0
05023  014680          MOVE LATIN-NAME-TABLE (ARRANGE-SS2) TO                 14440000  0296F2
05024  014690                                LATIN-NAME-TABLE (ARRANGE-SS1)   14450000
05025  014700          MOVE ARRANGE-HOLD-AREA TO                              14460000  029716
05026  014710                                LATIN-NAME-TABLE (ARRANGE-SS2).  14470000
05027  014720      GO TO 044-ARRANGE-LOOP.                                    14480000  02973E
05028  014730*                                                               14490000
05029  014740 045-ARRANGE-END.                                               14500000
05030  014750      IF ARRANGE-LAST NOT EQUAL 0                                14510000  029742
05031  014760          MOVE ARRANGE-LAST TO ARRANGE-LIMIT                     14520000  029752
05032  014770          GO TO 043-ARRANGE-START.                               14530000  029758
```

```
05033  014780*                                                          14540000
05034  014790 046-ADD-HIGH-VALUES.                                      14550000
05035  014800     MOVE HIGH-VALUES TO SPECIES-NUMBER (LATIN-SUBSCR).    14560000  029762
05036  014810*                                                          14570000
05037  014820 060-END-OF-JOB.                                           14580000
05038  014830*                                                          14590000
05039  014840* THE TOTAL NUMBER OF NEW MASTERFILE RECORDS               14600000
05040  014850* (LISTED AT END OF REPORT 1) WILL BE LESS                  14610000
05041  014860* THAN THE NUMBER OF RECORDS PRINTED ON REPORT 1           14620000
05042  014870* WHICH INCLUDES ALL VALID ADDS, CHANGES AND DELETES.      14630000
05043  014880*                                                          14640000
05044  014890     MOVE REC-REJECT-TOT TO RPT-REJECT-TOT.                14650000  02978C
05045  014900     MOVE NBR-BEFORE-UPDATE TO RPT-NBR-BEFORE-UPD.         14660000  02979E
05046  014910     MOVE NBR-AFTER-UPDATE TO RPT-NBR-AFTER-UPD.           14670000  0297B0
05047  014920     MOVE NBR-RECS-ADDED TO RPT-NBR-RECS-ADDED.            14680000  0297C2
05048  014930     MOVE NBR-RECS-CHG TO RPT-NBR-RECS-CHG.                14690000  0297D4
05049  014940     MOVE NBR-RECS-DEL TO RPT-NBR-RECS-DEL.                14700000  0297E6
05050  014950     IF R1-LINE-CNT GREATER THAN 46                        14710000  0297F8
05051  014960         PERFORM 202-WRITE-RPT1-UPD-HEADING.               14720000  029802
05052  014970     WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE1           14730000  02981E
05053  014980         AFTER POSITIONING 3.                              14740000
05054  014990     WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE2           14750000  029868
05055  015000         AFTER POSITIONING 2.                              14760000
05056  015010     WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE3           14770000  0298AE
05057  015020         AFTER POSITIONING 2.                              14780000
05058  015030     WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE4           14790000  0298F4
05059  015040         AFTER POSITIONING 2.                              14800000
05060  015050     WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE5           14810000  02993A
05061  015060         AFTER POSITIONING 2.                              14820000
05062  015070     WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE6           14830000  029980
05063  015080         AFTER POSITIONING 2.                              14840000
05064  015090     CLOSE OLD-MAST,                                       14850000  0299C6
05065  015100           NEW-MAST, UPDATE-RPT, ERROR-RPT, STRUC-ERR-RPT. 14860000
05066  015110     DISPLAY ' END OF NM100 '.                             14870000  0298F6
```

```
05068  015130 100-MAINLINE.                                          14890000
05069  015140     IF READ-MSTR                                       14900000  029C10
05070  015150         PERFORM 110-READ-MSTR.                         14910000  029C18
05071  015160     IF READ-TRAN                                       14920000  029C30
05072  015170         PERFORM 120-READ-TRANS.                        14930000  029C3C
05073  015180     IF NOT (END-OF-MASTER AND END-OF-TRANS)            14940000  029C54
05074  015190         PERFORM 130-MATCH-MSTR-TO-TRANS.               14950000  029C72
05075  015200     IF WRITE-RPT1                                      14960000  029C8A
05076  015210         PERFORM 200-WRITE-RPT1-UPD.                    14970000  029C96
05077  015220     IF WRITE-NEWMSTR                                   14980000  029CB2
05078  015230         PERFORM 220-WRITE-NEWMSTR-REC.                 14990000  029CBE
05079  015240*                                                       15000000
05080  015250 110-READ-MSTR.                                         15010000
05081  015260     IF DUMMY-RD-OFF                                    15020000  029CE4
05082  015270         PERFORM 111-REAL-READ                          15030000  029CEC
05083  015280     ELSE                                               15040000
05084  015290         PERFORM 112-DUMMY-READ.                        15050000  029D0C
05085  015300     MOVE TURN-OFF TO READ-MSTR-SW.                     15060000  029D24
05086  015310****************** TEMP CHG FOR DEBUG 10/25/82 ******************15070000
05087  015320**** IF SEQUENCE-NUMBER OF NM110REC = '8008506'         15080000
05088  015330****     READY TRACE                                    15090000
05089  015340****     DISPLAY 'KEY=' MSTR-CONTROL OF NM110REC.       15100000
05090  015350****************** TEMP CHG FOR DEBUG 10/25/82 ********************15110000
05091  015360*                                                       15120000
05092  015370 111-REAL-READ.                                         15130000
05093  015380     READ OLD-MAST INTO NM110REC                        15140000  029D34
05094  015390         AT END                                         15150000
05095  015400             MOVE HIGH-VALUES TO NM110REC, OLDMST-REC.  15160000  029D60
05096  015410     IF NOT END-OF-MASTER                               15170000  029D78
05097  015420         ADD 1 TO NBR-BEFORE-UPDATE.                    15180000  029D8E
05098  015430*                                                       15190000
05099  015440 112-DUMMY-READ.                                        15200000
05100  015450     MOVE OLDMST-REC TO NM110REC.                       15210000  029D9E
05101  015460     MOVE TURN-OFF TO DUMMY-RD-SW.                      15220000  029DA8
05102  015470*                                                       15230000
05103  015480 120-READ-TRANS.                                        15240000
05104  015490     RETURN SORT-FILE INTO NM100REC                     15250000  029DB4
05105  015500         AT END                                         15260000
05106  015510             MOVE HIGH-VALUES TO NM100REC.              15270000  029DE2
05107  015520     MOVE TURN-OFF TO READ-TRAN-SW.                     15280000  029DEC
05108  015530     MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW.           15290000  029DF2
05109  015540*                                                       15300000
05110  015550 130-MATCH-MSTR-TO-TRANS.                               15310000
05111  015560* * * * * * * * * * DEBUG * * * * * * * * * *          15320000
05112  015570*    DISPLAY 'MST=' MSTR-CONTROL                        15330000
05113  015580*            ' TR=' TR-CONTROL.                         15340000
05114  015590* * * * * * * * * * * * * * * * * * * * * * * *        15350000
05115  015600     IF MSTR-CONTROL GREATER THAN TR-CONTROL            15360000  029DFE
05116  015610         PERFORM 131-MASTER-HIGH                        15370000  029E08
05117  015620     ELSE                                               15380000
05118  015630         IF MSTR-CONTROL EQUAL TO TR-CONTROL            15390000  029E28
05119  015640             AND RECORD-TYPE OF NM110REC =              15400000
05120  015650                 RECORD-TYPE OF NM100REC                15410000
05121  015660                     PERFORM 137-MASTER-EQUAL           15420000  029E3C
```

```
05122   015670          ELSE                                                    15430000
05123   015680                  PERFORM 170-MASTER-LOW.                         15440000   029E5C
05124   015690*                                                                 15450000
05125   015700 131-MASTER-HIGH.                                                 15460000
05126   015710      MOVE TURN-ON TO READ-TRAN-SW.                               15470000   029E82
05127   015720      IF TR-ADD                                                   15480000   029E88
05128   015730          PERFORM 132-HIGH-ADD-TRANS                              15490000   029E98
05129   015740      ELSE                                                        15500000
05130   015750          PERFORM 134-HIGH-CHG-OR-DELETE-TRANS.                   15510000   029EB8
05131   015760*                                                                 15520000
05132   015770 132-HIGH-ADD-TRANS.                                              15530000
05133   015780      MOVE TURN-ON TO MASTER-ACTION-SW.                           15540000   029EDA
05134   015790      MOVE TURN-ON TO WRITE-RPT1-SW.                              15550000   029EE0
05135   015800      MOVE TURN-ON TO DUMMY-RD-SW.                                15560000   029EE6
05136   015810      MOVE SPACES TO NM110REC.                                    15570000   029EEC
05137   015820      MOVE CORR TR-CONTROL TO MSTR-CONTROL.                       15580000   029EF6
05138   015830      MOVE RECORD-TYPE OF NM100REC TO RECORD-TYPE OF NM110REC.    15590000   029F1A
05139   015840      PERFORM 133-MOVE-DATA-BY-TYPE.                              15600000   029F20
05140   015850      ADD 1 TO NBR-RECS-ADDED.                                    15610000   029F38
05141   015860      PERFORM 135-BUILD-RPT1.                                     15620000   029F42
05142   015870      MOVE REC-ADD TO RPT1-MESSAGE.                               15630000   029F5E
05143   015880*                                                                 15640000
05144   015890 133-MOVE-DATA-BY-TYPE.                                           15650000
05145   015900*****************************************************************15660000
05146   015910*       DEBUG 3/83 LRL                                            15670000
05147   015920*     IF TR-CONTROL EQUAL '79009890188350201020016'               15680000
05148   015930*         DISPLAY 'TRANS-' TR-INDIVIDUAL-DATA ' MSTR-'            15690000
05149   015940*                 INDIVIDUAL-DATA.                                15700000
05150   015950*****************************************************************15710000
05151   015960      IF ENVIR-RECORD                                             15720000   029F6E
05152   015970          MOVE CORR TR-ENVIR-STA-DATA TO ENVIR-STA-DATA           15730000   029F76
05153   015980      ELSE                                                        15740000
05154   015990          IF REPLIC-RECORD                                        15750000   02A05E
05155   016000              MOVE CORR TR-REPLICATE-DATA TO REPLICATE-DATA       15760000   02A066
05156   016010      ELSE                                                        15770000
05157   016020          IF SPECIES-RECORD                                       15780000   02A082
05158   016030              MOVE CORR TR-SPECIES-DATA TO SPECIES-DATA           15790000   02A08A
05159   016040      ELSE                                                        15800000
05160   016050          IF INDIV-RECORD                                         15810000   02A0D0
05161   016060              MOVE CORR TR-INDIVIDUAL-DATA TO INDIVIDUAL-DATA     15820000   02A0D8
05162   016070      ELSE                                                        15830000
05163   016080          IF ANNULUS-RECORD                                       15840000   02A13C
05164   016090              MOVE CORR TR-ANNULUS-DATA TO ANNULUS-DATA           15850000   02A144
05165   016100      ELSE                                                        15860000
05166   016110          IF TAG-RECAPTURE-RECORD                                 15870000   02A214
05167   016120              MOVE CORR TR-TAG-RECAPTURE-DATA  TO                 15880000   02A21C
05168   016130                          TAG-RECAPTURE-DATA.                     15890000
05169   016140*****************************************************************15900000
05170   016150*       DEBUG 3/83 LRL                                            15910000
05171   016160*     IF TR-CONTROL EQUAL '79009890188350201020016'               15920000
05172   016170*         DISPLAY 'TRANS-' TR-INDIVIDUAL-DATA ' MSTR-'            15930000
05173   016180*                 INDIVIDUAL-DATA.                                15940000
05174   016190*****************************************************************15950000
05175   016200*                                                                 15960000
```

```
05176  016210 134-HIGH-CHG-OR-DELETE-TRANS.                    15970000
05177  016220     IF NOT VALID-CHANGE-CODE                     15980000  02A25E
05178  016230         MOVE SPACES TO RPT1-MESSAGE              15990000  02A26E
05179  016240         MOVE INVAL-CHG-CODE TO RPT1-ERROR        16000000  02A278
05180  016250     ELSE                                         16010000
05181  016260         IF TR-CHANGE                             16020000  02A282
05182  016270             MOVE NOT-CHG TO RPT1-MESSAGE         16030000  02A28A
05183  016280             MOVE NO-REC TO RPT1-ERROR            16040000  02A29A
05184  016290         ELSE                                     16050000
05185  016300             IF TR-DELETE                         16060000  02A2A4
05186  016310                 MOVE NOT-DEL TO RPT1-MESSAGE     16070000  02A2AC
05187  016320                 MOVE NO-REC TO RPT1-ERROR.       16080000  02A2BC
05188  016330     MOVE TURN-ON TO EDIT-REJECT-ERROR-SW.        16090000  02A2C2
05189  016340     PERFORM 177-BUILD-TRANS-ERROR.               16100000  02A2C8
05190  016350*                                                16110000
05191  016360 135-BUILD-RPT1.                                  16120000
05192  016370     MOVE RECORD-TYPE OF NM110REC TO RPT1-REC-TYPE.  16130000  02A2EE
05193  016380     MOVE SEQUENCE-NUMBER OF NM110REC TO RPT1-SEQ-NBR.  16140000  02A2F4
05194  016390     MOVE REPLICATE-NUMBER OF NM110REC TO RPT1-REP-NBR.  16150000  02A2FA
05195  016400     MOVE SPECIES-CODE OF NM110REC TO RPT1-SPECIES-CODE.  16160000  02A300
05196  016410     MOVE SPECIES-STATUS OF NM110REC TO RPT1-SPECIES-STATUS.  16170000  02A306
05197  016420     MOVE LINE-NUMBER OF NM110REC TO RPT1-LINE-NBR.  16180000  02A30C
05198  016430     MOVE SPACES TO RPT1-ERROR.                   16190000  02A312
05199  016440     IF MSTR-ANNULUS-RECORD OR MSTR-INDIV-RECORD OR  16200000  02A31C
05200  016450         MSTR-SPECIES-RECORD                      16210000
05201  016460             MOVE DASH TO RPT1-DASH               16220000  02A334
05202  016470     ELSE                                         16230000
05203  016480         MOVE SPACES TO RPT1-DASH.                16240000  02A33E
05204  016490*                                                16250000
05205  016500 137-MASTER-EQUAL.                                16260000
05206  016510     MOVE TURN-ON TO READ-TRAN-SW.                16270000  02A348
05207  016520     IF TR-ADD                                    16280000  02A34E
05208  016530         OR NOT VALID-CHANGE-CODE                 16290000
05209  016540             PERFORM 138-EQUAL-ADD-TRANS          16300000  02A36E
05210  016550     ELSE                                         16310000
05211  016560         IF TR-CHANGE                             16320000  02A392
05212  016570             PERFORM 139-EQUAL-CHANGE-TRANS       16330000  02A39A
05213  016580         ELSE                                     16340000
05214  016590             PERFORM 160-EQUAL-DELETE-TRANS.      16350000  02A3BE
05215  016600*                                                16360000
05216  016610 138-EQUAL-ADD-TRANS.                             16370000
05217  016620     IF TR-ADD                                    16380000  02A3E4
05218  016630         MOVE NOT-ADD-TO RPT1-MESSAGE             16390000  02A3F8
05219  016640         MOVE REC-ALREADY TO RPT1-ERROR           16400000  02A408
05220  016650     ELSE                                         16410000
05221  016660         MOVE SPACES TO RPT1-MESSAGE              16420000  02A412
05222  016670         MOVE INVAL-CHG-CODE TO RPT1-ERROR.       16430000  02A41C
05223  016680     MOVE TURN-ON TO EDIT-REJECT-ERROR-SW.        16440000  02A422
05224  016690     PERFORM 177-BUILD-TRANS-ERROR.               16450000  02A428
05225  016700*                                                16460000
05226  016710 139-EQUAL-CHANGE-TRANS.                          16470000
05227  016720     MOVE TURN-ON TO MASTER-ACTION-SW.            16480000  02A44E
05228  016730     MOVE TURN-ON TO WRITE-RPT1-SW.               16490000  02A454
05229  016740     MOVE CORR TR-CONTROL TO MSTR-CONTROL.        16500000  02A45A
```

```
05230  016750      MOVE RECORD-TYPE OF NM100REC TO RECORD-TYPE OF NM110REC.   16510000  02A47E
05231  016760      PERFORM 133-MOVE-DATA-BY-TYPE.                            16520000  02A484
05232  016770      ADD 1 TO NBR-RECS-CHG.                                    16530000  02A4A0
05233  016780      PERFORM 135-BUILD-RPT1.                                   16540000  02A4AA
05234  016790      MOVE REC-CHG TO RPT1-MESSAGE.                             16550000  02A4CA
```

```
05236  016810 140-EDIT-ROUTINE.                                          16570000
05237  016820     IF MSTR-ENVIR-RECORD                                   16580000   02A4DA
05238  016830         PERFORM 141-EDIT-ENVIR-REC                         16590000   02A4E2
05239  016840         MOVE CURRENT-DATE TO DATE-MODIFIED OF ENVIR-STA-DATA 16600000  02A4FA
05240  016850                                           OF NM110REC      16610000
05241  016860     ELSE                                                   16620000
05242  016870         IF MSTR-REPLIC-RECORD                              16630000   02A512
05243  016880             PERFORM 149-EDIT-REPLIC-REC                    16640000   02A51A
05244  016890             MOVE CURRENT-DATE TO DATE-MODIFIED OF REPLICATE-DATA 16650000  02A536
05245  016900                                               OF NM110REC  16660000
05246  016910         ELSE                                               16670000
05247  016920             IF MSTR-SPECIES-RECORD                         16680000   02A54E
05248  016930                 PERFORM 151-EDIT-SPECIES-REC               16690000   02A556
05249  016940                 MOVE CURRENT-DATE TO DATE-MODIFIED         16700000   02A572
05250  016950                           OF SPECIES-DATA OF NM110REC      16710000
05251  016960             ELSE                                           16720000
05252  016970                 IF MSTR-INDIV-RECORD                       16730000   02A58A
05253  016980                     PERFORM 153-EDIT-INDIV-REC             16740000   02A592
05254  016990                     MOVE CURRENT-DATE TO DATE-MODIFIED     16750000   02A5AE
05255  017000                          OF INDIVIDUAL-DATA OF NM110REC    16760000
05256  017010                 ELSE                                       16770000
05257  017020                     IF MSTR-ANNULUS-RECORD                 16780000   02A5C6
05258  017030                         PERFORM 155-EDIT-ANNULUS-REC       16790000   02A5CE
05259  017040                         MOVE CURRENT-DATE TO DATE-MODIFIED 16800000   02A5EA
05260  017050                                   OF ANNULUS-DATA OF NM110REC 16810000
05261  017060                     ELSE                                   16820000
05262  017070                         IF MSTR-TAG-RECAPTURE-RECORD       16830000   02A602
05263  017080                             PERFORM 158-EDIT-TAG-RECAPT-REC 16840000   02A60A
05264  017090                             MOVE CURRENT-DATE TO DATE-MODIFIED 16850000  02A626
05265  017100                                  OF TAG-RECAPTURE-DATA      16860000
05266  017110                                  OF NM110REC.               16870000
05267  017120*                                                           16880000
05268  017130 141-EDIT-ENVIR-REC.                                        16890000
05269  017140     IF GRID-PROG-AND-NOT-(VALID-NUMER-GRID AND             16900000   02A640
05270  017150         VALID-ALPHA-GRID)                                  16910000
05271  017160             MOVE TURN-ON TO EDIT-ERROR-SW                  16920000   02A688
05272  017170             MOVE ENVIR-GRID OF NM110REC TO ERR-MSG-GRID    16930000   02A68E
05273  017180             MOVE GRID-NOT-FORMATTED TO RPT2-ERR-MSG        16940000   02A694
05274  017190             PERFORM 179-BUILD-MASTER-ERROR.                16950000   02A69A
05275  017200     IF SEQ-YR OF NM110REC NOT = ENVIR-YY OF NM110REC       16960000   02A6B6
05276  017210         MOVE TURN-ON TO EDIT-ERROR-SW                      16970000   02A6C4
05277  017220         MOVE YEAR-DOESNT-MATCH TO RPT2-ERR-MSG             16980000   02A6CA
05278  017230         PERFORM 179-BUILD-MASTER-ERROR.                    16990000   02A6D0
05279  017240*************************************************************17000000
05280  017250*       DEBUG 4/83 LRL                                       17010000
05281  017260*    IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299996'          17020000
05282  017270*        DISPLAY ' DEBUG-4 ' PROGRAM-TYPE OF NM110REC ' '    17030000
05283  017280*                ENVIR-START-LOC OF NM110REC ' '             17040000
05284  017290*                ENVIR-STAT-NUMBER OF NM110REC ' '           17050000
05285  017300*                ENVIR-GEAR-TYPE OF NM110REC.                17060000
05286  017310*************************************************************17070000
05287  017320     IF (PROGRAM-700-TO-799 AND NOT START-LOC-26-TO-40)      17080000   02A6EC
05288  017330         OR ((PROGRAM-000-TO-699 OR PROGRAM-800-TO-999)      17090000
05289  017340         AND NOT START-LOC-0-TO-23)                          17100000
```

```
05290  017350          MOVE TURN-ON TO EDIT-ERROR-SW                                  17110000  02A778
05291  017360          MOVE START-LOC-ERROR TO RPT2-ERR-MSG                           17120000  02A77E
05292  017370          PERFORM 179-BUILD-MASTER-ERROR.                                17130000  02A784
05293  017380      IF NOT (VALID-GEAR-OF-ZERO OR VALID-GEAR-OF-999)                   17140000  02A7A0
05294  017390          IF (PROGRAM-050 AND NOT VALID-GEAR-FOR-PGM050)                 17150000  02A7C8
05295  017400          OR (PROGRAM-051 AND NOT VALID-GEAR-FOR-PGM051)                 17160000
05296  017410          OR (PROGRAM-055 AND NOT VALID-GEAR-FOR-PGM055)                 17170000
05297  017420          OR (PROGRAM-060 AND NOT VALID-GEAR-FOR-PGM060)                 17180000
05298  017430          OR (PROGRAM-100 AND NOT VALID-GEAR-FOR-PGM100)                 17190000
05299  017440          OR (PROGRAM-105 AND NOT VALID-GEAR-FOR-PGM105)                 17200000
05300  017450          OR (PROGRAM-110 AND NOT VALID-GEAR-FOR-PGM110)                 17210000
05301  017460          OR (PROGRAM-115 AND NOT VALID-GEAR-FOR-PGM115)                 17220000
05302  017470          OR (PROGRAM-120 AND NOT VALID-GEAR-FOR-PGM120)                 17230000
05303  017480          OR (PROGRAM-125 AND NOT VALID-GEAR-FOR-PGM125)                 17240000
05304  017490          OR (PROGRAM-126 AND NOT VALID-GEAR-FOR-PGM126)                 17250000
05305  017500          OR (PROGRAM-130 AND NOT VALID-GEAR-FOR-PGM130)                 17260000
05306  017510          OR (PROGRAM-150 AND NOT VALID-GEAR-FOR-PGM150)                 17270000
05307  017520          OR (PROGRAM-160 AND NOT VALID-GEAR-FOR-PGM160)                 17280000
05308  017530          OR (PROGRAM-170-OR-180 AND NOT VALID-GEAR-FOR-PGM170-180)      17290000
05309  017540          OR (PROGRAM-175 AND NOT VALID-GEAR-FOR-PGM175)                 17300000
05310  017550          OR (PROGRAM-300 AND NOT VALID-GEAR-FOR-PGM300)                 17310000
05311  017560          OR (PROGRAM-320 AND NOT VALID-GEAR-FOR-PGM320)                 17320000
05312  017570          OR (PROGRAM-330 AND NOT VALID-GEAR-FOR-PGM330)                 17330000
05313  017580          OR (PROGRAM-340 AND NOT VALID-GEAR-FOR-PGM340)                 17340000
05314  017590          OR (PROGRAM-350 AND NOT VALID-GEAR-FOR-PGM350)                 17350000
05315  017600          OR (PROGRAM-400 AND NOT VALID-GEAR-FOR-PGM400)                 17360000
05316  017610          OR (PROGRAM-410 AND NOT VALID-GEAR-FOR-PGM410)                 17370000
05317  017620          OR (PROGRAM-420 AND NOT VALID-GEAR-FOR-PGM420)                 17380000
05318  017630          OR (PROGRAM-421-OR-422 AND NOT VALID-GEAR-FOR-PGM421-422)      17390000
05319  017640          OR (PROGRAM-430-OR-440 AND NOT VALID-GEAR-FOR-PGM430-440)      17400000
05320  017650          OR (PROGRAM-431-OR-441 AND NOT VALID-GEAR-FOR-PGM431-441)      17410000
05321  017660          OR (PROGRAM-432-OR-442 AND NOT VALID-GEAR-FOR-PGM432-442)      17420000
05322  017670          OR (PROGRAM-433-OR-443 AND NOT VALID-GEAR-FOR-PGM433-443)      17430000
05323  017680          OR (PROGRAM-434-OR-444 AND NOT VALID-GEAR-FOR-PGM434-444)      17440000
05324  017690          OR (PROGRAM-435-OR-445 AND NOT VALID-GEAR-FOR-PGM435-445)      17450000
05325  017700          OR (PROGRAM-436-OR-446 AND NOT VALID-GEAR-FOR-PGM436-446)      17460000
05326  017710          OR (PROGRAM-437-OR-447 AND NOT VALID-GEAR-FOR-PGM437-447)      17470000
05327  017720          OR (PROGRAM-438 AND NOT VALID-GEAR-FOR-PGM438)                 17480000
05328  017730          OR (PROGRAM-450 AND NOT VALID-GEAR-FOR-PGM450)                 17490000
05329  017740          OR (PROGRAM-460 AND NOT VALID-GEAR-FOR-PGM460)                 17500000
05330  017750          OR (PROGRAM-470 AND NOT VALID-GEAR-FOR-PGM470)                 17510000
05331  017760          OR (PROGRAM-500 AND NOT VALID-GEAR-FOR-PGM500)                 17520000
05332  017770          OR (PROGRAM-510 AND NOT VALID-GEAR-FOR-PGM510)                 17530000
05333  017780          OR (PROGRAM-530 AND NOT VALID-GEAR-FOR-PGM530)                 17540000
05334  017790          OR (PROGRAM-540 AND NOT VALID-GEAR-FOR-PGM540)                 17550000
05335  017800          OR (PROGRAM-550 AND NOT VALID-GEAR-FOR-PGM550)                 17560000
05336  017810          OR (PROGRAM-610 AND NOT VALID-GEAR-FOR-PGM610)                 17570000
05337  017820          OR (PROGRAM-615 AND NOT VALID-GEAR-FOR-PGM615)                 17580000
05338  017830          OR (PROGRAM-618 AND NOT VALID-GEAR-FOR-PGM618)                 17590000
05339  017840          OR (PROGRAM-620 AND NOT VALID-GEAR-FOR-PGM620)                 17600000
05340  017850          OR (PROGRAM-630 AND NOT VALID-GEAR-FOR-PGM630)                 17610000
05341  017860          OR (PROGRAM-650 AND NOT VALID-GEAR-FOR-PGM650)                 17620000
05342  017870          OR (PROGRAM-660 AND NOT VALID-GEAR-FOR-PGM660)                 17630000
05343  017880          OR (PROGRAM-670 AND NOT VALID-GEAR-FOR-PGM670)                 17640000
```

```
05344  017890      OR (PROGRAM-680 AND NOT VALID-GEAR-FOR-PGM680)          17650000
05345  017900      OR (PROGRAM-690 AND NOT VALID-GEAR-FOR-PGM690)          17660000
05346  017910      OR (PROGRAM-700 AND NOT VALID-GEAR-FOR-PGM700)          17670000
05347  017920      OR (PROGRAM-705 AND NOT VALID-GEAR-FOR-PGM705)          17680000
05348  017930      OR (PROGRAM-710 AND NOT VALID-GEAR-FOR-PGM710)          17690000
05349  017940      OR (PROGRAM-715 AND NOT VALID-GEAR-FOR-PGM715)          17700000
05350  017950      OR (PROGRAM-720 AND NOT VALID-GEAR-FOR-PGM720)          17710000
05351  017960      OR (PROGRAM-725 AND NOT VALID-GEAR-FOR-PGM725)          17720000
05352  017970      OR (PROGRAM-730 AND NOT VALID-GEAR-FOR-PGM730)          17730000
05353  017980      OR (PROGRAM-735 AND NOT VALID-GEAR-FOR-PGM735)          17740000
05354  017990      OR (PROGRAM-740 AND NOT VALID-GEAR-FOR-PGM740)          17750000
05355  018000      OR (PROGRAM-745 AND NOT VALID-GEAR-FOR-PGM745)          17760000
05356  018010      OR (PROGRAM-750 AND NOT VALID-GEAR-FOR-PGM750)          17770000
05357  018020      OR (PROGRAM-755 AND NOT VALID-GEAR-FOR-PGM755)          17780000
05358  018030      OR (PROGRAM-760 AND NOT VALID-GEAR-FOR-PGM760)          17790000
05359  018040      OR (PROGRAM-765 AND NOT VALID-GEAR-FOR-PGM765)          17800000
05360  018050      OR (PROGRAM-770 AND NOT VALID-GEAR-FOR-PGM770)          17810000
05361  018060      OR (PROGRAM-775 AND NOT VALID-GEAR-FOR-PGM775)          17820000
05362  018070          MOVE TURN-ON TO INVALID-GEAR-SW                     17830000  02C054
05363  018080          MOVE TURN-OFF TO INVALID-GEAR-SW                    17840000  02C05A
05364  018090          MOVE TURN-ON TO EDIT-ERROR-SW                       17850000  02C060
05365  018100          MOVE PROGRAM-TYPE-R OF NM110REC TO PROG-NUMBRX      17860000  02C066
05366  018110          MOVE ENVIR-GEAR-TYPE-R OF NM110REC TO GEAR-TYPEX    17870000  02C070
05367  018120          MOVE INVALID-GEAR-MSG TO RPT2-ERR-MSG               17880000  02C07A
05368  018130          PERFORM 179-BUILD-MASTER-ERROR.                     17890000  02C080
05369  018140  MOVE TURN-OFF TO INVALID-STATION-SW, STATION-FOUND-SW,      17900000  02C09C
05370  018150      END-OF-LIST-SW.                                         17910000
05371  018160  MOVE ENVIR-START-LOC-R OF NM110REC TO WORK-LOCATION.        17920000  02C0AE
05372  018170  IF PROGRAM-400-TO-499 OR PROGRAM-700-TO-799 OR             17930000  02C0BE
05373  018180     PROGRAM-930 OR PROGRAM-600-TO-699 OR                     17940000
05374  018190     ENVIR-STAT-NUMBER OF NM110REC EQUAL SPACES               17950000
05375  018200         MOVE TURN-OFF TO INVALID-STATION-SW                  17960000  02C144
05376  018210  ELSE                                                       17970000
05377  018220      SEARCH ALL LOC-WITH-1-3-STATIONS                        17980000  02C152
05378  018230          AT END                                              17990000
05379  018240              MOVE TURN-ON TO EDIT-ERROR-SW                   18000000  02C15A
05380  018250              MOVE WORK-LOCATION TO LOCATION-CODE             18010000  02C160
05381  018260              MOVE ENVIR-LOC-NOT-FOUND TO RPT2-ERR-MSG        18020000  02C170
05382  018270              PERFORM 179-BUILD-MASTER-ERROR                  18030000  02C176
05383  018280          WHEN WORK-LOCATION =                                18040000
05384  018290              LOCATION-1 (LOC-1-IX)                           18050000
05385  018300                  PERFORM 143-SEARCH-FOR-STATION.             18060000  02C1E6
05386  018310      IF INVALID-STATION                                      18070000  02C20E
05387  018320          MOVE TURN-ON TO EDIT-ERROR-SW                       18080000  02C216
05388  018330          MOVE ENVIR-STAT-NUMBER OF NM110REC TO STAT-NMBRX    18090000  02C21C
05389  018340          MOVE ENVIR-START-LOC OF NM110REC TO START-LOCX      18100000  02C222
05390  018350          MOVE INVALID-STA-MSG TO RPT2-ERR-MSG                18110000  02C228
05391  018360          PERFORM 179-BUILD-MASTER-ERROR.                     18120000  02C22E
05392  018370      IF ENVIR-DURATION-OR-AREA OF NM110REC NOT NUMERIC       18130000  02C24A
05393  018380          MOVE ENVIR-DURATION-OR-AREA OF NM110REC TO DEC-CHECK-FLD 18140000  02C25C
05394  018390          MOVE ZEROS TO DEC-CNT                               18150000  02C262
05395  018400          PERFORM 142-COUNT-NUMBER-DECIMALS                   18160000  02C268
05396  018410          IF DEC-CNT GREATER THAN 1                           18170000  02C280
05397  018420              MOVE TURN-ON TO EDIT-ERROR-SW                   18180000  02C28E
```

```
05398  018430              MOVE 'DURATION OR AREA' TO FLD-NAME-IN-ERR          18190000  02C294
05399  018440              MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG            18200000  02C2A4
05400  018450              PERFORM 179-BUILD-MASTER-ERROR.                     18210000  02C2AA
05401  018460*         ADDED PER MEMO 7/14/83                                  18220000
05402  018470      IF VALID-GEAR-OF-ZERO AND ENVIR-DURATION-OR-AREA OF NM110REC 18230000  02C2C6
05403  018480                              NOT EQUAL SPACES                    18240000
05404  018490          MOVE TURN-ON TO EDIT-ERROR-SW                           18250000  02C2EC
05405  018500          MOVE ENVIR-DURATION-OR-AREA OF NM110REC TO              18260000  02C2F2
05406  018510                              ENVIR-DURAT-ERR                     18270000
05407  018520          MOVE ENVIR-DURATION-ERROR TO RPT2-ERR-MSG               18280000  02C2F8
05408  018530          PERFORM 179-BUILD-MASTER-ERROR.                         18290000  02C2FE
05409  018540      IF ENVIR-NUMBER-REPLIC OF NM110REC EQUAL ZERO AND           18300000  02C31A
05410  018550                              NOT VALID-GEAR-OF-ZERO              18310000
05411  018560          MOVE TURN-ON TO EDIT-ERROR-SW                           18320000  02C340
05412  018570          MOVE ENVIR-GEAR-TYPE OF NM110REC TO ENVIR-NO-GEAR       18330000  02C346
05413  018580          MOVE ENVIR-NON-ZERO-GEAR TO RPT2-ERR-MSG                18340000  02C34C
05414  018590          PERFORM 179-BUILD-MASTER-ERROR.                         18350000  02C352
05415  018600*                                                                18360000
05416  018610 142-COUNT-NUMBER-DECIMALS.                                       18370000
05417  018620      IF DEC-CK-1 = '.'                                           18380000  02C378
05418  018630          ADD 1 TO DEC-CNT.                                       18390000  02C380
05419  018640      IF DEC-CK-2 = '.'                                           18400000  02C38A
05420  018650          ADD 1 TO DEC-CNT.                                       18410000  02C392
05421  018660      IF DEC-CK-3 = '.'                                           18420000  02C39C
05422  018670          ADD 1 TO DEC-CNT.                                       18430000  02C3A4
05423  018680      IF DEC-CK-4 = '.'                                           18440000  02C3AE
05424  018690          ADD 1 TO DEC-CNT.                                       18450000  02C3B6
05425  018700*                                                                18460000
05426  018710 143-SEARCH-FOR-STATION.                                          18470000
05427  018720      PERFORM 144-SEARCH-TAB-1-FOR-STATION                        18480000  02C3C6
05428  018730          VARYING STA-1-IX FROM 1 BY 1                            18490000
05429  018740          UNTIL STA-1-IX GREATER THAN 3                           18500000
05430  018750          OR STATION-FOUND.                                       18510000
05431  018760      IF STATION-NOT-FOUND                                        18520000  02C40E
05432  018770          SEARCH ALL LOC-WITH-04-42-STATIONS                      18530000  02C41A
05433  018780          WHEN WORK-LOCATION =                                    18540000
05434  018790                  LOCATION-2 (LOC-2-IX)                           18550000
05435  018800                      PERFORM 145-FOUND-LOCATION-IN-TAB-2.        18560000  02C46E
05436  018810      IF STATION-NOT-FOUND                                        18570000  02C492
05437  018820          MOVE TURN-ON TO INVALID-STATION-SW.                     18580000  02C49A
05438  018830*                                                                18590000
05439  018840 144-SEARCH-TAB-1-FOR-STATION.                                    18600000
05440  018850      IF ENVIR-STAT-NUMBER OF NM110REC =                          18610000  02C4A6
05441  018860          STATION-1 (LOC-1-IX, STA-1-IX)                          18620000
05442  018870              MOVE TURN-ON TO STATION-FOUND-SW.                   18630000  02C4C4
05443  018880*                                                                18640000
05444  018890 145-FOUND-LOCATION-IN-TAB-2.                                     18650000
05445  018900      PERFORM 146-SEARCH-TAB-2-FOR-STATION                        18660000  02C4D0
05446  018910          VARYING STA-2-IX FROM 1 BY 1                            18670000
05447  018920          UNTIL STA-2-IX GREATER THAN 39                          18680000
05448  018930          OR STATION-FOUND OR END-OF-LIST.                        18690000
05449  018940      IF STATION-NOT-FOUND                                        18700000  02C520
05450  018950          SEARCH ALL LOC-WITH-43-138-STATIONS                     18710000  02C52C
05451  018960          WHEN WORK-LOCATION =                                    18720000
```

```
05452  018970            LOCATION-3 (LOC-3-IX)                                18730000
05453  018980                PERFORM 148-SEARCH-TAB-3-FOR-STATION             18740000   02C582
05454  018990                    VARYING STA-3-IX FROM 1 BY 1                 18750000
05455  019000                    UNTIL STA-3-IX GREATER THAN 96               18760000
05456  019010                    OR STATION-FOUND OR END-OF-LIST.             18770000
05457  019020 146-SEARCH-TAB-2-FOR-STATION.                                   18780000
05458  019030      IF ENVIR-STAT-NUMBER OF NM110REC =                         18790000   02C5E4
05459  019040          STATION-2 (LOC-2-IX, STA-2-IX)                         18800000
05460  019050              MOVE TURN-ON TO STATION-FOUND-SW.                  18810000   02C606
05461  019060      IF STATION-2 (LOC-2-IX, STA-2-IX) = SPACES                 18820000   02C60C
05462  019070          MOVE TURN-ON TO END-OF-LIST-SW.                        18830000   02C636
05463  019080 148-SEARCH-TAB-3-FOR-STATION.                                   18840000
05464  019090      IF ENVIR-STAT-NUMBER OF NM110REC =                         18850000   02C642
05465  019100          STATION-3 (LOC-3-IX, STA-3-IX)                         18860000
05466  019110              MOVE TURN-ON TO STATION-FOUND-SW.                  18870000   02C664
05467  019120      IF STATION-3 (LOC-3-IX, STA-3-IX) = SPACES                 18880000   02C66A
05468  019130          MOVE TURN-ON TO END-OF-LIST-SW.                        18890000   02C694
05469  019140*                                                                18900000
05470  019150 149-EDIT-REPLIC-REC.                                            18910000
05471  019160      MOVE RP-SAMPLE-SIZE OF NM110REC TO CONVERT-FIELD,          18920000   02C6A0
05472  019170                                         TEST-FIELD.             18930000
05473  019180      PERFORM 150A-EDIT-EXPLICIT-DECIMAL.                        18940000   02C6AC
05474  019190      MOVE CONVERTED-DECIMAL-12 TO RP-SAMPLE-SIZE-CNVRT.         18950000   02C6C4
05475  019200      MOVE RP-COLLECT-SIZE OF NM110REC TO CONVERT-FIELD,         18960000   02C6CE
05476  019210                                         TEST-FIELD.             18970000
05477  019220      PERFORM 150A-EDIT-EXPLICIT-DECIMAL.                        18980000   02C6DA
05478  019230      MOVE CONVERTED-DECIMAL-12 TO RP-COLLECT-SIZE-CNVRT.        18990000   02C6F6
05479  019240      IF RP-SAMPLE-SIZE-CNVRT  NOT NUMERIC                       19000000   02C700
05480  019250          MOVE TURN-ON TO EDIT-ERROR-SW                          19010000   02C712
05481  019260          MOVE 'SAMPLE SIZE    ' TO FLD-NAME-IN-ERR              19020000   02C718
05482  019270          MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG               19030000   02C728
05483  019280          PERFORM 179-BUILD-MASTER-ERROR.                        19040000   02C72E
05484  019290      IF RP-COLLECT-SIZE-CNVRT  NOT NUMERIC                      19050000   02C74A
05485  019300          MOVE TURN-ON TO EDIT-ERROR-SW                          19060000   02C75C
05486  019310          MOVE 'COLLECT SIZE   ' TO FLD-NAME-IN-ERR              19070000   02C762
05487  019320          MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG               19080000   02C772
05488  019330          PERFORM 179-BUILD-MASTER-ERROR.                        19090000   02C778
05489  019340      IF RP-SAMPLE-SIZE-CNVRT NUMERIC AND                        19100000   02C794
05490  019350         RP-SAMPLE-SIZE-CNVRT LESS 999999.999999 AND             19110000
05491  019360         RP-COLLECT-SIZE-CNVRT NUMERIC AND                       19120000
05492  019370         RP-COLLECT-SIZE-CNVRT LESS 999999.999999 AND            19130000
05493  019380         RP-SAMPLE-SIZE-CNVRT GREATER THAN RP-COLLECT-SIZE-CNVRT 19140000
05494  019390              MOVE TURN-ON TO EDIT-ERROR-SW                      19150000   02C7EA
05495  019400              MOVE RP-SAMPLE-SIZE-CNVRT TO SAMPLE-SIZ            19160000   02C7F0
05496  019410              MOVE RP-COLLECT-SIZE-CNVRT TO COLLECT-SIZ          19170000   02C814
05497  019420              MOVE SAMPLE-EXCEEDS-COLLECTION TO RPT2-ERR-MSG     19180000   02C838
05498  019430              PERFORM 179-BUILD-MASTER-ERROR.                    19190000   02C83E
05499  019440*                                                                19200000
05500  019450 150A-EDIT-EXPLICIT-DECIMAL.                                     19210000
05501  019460      EXAMINE TEST-FIELD REPLACING ALL '.' BY '0'.               19220000   02C864
05502  019470      IF TEST-FIELD NOT NUMERIC                                  19230000   02C886
05503  019480          MOVE SPACES TO TARGET-AREA                             19240000   02C894
05504  019490          MOVE HOLD-CONVERSION TO CONVERTED-DECIMAL-12           19250000   02C89E
05505  019500        ELSE                                                     19260000
```

```
05506  019510          PERFORM 150B-EDIT-EXPLICIT-DECIMAL.                    19270000  02C8AC
05507  019520*                                                                19280000
05508  019530 150B-EDIT-EXPLICIT-DECIMAL.                                     19290000
05509  019540      MOVE ZEROS TO NUMBER-OF-FIELDS, HOLD-CONVERSION.           19300000  02C8CE
05510  019550      IF CONVERT-FIELD EQUAL '999999'                            19310000  02C8D8
05511  019560          MOVE '999999' TO NUMBER-UNITS, NUMBER-DECIMAL          19320000  02C8E2
05512  019570      ELSE                                                       19330000
05513  019580          UNSTRING CONVERT-FIELD DELIMITED BY '.'                19340000  02C8F2
05514  019590              INTO NUMBER-UNITS   COUNT IN COUNT-UNITS           19350000
05515  019600                   NUMBER-DECIMAL COUNT IN COUNT-DECIMAL         19360000
05516  019610              TALLYING IN NUMBER-OF-FIELDS.                      19370000
05517  019620      EXAMINE TARGET-AREA REPLACING ALL ' ' BY '0'.              19380000  02C90E
05518  019630      MOVE HOLD-CONVERSION TO CONVERTED-DECIMAL-12.              19390000  02C934
05519  019640*     DISPLAY ' ' SEQUENCE-NUMBER OF NM110REC                    19400000
05520  019650*             ' ' CONVERT-FIELD ' ' HOLD-CONVERSION ' '          19410000
05521  019660*                 CONVERTED-DECIMAL-12.                          19420000
05522  019670*                                                                19430000
05523  019680 151-EDIT-SPECIES-REC.                                           19440000
05524  019690      IF SPE-SUBSAMPLE-CNT-R OF NM110REC NOT NUMERIC             19450000  02C944
05525  019700          MOVE TURN-ON TO EDIT-ERROR-SW                          19460000  02C952
05526  019710          MOVE 'SUBSAMPLE COUNT' TO FLD-NAME-IN-ERR              19470000  02C958
05527  019720          MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG               19480000  02C968
05528  019730          PERFORM 179-BUILD-MASTER-ERROR.                        19490000  02C96E
05529  019740      IF SPE-SAMPLE-CNT-R OF NM110REC NOT NUMERIC                19500000  02C98A
05530  019750          MOVE TURN-ON TO EDIT-ERROR-SW                          19510000  02C99C
05531  019760          MOVE 'SAMPLE COUNT' TO FLD-NAME-IN-ERR                 19520000  02C9A2
05532  019770          MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG               19530000  02C9B2
05533  019780          PERFORM 179-BUILD-MASTER-ERROR.                        19540000  02C9B8
05534  019790      IF SPE-SUBSAMPLE-CNT-R OF NM110REC NUMERIC                 19550000  02C9D4
05535  019800          AND SPE-SAMPLE-CNT-R OF NM110REC NUMERIC               19560000
05536  019810          AND SPE-SUBSAMPLE-CNT-R OF NM110REC                    19570000
05537  019820            GREATER THAN SPE-SAMPLE-CNT-R OF NM110REC            19580000
05538  019830              MOVE TURN-ON TO EDIT-ERROR-SW                      19590000  02CA0A
05539  019840              MOVE SPE-SAMPLE-CNT-R OF NM110REC TO               19600000  02CA10
05540  019850                   SPEC-SAMPL-NMBRX                              19610000
05541  019860              MOVE SPE-SUBSAMPLE-CNT-R OF NM110REC TO            19620000  02CA1A
05542  019870                   SPEC-SUBSAMP-NMBRX                            19630000
05543  019880              MOVE SUB-SIZE-EXCEEDS-SAMPLE TO RPT2-ERR-MSG       19640000  02CA24
05544  019890              PERFORM 179-BUILD-MASTER-ERROR.                    19650000  02CA2A
05545  019900      IF SPE-TOTAL-CNT-R OF NM110REC NOT NUMERIC                 19660000  02CA46
05546  019910          MOVE TURN-ON TO EDIT-ERROR-SW                          19670000  02CA58
05547  019920          MOVE 'TOTAL COUNT' TO FLD-NAME-IN-ERR                  19680000  02CA5E
05548  019930          MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG               19690000  02CA6E
05549  019940          PERFORM 179-BUILD-MASTER-ERROR.                        19700000  02CA74
05550  019950      IF SPE-SAMPLE-CNT-R OF NM110REC NUMERIC                    19710000  02CA90
05551  019960          AND SPE-TOTAL-CNT-R OF NM110REC NUMERIC                19720000
05552  019970          AND SPE-SAMPLE-CNT-R OF NM110REC                       19730000
05553  019980            GREATER THAN SPE-TOTAL-CNT-R OF NM110REC             19740000
05554  019990              MOVE TURN-ON TO EDIT-ERROR-SW                      19750000  02CAC6
05555  020000              MOVE SPE-SAMPLE-CNT-R OF NM110REC TO               19760000  02CACC
05556  020010                   SPE-SAMPLE-NMBRX                              19770000
05557  020020              MOVE SPE-TOTAL-CNT-R OF NM110REC TO                19780000  02CAD6
05558  020030                   SPE-TOTAL-NMBRX                               19790000
05559  020040              MOVE SAMPLE-SIZE-EXC-COLLECTION TO RPT2-ERR-MSG    19800000  02CAE0
```

```
05560  020050           PERFORM 179-BUILD-MASTER-ERROR.                19810000  02CAE6
05561  020060***                                                       19820000
05562  020070*** THIS EDIT REMOVED 5/12/82 PER S.EPPERLY, EDITED AT D.M.F.  19830000
05563  020080*****IF SPE-SUBSAMPLE-WGT-R OF NM110REC NOT NUMERIC        19840000
05564  020090*****    MOVE TURN-ON TO EDIT-ERROR-SW                     19850000
05565  020100*****    MOVE 'SUBSAMPLE WEIGHT' TO FLD-NAME-IN-ERR        19860000
05566  020110*****    MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG          19870000
05567  020120*****    PERFORM 179-BUILD-MASTER-ERROR.                   19880000
05568  020130***    NOTE  MAYBE .9999 (VALID WITH DECIMAL KEYED)        19890000
05569  020140*                                                         19900000
05570  020150      MOVE SPE-SAMPLE-WGT OF NM110REC  TO CONVERT-FIELD,   19910000  02CB02
05571  020160                                         TEST-FIELD.      19920000
05572  020170      PERFORM 150A-EDIT-EXPLICIT-DECIMAL.                  19930000  02CB0E
05573  020180      MOVE CONVERTED-DECIMAL-12 TO SPE-SAMPLE-WGT-CNVRT.   19940000  02CB2A
05574  020190      IF SPE-SAMPLE-WGT-CNVRT NOT NUMERIC                  19950000  02CB34
05575  020200          MOVE TURN-ON TO EDIT-ERROR-SW                    19960000  02CB46
05576  020210          MOVE 'SAMPLE WEIGHT' TO FLD-NAME-IN-ERR          19970000  02CB4C
05577  020220          MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG         19980000  02CB5C
05578  020230          PERFORM 179-BUILD-MASTER-ERROR.                  19990000  02CB62
05579  020240      MOVE SPE-SUBSAMPLE-WGT OF NM110REC  TO CONVERT-FIELD,  20000000  02CB7E
05580  020250                                             TEST-FIELD.   20010000
05581  020260      PERFORM 150A-EDIT-EXPLICIT-DECIMAL.                  20020000  02CB8A
05582  020270      MOVE CONVERTED-DECIMAL-12 TO SPE-SUBSAMPLE-WGT-CNVRT.  20030000  02CBA6
05583  020280      IF SPE-SUBSAMPLE-WGT-CNVRT NOT NUMERIC               20040000  02CBB0
05584  020290          MOVE TURN-ON TO EDIT-ERROR-SW                    20050000  02CBC2
05585  020300          MOVE 'SUBSAMP WGHT ' TO FLD-NAME-IN-ERR          20060000  02CBC8
05586  020310          MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG         20070000  02CBD8
05587  020320          PERFORM 179-BUILD-MASTER-ERROR.                  20080000  02CBDE
05588  020330      MOVE SPE-TOTAL-WGT OF NM110REC TO CONVERT-FIELD,     20090000  02CBFA
05589  020340                                         TEST-FIELD.      20100000
05590  020350      PERFORM 150A-EDIT-EXPLICIT-DECIMAL.                  20110000  02CC06
05591  020360      MOVE CONVERTED-DECIMAL-12 TO SPE-TOTAL-WGT-CNVRT.    20120000  02CC22
05592  020370      IF SPE-TOTAL-WGT-CNVRT NOT NUMERIC                   20130000  02CC2C
05593  020380          MOVE TURN-ON TO EDIT-ERROR-SW                    20140000  02CC3E
05594  020390          MOVE 'TOTAL WEIGHT' TO FLD-NAME-IN-ERR           20150000  02CC44
05595  020400          MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG         20160000  02CC54
05596  020410          PERFORM 179-BUILD-MASTER-ERROR.                  20170000  02CC5A
05597  020420      IF SPE-SUBSAMPLE-WGT-CNVRT NUMERIC AND               20180000  02CC76
05598  020430         SPE-SUBSAMPLE-WGT-CNVRT LESS 999999.999999        20190000
05599  020440          AND SPE-SAMPLE-WGT-CNVRT NUMERIC                 20200000
05600  020450          AND SPE-SAMPLE-WGT-CNVRT LESS 999999.999999      20210000
05601  020460          AND SPE-SUBSAMPLE-WGT-CNVRT                      20220000
05602  020470              GREATER THAN SPE-SAMPLE-WGT-CNVRT            20230000
05603  020480              MOVE TURN-ON TO EDIT-ERROR-SW                20240000  02CCCC
05604  020490              MOVE SPE-SUBSAMPLE-WGT-CNVRT TO SPE-SUB-WGHTX  20250000  02CCD2
05605  020500              MOVE SPE-SAMPLE-WGT-CNVRT TO SPE-SAMP-WGHTX  20260000  02CCF6
05606  020510              MOVE SUB-WGT-EXCEEDS-SAMPLE TO RPT2-ERR-MSG  20270000  02CD1A
05607  020520              PERFORM 179-BUILD-MASTER-ERROR.              20280000  02CD20
05608  020530      IF SPE-SAMPLE-WGT-CNVRT NUMERIC AND                  20290000  02CD3C
05609  020540         SPE-SAMPLE-WGT-CNVRT LESS 999999.999999           20300000
05610  020550          AND SPE-TOTAL-WGT-CNVRT NUMERIC                  20310000
05611  020560          AND SPE-TOTAL-WGT-CNVRT LESS 999999.999999       20320000
05612  020570          AND SPE-SAMPLE-WGT-CNVRT                         20330000
05613  020580            GREATER THAN SPE-TOTAL-WGT-CNVRT               20340000
```

```
05614  020590            MOVE TURN-ON TO EDIT-ERROR-SW                    20350000  02CD92
05615  020600            MOVE SPE-SAMPLE-WGT-CNVRT TO SPE-SAMPLE-WGHTX    20360000  02CD98
05616  020610            MOVE SPE-TOTAL-WGT-CNVRT TO SPE-TOTL-WGHTX       20370000  02CD8C
05617  020620            MOVE SAMPLE-WGT-EXCEEDS-TOTAL TO RPT2-ERR-MSG    20380000  02CDE0
05618  020630            PERFORM 179-BUILD-MASTER-ERROR.                  20390000  02CDE6
05619  020640      MOVE ZEROS TO WORK-CNT.                                20400000  02CE02
05620  020650*****************************************************************20410000
05621  020660*        DEBUG 4/83 LRL                                       20420000
05622  020670*    IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299999' AND       20430000
05623  020680*       SPECIES-GROUP OF NM110REC EQUAL '88354407011'         20440000
05624  020690*       DISPLAY ' DEBUG-5 ' SPE-TAG-TYPE1 OF NM110REC ' '     20450000
05625  020700*       SPE-NBR-TAGGED1 OF NM110REC ' ' SPE-TAG-TYPE2 OF NM110REC 20460000
05626  020710*       ' ' SPE-NBR-TAGGED2 OF NM110REC.                      20470000
05627  020720*****************************************************************20480000
05628  020730      IF SPE-TAG-TYPE1 OF NM110REC = SPACES                   20490000  02CE08
05629  020740         IF SPE-NBR-TAGGED1 OF NM110REC = SPACES              20500000  02CE14
05630  020750            NEXT SENTENCE                                     20510000
05631  020760         ELSE                                                 20520000
05632  020770            MOVE TURN-ON TO EDIT-ERROR-SW                     20530000  02CE2A
05633  020780            MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG             20540000  02CE30
05634  020790            PERFORM 179-BUILD-MASTER-ERROR                    20550000  02CE36
05635  020800      ELSE                                                    20560000
05636  020810         IF SPE-NBR-TAGGED1 OF NM110REC IS NUMERIC            20570000  02CE5A
05637  020820            ADD SPE-NBR-TAGGED1-R OF NM110REC TO WORK-CNT     20580000  02CE68
05638  020830         ELSE                                                 20590000
05639  020840            MOVE TURN-ON TO EDIT-ERROR-SW                     20600000  02CE7C
05640  020850            MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG             20610000  02CE82
05641  020860            PERFORM 179-BUILD-MASTER-ERROR.                   20620000  02CE88
05642  020870      IF SPE-TAG-TYPE2 OF NM110REC = SPACES                   20630000  02CEA4
05643  020880         IF SPE-NBR-TAGGED2 OF NM110REC = SPACES              20640000  02CEB0
05644  020890            NEXT SENTENCE                                     20650000
05645  020900         ELSE                                                 20660000
05646  020910            MOVE TURN-ON TO EDIT-ERROR-SW                     20670000  02CEC6
05647  020920            MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG             20680000  02CECC
05648  020930            PERFORM 179-BUILD-MASTER-ERROR                    20690000  02CED2
05649  020940      ELSE                                                    20700000
05650  020950         IF SPE-NBR-TAGGED2 OF NM110REC IS NUMERIC            20710000  02CEF6
05651  020960            ADD SPE-NBR-TAGGED2-R OF NM110REC TO WORK-CNT     20720000  02CF04
05652  020970         ELSE                                                 20730000
05653  020980            MOVE TURN-ON TO EDIT-ERROR-SW                     20740000  02CF18
05654  020990            MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG             20750000  02CF1E
05655  021000            PERFORM 179-BUILD-MASTER-ERROR.                   20760000  02CF24
05656  021010*****************************************************************20770000
05657  021020*        DEBUG 4/83 LRL                                       20780000
05658  021030*    IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299999' AND       20790000
05659  021040*       SPECIES-GROUP OF NM110REC EQUAL '88354407011'         20800000
05660  021050*       DISPLAY ' DEBUG-10 ' WORK-CNT .                       20810000
05661  021060*****************************************************************20820000
05662  021070      IF WORK-CNT GREATER THAN ZERO                           20830000  02CF40
05663  021080        AND WORK-CNT GREATER THAN SPE-SAMPLE-CNT-R OF NM110REC 20840000
05664  021090           MOVE TURN-ON TO EDIT-ERROR-SW                      20850000  02CF5E
05665  021100           MOVE NBR-TAGGED-ERR TO RPT2-ERR-MSG                20860000  02CF64
05666  021110           PERFORM 179-BUILD-MASTER-ERROR.                    20870000  02CF6A
05667  021120*                                                             20880000
```

```
05668  021130* EDIT ADDED 2/84 BY EFF                                    20820000
05669  021140      IF SPE-INDIV-FORMAT-CODE OF NM110REC = '5'             20830000   02CF86
05670  021150        AND REPLICATE-NUMBER OF NM110REC NOT = '00'          20840000
05671  021160            MOVE TURN-ON TO EDIT-ERROR-SW                    20850000   02CF9C
05672  021170            MOVE FORM-OF-RECORD-TYPE-IV-ERR TO RPT2-ERR-MSG  20860000   02CFA2
05673  021180            PERFORM 179-BUILD-MASTER-ERROR.                  20870000   02CFA8
05674  021190* END OF ADDITION EFF                                        20880000
05675  021200*                                                           20880000
05676  021210 153-EDIT-INDIV-REC.                                        20890000
05677  021220*****************************************************************20900000
05678  021230*         DEBUG 3/83 LRL                                    20910000
05679  021240*     IF SEQUENCE-NUMBER OF NM110REC EQUAL '7499999' AND    20920000
05680  021250*        SPECIES-CODE OF NM110REC EQUAL '8747010105' AND    20930000
05681  021260*        LINE-NUMBER OF NM110REC EQUAL '008'                20940000
05682  021270*           DISPLAY 'DEBUG-1 ' INDIV-AGE-STATUS OF NM110REC 20950000
05683  021280*                   ' ' INDIV-AGE-STRUCTURE OF NM110REC ' ' 20960000
05684  021290*                   INDIV-AGE OF NM110REC ' '               20970000
05685  021300*                   INDIV-SPAWN-MARK-CNT OF NM110REC.       20980000
05686  021310*****************************************************************20990000
05687  021320      IF INDIV-AGE-R OF NM110REC NUMERIC                    21000000   02CFCE
05688  021330        AND INDIV-SPAWN-MARK-CNT-R OF NM110REC NUMERIC      21010000
05689  021340        AND INDIV-AGE-R OF NM110REC LESS THAN               21020000
05690  021350            INDIV-SPAWN-MARK-CNT-R OF NM110REC              21030000
05691  021360              MOVE TURN-ON TO EDIT-ERROR-SW                 21040000   02D00C
05692  021370              MOVE AGE-LT-SPAWN-MARK TO RPT2-ERR-MSG        21050000   02D012
05693  021380              PERFORM 179-BUILD-MASTER-ERROR.               21060000   02D018
05694  021390*****************************************************************21070000
05695  021400*     ADDED 11/82 PER MEMO 11/9/82                          21080000
05696  021410      IF (INDIV-AGE-STATUS OF NM110REC EQUAL '0' OR         21090000   02D034
05697  021420        INDIV-AGE-STATUS OF NM110REC EQUAL ' ')             21100000
05698  021430        AND (INDIV-AGE-STRUCTURE OF NM110REC NOT EQUAL ' ' OR 21110000
05699  021440        INDIV-AGE OF NM110REC NOT EQUAL ' ' OR              21120000
05700  021450        INDIV-SPAWN-MARK-CNT OF NM110REC NOT EQUAL ' ' )    21130000
05701  021460            MOVE TURN-ON TO EDIT-ERROR-SW                 21140000   02D06E
05702  021470            MOVE INDIV-AGE-INCONSIS TO RPT2-ERR-MSG       21150000   02D074
05703  021480            PERFORM 179-BUILD-MASTER-ERROR.               21160000   02D07A
05704  021490      IF (INDIV-AGE-STRUCTURE OF NM110REC EQUAL ' ') AND    21170000   02D096
05705  021500        ((INDIV-AGE-STATUS OF NM110REC NOT EQUAL '0' AND    21180000
05706  021510        INDIV-AGE-STATUS OF NM110REC NOT EQUAL ' ') OR      21190000
05707  021520        INDIV-AGE OF NM110REC NOT EQUAL ' ' OR              21200000
05708  021530        INDIV-SPAWN-MARK-CNT OF NM110REC NOT EQUAL ' ' )    21210000
05709  021540            MOVE TURN-ON TO EDIT-ERROR-SW                 21220000   02D0C6
05710  021550            MOVE INDIV-AGE-INCONSIS TO RPT2-ERR-MSG       21230000   02D0CC
05711  021560            PERFORM 179-BUILD-MASTER-ERROR.               21240000   02D0D2
05712  021570      IF (INDIV-AGE OF NM110REC NOT EQUAL ' ' OR          21250000   02D0EE
05713  021580        INDIV-SPAWN-MARK-CNT OF NM110REC NOT EQUAL ' ' )    21260000
05714  021590        AND (INDIV-AGE-STATUS OF NM110REC LESS '1' OR       21270000
05715  021600        INDIV-AGE-STRUCTURE OF NM110REC LESS '1' )          21280000
05716  021610            MOVE TURN-ON TO EDIT-ERROR-SW                 21290000   02D116
05717  021620            MOVE INDIV-AGE-INCONSIS TO RPT2-ERR-MSG       21300000   02D11C
05718  021630            PERFORM 179-BUILD-MASTER-ERROR.               21310000   02D122
05719  021640      IF INDIV-AGE-STATUS OF NM110REC EQUAL '1' AND       21320000   02D13E
05720  021650         INDIV-AGE-R OF NM110REC NOT NUMERIC              21330000
05721  021660            MOVE TURN-ON TO EDIT-ERROR-SW                 21340000   02D158
```

```
05722  021670            MOVE INDIV-AGE-STAT-ERR2 TO RPT2-ERR-MSG          21350000  02D15E
05723  021680            PERFORM 179-BUILD-MASTER-ERROR.                   21360000  02D164
05724  021690      IF INDIV-AGE-STATUS OF NM110REC EQUAL '2'               21370000  02D180
05725  021700          PERFORM 249-SAVE-AGE-STATUS                         21390000  02D18C
05726  021710          MOVE NM110REC TO SAVE-INDIV                         21390000  02D1A8
05727  021720          IF INDIV-AGE OF NM110REC NOT NUMERIC                21400000  02D1B8
05728  021730              MOVE TURN-ON TO EDIT-ERROR-SW                   21410000  02D1CA
05729  021740              MOVE INDIV-AGE-STAT-ERR3 TO RPT2-ERR-MSG        21420000  02D1D0
05730  021750              PERFORM 179-BUILD-MASTER-ERROR.                 21430000  02D1D6
05731  021760      IF INDIV-AGE-STATUS OF NM110REC EQUAL '3' AND           21440000  02D1F2
05732  021770         ( INDIV-AGE OF NM110REC NOT EQUAL SPACES OR          21450000
05733  021780         INDIV-SPAWN-MARK-CNT OF NM110REC NOT EQUAL SPACES )  21460000
05734  021790              MOVE TURN-ON TO EDIT-ERROR-SW                   21470000  02D222
05735  021800              MOVE INDIV-AGE-STAT-ERR4 TO RPT2-ERR-MSG        21480000  02D228
05736  021810              PERFORM 179-BUILD-MASTER-ERROR.                 21490000  02D22E
05737  021820      IF INDIV-TAG-NMBR-ALPHAB NOT ALPHABETIC OR              21500000  02D24A
05738  021830         INDIV-TAG-NMBR-DIGIT NOT NUMERIC AND                 21510000
05739  021840         INDIV-TAG-NBR OF NM110REC NOT EQUAL SPACES           21520000
05740  021850              MOVE TURN-ON TO EDIT-ERROR-SW                   21530000  02D27C
05741  021860              MOVE INDIV-TAG-NBR OF NM110REC TO TAG-NBR-ERROR 21540000  02D282
05742  021870              MOVE TAG-NUMBR-ERROR TO RPT2-ERR-MSG            21550000  02D288
05743  021880              PERFORM 179-BUILD-MASTER-ERROR.                 21560000  02D28E
05744  021890*                                                            20880000
05745  021900* EDIT ADDED 2/84 BY EFF                                      20820000
05746  021910      IF (INDIV-TAG-NBR OF NM110REC NOT = SPACES)             20830000  02D2AA
05747  021920          AND (INDIV-STATUS OF NM110REC GREATER THAN 3        20840000
05748  021930          OR LESS THAN 1)                                     20840000
05749  021940              MOVE TURN-ON TO EDIT-ERROR-SW                   20850000  02D2D0
05750  021950              MOVE STATUS-NBR-ERR TO RPT2-ERR-MSG             20860000  02D2D6
05751  021960              PERFORM 179-BUILD-MASTER-ERROR.                 20870000  02D2DC
05752  021970* END OF ADDITION EFF                                         20880000
05753  021980*                                                            20880000
05754  021990*****************************************************************21570000
05755  022000*                                                            21580000
05756  022010 155-EDIT-ANNULUS-REC.                                       21590000
05757  022020      MOVE 1 TO WK-SUB.                                       21600000  02D302
05758  022030      PERFORM 156-FIND-LAST-DIST-TO-ANL                       21610000  02D308
05759  022040          UNTIL ANL-DIST OF NM110REC (WK-SUB) NOT NUMERIC     21620000
05760  022050            OR ANL-DIST OF NM110REC (WK-SUB) EQUAL ZEROS.     21630000
05761  022060      IF WK-SUB NOT EQUAL 1                                   21640000  02D35C
05762  022070          COMPUTE WK-SUB = WK-SUB - 1.                        21650000  02D36C
05763  022080*****************************************************************21660000
05764  022090*       DEBUG 3/83 LRL                                        21670000
05765  022100*     IF SEQUENCE-NUMBER OF NM110REC EQUAL '7499999' AND      21680000
05766  022110*        SPECIES-CODE OF NM110REC EQUAL '8747010105' AND      21690000
05767  022120*        LINE-NUMBER-OF-NM110REC EQUAL '013'                  21700000
05768  022130*            DISPLAY 'DEBUG-2 ' ANL-MARGIN-INCR OF NM110REC   21710000
05769  022140*                    ' ' ANL-DIST OF NM110REC (WK-SUB) ' '    21720000
05770  022150*                    ANL-LTH-TO-EDGE OF NM110REC ' '          21730000
05771  022160*                    WK-SUB .                                 21740000
05772  022170*****************************************************************21750000
05773  022180*     ADDED PER MEMO 2/25/83 FROM EPPERLY BY LRL              21760000
05774  022190      IF ANL-MARGIN-INCR-R OF NM110REC NOT NUMERIC            21770000  02D37A
05775  022200          IF ANL-DIST OF NM110REC (WK-SUB) NUMERIC            21780000  02D388
```

```
05776  022210          IF ANL-DIST OF NM110REC (WK-SUB) NOT GREATER          21790000  02D3B0
05777  022220            ANL-LTH-TO-EDGE-R OF NM110REC                      21800000
05778  022230                 COMPUTE ANL-MARGIN-INCR-R OF NM110REC =       21810000  02D3C6
05779  022240                      ANL-LTH-TO-EDGE-R OF NM110REC - ANL-DIST 21820000
05780  022250                           OF NM110REC (WK-SUB)                 21830000
05781  022260              ELSE                                              21840000
05782  022270*                 ADDED 4/83 LRL TO CORRECT OMISSION OF TEST     21850000
05783  022280                  MOVE TURN-ON TO EDIT-ERROR-SW                  21860000  02D3E6
05784  022290                  MOVE LNGTH-LAST-ANNL-INCONSIS TO RPT2-ERR-MSG  21870000  02D3EC
05785  022300                  PERFORM 179-BUILD-MASTER-ERROR                 21880000  02D3F2
05786  022310                  MOVE ZEROS TO ANL-MARGIN-INCR-R OF NM110REC    21890000  02D40E
05787  022320        ELSE                                                     21900000
05788  022330             MOVE ANL-LTH-TO-EDGE OF NM110REC TO                 21910000  02D41C
05789  022340                  ANL-MARGIN-INCR OF NM110REC.                   21920000
05790  022350*                                                               21930000
05791  022360       IF ANL-DIST OF NM110REC (WK-SUB) NUMERIC AND              21940000  02D422
05792  022370          ANL-DIST OF NM110REC (WK-SUB) NOT EQUAL ZERO           21950000
05793  022380           COMPUTE COMP-LEN = ANL-MARGIN-INCR-R OF NM110REC +    21960000  02D45A
05794  022390                  ANL-DIST OF NM110REC (WK-SUB)                  21970000
05795  022400           ELSE                                                  21980000
05796  022410              MOVE ANL-MARGIN-INCR-R OF NM110REC TO COMP-LEN.    21990000  02D47A
05797  022420       IF COMP-LEN NOT = ANL-LTH-TO-EDGE-R OF NM110REC           22000000  02D484
05798  022430           MOVE TURN-ON TO EDIT-ERROR-SW                         22010000  02D49A
05799  022440           MOVE ANL-LTH-TO-EDGE-ERR TO RPT2-ERR-MSG              22020000  02D4A0
05800  022450           PERFORM 179-BUILD-MASTER-ERROR.                       22030000  02D4A6
05801  022460     MOVE TURN-OFF TO DECREASE-SW, MISSING-DISTANCE-SW.          22040000  02D4C2
05802  022470     MOVE WK-SUB TO WK-SUB-2.                                    22050000  02D4CE
05803  022480     SUBTRACT 1 FROM WK-SUB-2.                                   22060000  02D4D8
05804  022490* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  22070000
05805  022500*    WK-SUB HAS INDEX OF LAST NUMERIC DIST TO ANL              *  22080000
05806  022510*    WK-SUB2 IS ONE LESS THAN WK-SUB                           *  22090000
05807  022520* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  22100000
05808  022530     MOVE 1 TO WORK-CNT.                                         22110000  02D4E6
05809  022540     IF WK-SUB-2 GREATER ZERO                                    22120000  02D4EC
05810  022550         PERFORM 157-TEST-DISTANCE-INCREASE                      22130000  02D4FC
05811  022560             VARYING WK-SUB FROM WK-SUB BY MINUS-1               22140000
05812  022570             UNTIL WK-SUB LESS THAN 2.                           22150000
05813  022580* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  22160000
05814  022590*  THE FOLLOWING CODE CHECKS THE ONLY DISTANCE                *  22170000
05815  022600*  NOT COVERED IN THE ABOVE LOOP - 1ST DIST.                   *  22180000
05816  022610* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  22190000
05817  022620     IF ANL-DIST OF NM110REC (1) NUMERIC AND                     22200000  02D54A
05818  022630     ANL-DIST OF NM110REC (1) = ZEROS                            22210000
05819  022640         MOVE TURN-ON TO MISSING-DISTANCE-SW.                    22220000  02D56C
05820  022650     IF ANL-AGE-R OF NM110REC EQUAL ZEROS AND                    22230000  02D572
05821  022660     ANL-LTH-TO-EDGE OF NM110REC NOT EQUAL ANL-MARGIN-INCR-R     22240000
05822  022670         OF NM110REC                                             22250000
05823  022680         MOVE TURN-ON TO EDIT-ERROR-SW                           22260000  02D58C
05824  022690         MOVE NONEQUAL-LTH-AND-MARGIN TO RPT2-ERR-MSG            22270000  02D592
05825  022700         PERFORM 179-BUILD-MASTER-ERROR.                         22280000  02D598
05826  022710     IF NO-DECREASE                                              22290000  02D5B4
05827  022720         MOVE TURN-ON-TO EDIT-ERROR-SW                           22300000  02D5C0
05828  022730         MOVE ANL-DIST-ERROR TO RPT2-ERR-MSG                     22310000  02D5C6
05829  022740         PERFORM 179-BUILD-MASTER-ERROR.                         22320000  02D5CC
```

```
05830   022750      IF WORK-CNT GREATER THAN ANL-AGE-R OF NM110REC AND          22330000   02D5E8
05831   022760                  ANL-AGE-R OF NM110REC GREATER ZERO              22340000
05832   022770          MOVE TURN-ON TO EDIT-ERROR-SW                           22350000   02D60C
05833   022780          MOVE NBR-ANL-DIST-GT-AGE TO RPT2-ERR-MSG                22360000   02D612
05834   022790          PERFORM 179-BUILD-MASTER-ERROR.                         22370000   02D618
05835   022800*****************************************************************22380000
05836   022810*  DEBUG CHECK 1/83 LRL                                           22390000
05837   022820*     IF SEQUENCE-NUMBER OF NM110REC EQUAL '7900989' OR           22400000
05838   022830*        SEQUENCE-NUMBER OF NM110REC EQUAL '7900990'              22410000
05839   022840*     DISPLAY 'DEBUG-A ' SPECIES-GROUP OF NM110REC ' '            22420000
05840   022850*             LAST-SPECIES-GROUP ' ' SAVE-INDIV-AGE-STATUS.       22430000
05841   022860*****************************************************************22440000
05842   022870*   CHANGE FIRST PART OF IF TEST - ASSUMPTION THAT ONLY ONE ANNULU22450000
05843   022880*   RECORD PER INDIVIDUAL IN FILE                                 22460000
05844   022890      IF SAVE-INDIV-AGE-STATUS EQUAL '2'                          22470000   02D634
05845   022900          MOVE SPACES TO SAVE-INDIV-AGE-STATUS                    22480000   02D640
05846   022910      ELSE                                                        22490000
05847   022920          MOVE TURN-ON TO EDIT-ERROR-SW                           22500000   02D648
05848   022930          MOVE IND-AGE-STAT-ERR TO RPT2-ERR-MSG                   22510000   02D64E
05849   022940          PERFORM 179-BUILD-MASTER-ERROR.                         22520000   02D654
05850   022950*   ADDED 5/83 PER DISCUSSION WITH EPPERLY BY LRL                 22530000
05851   022960      IF SAVE-INDIV-AGE-R NUMERIC AND ANL-AGE-R OF NM110REC NUMERIC22540000   02D670
05852   022970          IF SAVE-INDIV-AGE-R NOT EQUAL ANL-AGE-R OF NM110REC     22550000   02D690
05853   022980              MOVE TURN-ON TO EDIT-ERROR-SW                       22560000   02D6A6
05854   022990              MOVE AGE-CONFLICT TO RPT2-ERR-MSG                   22570000   02D6AC
05855   023000              PERFORM 179-BUILD-MASTER-ERROR.                     22580000   02D6B2
05856   023010*****************************************************************22590000
05857   023020*                  DEBUG 10/83 LRL                                22600000
05858   023030*     IF SEQUENCE-NUMBER OF NM110REC EQUAL 8299995                22610000
05859   023040*        DISPLAY ' DEBUG-Y ' SAVE-INDIV-SPAWN-MARK ' '            22620000
05860   023050*          NUM-OF-SPAWN-MARKS OF NM110REC ' ' SAVE-INDIV-LINE     22630000
05861   023060*          ' ' LINE-NUMBER OF NM110REC .                          22640000
05862   023070*****************************************************************22650000
05863   023080*   ADDED PER MEMO 7/14/83  10                                   22660000
05864   023090      IF SAVE-INDIV-SPAWN-MARK-R NUMERIC AND                      22670000   02D6CE
05865   023100              NUM-OF-SPAWN-MARKS-R OF NM110REC NUMERIC            22680000
05866   023110          IF SAVE-INDIV-SPAWN-MARK-R NOT EQUAL                    22690000   02D6EE
05867   023120                      NUM-OF-SPAWN-MARKS-R OF NM110REC            22700000
05868   023130              MOVE TURN-ON TO EDIT-ERROR-SW                       22710000   02D704
05869   023140              MOVE SAVE-INDIV-SPAWN-MARK TO INDIV-SPWN            22720000   02D70A
05870   023150              MOVE NUM-OF-SPAWN-MARKS OF NM110REC TO ANNL-SPWN    22730000   02D710
05871   023160              MOVE SPAWN-CONFLICT TO RPT2-ERR-MSG                 22740000   02D716
05872   023170              PERFORM 179-BUILD-MASTER-ERROR.                     22750000   02D71C
05873   023180*                                                                 22760000
05874   023190 156-FIND-LAST-DIST-TO-ANL.                                       22770000
05875   023200      ADD 1 TO WK-SUB.                                            22780000   02D742
05876   023210*                                                                 22790000
05877   023220 157-TEST-DISTANCE-INCREASE.                                      22800000
05878   023230      IF ANL-DIST OF NM110REC (WK-SUB) NOT NUMERIC                22810000   02D756
05879   023240        OR ANL-DIST OF NM110REC (WK-SUB) = ZEROS                  22820000
05880   023250            MOVE TURN-ON TO MISSING-DISTANCE-SW                   22830000   02D78E
05881   023260      ELSE                                                        22840000
05882   023270          ADD 1 TO WORK-CNT                                       22850000   02D798
05883   023280          IF ANL-DIST OF NM110REC (WK-SUB)                        22860000   02D7A2
```

```
05830   022750      IF WORK-CNT GREATER THAN ANL-AGE-R OF NM110REC AND          22330000   02D5E8
05831   022760                  ANL-AGE-R OF NM110REC GREATER ZERO              22340000
05832   022770          MOVE TURN-ON TO EDIT-ERROR-SW                           22350000   02D60C
05833   022780          MOVE NBR-ANL-DIST-GT-AGE TO RPT2-ERR-MSG                22360000   02D612
05834   022790          PERFORM 179-BUILD-MASTER-ERROR.                         22370000   02D618
05835   022800*****************************************************************22380000
05836   022810* DEBUG CHECK 1/83 LRL                                            22390000
05837   022820*     IF SEQUENCE-NUMBER OF NM110REC EQUAL '7900989' OR           22400000
05838   022830*        SEQUENCE-NUMBER OF NM110REC EQUAL '7900990'              22410000
05839   022840*     DISPLAY 'DEBUG-A ' SPECIES-GROUP OF NM110REC ' '            22420000
05840   022850*             LAST-SPECIES-GROUP ' ' SAVE-INDIV-AGE-STATUS.       22430000
05841   022860*****************************************************************22440000
05842   022870*    CHANGE FIRST PART OF IF TEST - ASSUMPTION THAT ONLY ONE ANNULU22450000
05843   022880*    RECORD PER INDIVIDUAL IN FILE                                22460000
05844   022890      IF SAVE-INDIV-AGE-STATUS EQUAL '2'                          22470000   02D634
05845   022900          MOVE SPACES TO SAVE-INDIV-AGE-STATUS                    22480000   02D640
05846   022910      ELSE                                                        22490000
05847   022920          MOVE TURN-ON TO EDIT-ERROR-SW                           22500000   02D648
05848   022930          MOVE IND-AGE-STAT-ERR TO RPT2-ERR-MSG                   22510000   02D64E
05849   022940          PERFORM 179-BUILD-MASTER-ERROR.                         22520000   02D654
05850   022950*    ADDED 5/83 PER DISCUSSION WITH EPPERLY BY LRL                22530000
05851   022960      IF SAVE-INDIV-AGE-R NUMERIC AND ANL-AGE-R OF NM110REC NUMERIC22540000   02D670
05852   022970          IF SAVE-INDIV-AGE-R NOT EQUAL ANL-AGE-R OF NM110REC     22550000   02D690
05853   022980              MOVE TURN-ON TO EDIT-ERROR-SW                       22560000   02D6A6
05854   022990              MOVE AGE-CONFLICT TO RPT2-ERR-MSG                   22570000   02D6AC
05855   023000              PERFORM 179-BUILD-MASTER-ERROR.                     22580000   02D6B2
05856   023010*****************************************************************22590000
05857   023020*                  DEBUG 10/83 LRL                                22600000
05858   023030*     IF SEQUENCE-NUMBER OF NM110REC EQUAL 8299995                22610000
05859   023040*         DISPLAY ' DEBUG-Y ' SAVE-INDIV-SPAWN-MARK ' '           22620000
05860   023050*           NUM-OF-SPAWN-MARKS OF NM110REC ' ' SAVE-INDIV-LINE    22630000
05861   023060*           ' ' LINE-NUMBER OF NM110REC .                         22640000
05862   023070*****************************************************************22650000
05863   023080*    ADDED PER MEMO 7/14/83   10                                  22660000
05864   023090      IF SAVE-INDIV-SPAWN-MARK-R NUMERIC AND                      22670000   02D6CE
05865   023100              NUM-OF-SPAWN-MARKS-R OF NM110REC NUMERIC            22680000
05866   023110          IF SAVE-INDIV-SPAWN-MARK-R NOT EQUAL                    22690000   02D6EE
05867   023120                      NUM-OF-SPAWN-MARKS-R OF NM110REC            22700000
05868   023130              MOVE TURN-ON TO EDIT-ERROR-SW                       22710000   02D704
05869   023140              MOVE SAVE-INDIV-SPAWN-MARK TO INDIV-SPWN            22720000   02D70A
05870   023150              MOVE NUM-OF-SPAWN-MARKS OF NM110REC TO ANNL-SPWN    22730000   02D710
05871   023160              MOVE SPAWN-CONFLICT TO RPT2-ERR-MSG                 22740000   02D716
05872   023170              PERFORM 179-BUILD-MASTER-ERROR.                     22750000   02D71C
05873   023180*                                                                 22760000
05874   023190 156-FIND-LAST-DIST-TO-ANL.                                       22770000
05875   023200      ADD 1 TO WK-SUB.                                            22780000   02D742
05876   023210*                                                                 22790000
05877   023220 157-TEST-DISTANCE-INCREASE.                                      22800000
05878   023230      IF ANL-DIST OF NM110REC (WK-SUB) NOT NUMERIC                22810000   02D756
05879   023240        OR ANL-DIST OF NM110REC (WK-SUB) = ZEROS                  22820000
05880   023250            MOVE TURN-ON TO MISSING-DISTANCE-SW                   22830000   02D78E
05881   023260      ELSE                                                        22840000
05882   023270          ADD 1 TO WORK-CNT                                       22850000   02D798
05883   023280          IF ANL-DIST OF NM110REC (WK-SUB)                        22860000   02D7A2
```

```
05884  023290                NOT GREATER THAN ANL-DIST OF NM110REC (WK-SUB-2)    22870000
05885  023300                    MOVE TURN-ON TO DECREASE-SW.                    22880000  02D70C
05886  023310          SUBTRACT 1 FROM WK-SUB-2.                                 22890000  02D7EA
05887  023320*                                                                  22900000
05888  023330 158-EDIT-TAG-RECAPT-REC.                                          22910000
05889  023340*************************************************************      22920000
05890  023350*                      DEBUG 9/83 LRL                              22930000
05891  023360*     IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299991'               22940000
05892  023370*         DISPLAY 'DEBUG-U ' RECAPTURE-DATE OF NM110REC ' '        22950000
05893  023380*           SAVE-ENVIR-DATE.                                       22960000
05894  023390*************************************************************      22970000
05895  023400*     EDIT RECAPT DATE WITH ENVIR DATE 8/83                        22980000
05896  023410          IF RECAPTURE-DATE-R NUMERIC AND SAVE-ENVIR-DATE-R NUMERIC 22990000  02D7FE
05897  023420                    AND RECAPTURE-DATE-R NOT EQUAL ZEROS           23000000
05898  023430                    AND SAVE-ENVIR-DATE-R NOT EQUAL ZEROS          23010000
05899  023440            PERFORM 1588-COMPARE-DATES.                           23020000  02D83E
05900  023450          IF TAG-NUMBER-DIGIT NOT NUMERIC OR TAG-NUMBER-ALPHAB NOT 23030000  02D856
05901  023460              ALPHABETIC                                          23040000
05902  023470                  MOVE TURN-ON TO EDIT-ERROR-SW                   23050000  02D876
05903  023480                  MOVE TAG-NUMBER OF NM110REC TO TAG-NBR-ERROR    23060000  02D87C
05904  023490                  MOVE TAG-NUMBR-ERROR TO RPT2-ERR-MSG            23070000  02D882
05905  023500                  PERFORM 179-BUILD-MASTER-ERROR.                 23080000  02D888
05906  023510          IF TAG-NUMBR-CNTR NOT EQUAL ZERO                        23090000  02D8A4
05907  023520            PERFORM 158C-SEARCH-TAG-NUMBER-TABLE VARYING          23100000  02D8B4
05908  023530                              TAG-SUBSCR FROM 1 BY 1 UNTIL (TAG-SUBSCR 23110000
05909  023540                              GREATER TAG-NUMBR-CNTR OR TAG-MATCHED) 23120000
05910  023550          ELSE                                                    23130000
05911  023560              MOVE 1 TO TAG-NUMBR-CNTR                            23140000  02D906
05912  023570              MOVE 1 TO TAG-SUBSCR                                23150000  02D90C
05913  023580              MOVE TAG-NUMBER OF NM110REC TO TAG-RECAPT-TAG-NUMBR (1). 23160000  02D912
05914  023590          IF TAG-MATCHED                                          23170000  02D91C
05915  023600              MOVE TURN-OFF TO TAG-MATCHED-SW                     23180000  02D924
05916  023610*************************************************************      23190000
05917  023620**    ABENDS IF MORE THAN 600 RECAPTURES                          23200000
05918  023630**    ADDED 1/84 BY B. CRIDER                                     23210000
05919  023640*************************************************************      23220000
05920  023650**    ABENDS IF MORE THAN 3000 RECAPTURES                         23200000
05921  023660**    CHANGED 04/03/84 BY EFF                                     23210000
05922  023670*************************************************************      23220000
05923  023680          ELSE                                                    23230000
05924  023690              IF TAG-NUMBR-CNTR  3000                             23240000  02D92E
05925  023700                  DISPLAY 'RECAPTURES EXCEED 3000'                23250000  02D93A
05926  023710                  ADD 1 TO CAUSE-ABEND                            23260000  02D94E
05927  023720              ELSE                                                23270000
05928  023730                ADD 1 TO TAG-NUMBR-CNTR                           23280000  02D968
05929  023740              MOVE TAG-NUMBER OF NM110REC TO                      23290000  02D974
05930  023750                              TAG-RECAPT-TAG-NUMBR (TAG-NUMBR-CNTR) . 23300000
05931  023760*                 7/14/83 PARA .7 9/83                            23310000
05932  023770*************************************************************      23320000
05933  023780*                      DEBUG 9/83 LRL                              23330000
05934  023790*     IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299991' OR            23340000
05935  023800*     SEQUENCE-NUMBER OF NM110REC EQUAL '8299994'                  23350000
05936  023810*       DISPLAY 'DEBUG-W ' SEQUENCE-NUMBER OF NM110REC ' '         23360000
05937  023820*         SAVE-TAG-RECAPT-TAG1 ' '                                 23370000
```

```
05938  023830*          SAVE-TAG-RECAPT-TAG2 * * TAG-TYPE OF NM110REC * *      23380000
05939  023840*          SAVE-SPE-TAG1 * * SAVE-SPE-TAG2 .                      23390000
05940  023850*****************************************************************23400000
05941  023860*                                                                 23400000
05942  023870* ADDED BY EFF 03/23/84                                           23400000
05943  023880      IF SPECIES-FOUND                                                    02D998
05944  023890* END OF ADDITION BY EFF                                          23400000
05945  023900*                                                                 23400000
05946  023910      IF SAVE-TAG-RECAPT-TAG1 EQUAL SPACES AND                    23410000  02D9A0
05947  023920        (TAG-TYPE OF NM110REC EQUAL SAVE-SPE-TAG1 OR              23420000
05948  023930         TAG-TYPE OF NM110REC EQUAL SAVE-SPE-TAG2)                23430000
05949  023940        MOVE TAG-TYPE OF NM110REC TO SAVE-TAG-RECAPT-TAG1         23440000  02D9BC
05950  023950        ADD 1 TO SAVE-TAG-RECAPT-TAG1-CNTR                        23450000  02D9C2
05951  023960      ELSE                                                        23460000
05952  023970        IF SAVE-TAG-RECAPT-TAG1 EQUAL TAG-TYPE OF NM110REC        23470000  02D9DC
05953  023980          ADD 1 TO SAVE-TAG-RECAPT-TAG1-CNTR                      23480000  02D9E6
05954  023990        ELSE                                                      23490000
05955  024000          IF SAVE-TAG-RECAPT-TAG2 EQUAL SPACES AND                23500000  02DA00
05956  024010              (TAG-TYPE OF NM110REC EQUAL SAVE-SPE-TAG1 OR        23510000
05957  024020               TAG-TYPE OF NM110REC EQUAL SAVE-SPE-TAG2)          23520000
05958  024030            MOVE TAG-TYPE OF NM110REC TO                          23530000  02DA1C
05959  024040                 SAVE-TAG-RECAPT-TAG2                             23540000
05960  024050            ADD 1 TO SAVE-TAG-RECAPT-TAG2-CNTR                    23550000  02DA22
05961  024060          ELSE                                                    23560000
05962  024070            IF SAVE-TAG-RECAPT-TAG2 EQUAL TAG-TYPE                23570000  02DA3C
05963  024080                                          OF NM110REC             23580000
05964  024090              ADD 1 TO SAVE-TAG-RECAPT-TAG2-CNTR                  23590000  02DA46
05965  024100            ELSE                                                  23600000
05966  024110              MOVE TURN-ON TO EDIT-ERROR-SW                       23610000  02DA60
05967  024120              MOVE TAG-TYPE OF NM110REC TO ERR-TAG-TYPE           23620000  02DA66
05968  024130              MOVE TAG-TYPE-ERROR TO RPT2-ERR-MSG                 23630000  02CA6C
05969  024140              PERFORM 179-BUILD-MASTER-ERROR.                     23640000  02DA72
05970  024150*                                                                2088 0000
05971  024160* EDIT ADDED 2/84 BY EFF                                          2082 0000
05972  024170      IF DIST-TRAVELED OF NM110REC NOT = SPACES                   2083 0000  02DA8E
05973  024180        AND RECAPTURE-LOC OF NM110REC = SPACES                    2084 0000
05974  024190          MOVE TURN-ON TO EDIT-ERROR-SW                           2085 0000  02DAB6
05975  024200          MOVE DIST-TRAVELED OF NM110REC TO ERR-DISTANCE-TRAVELED 2086 0000  02DABC
05976  024210          MOVE DIST-TRAVELED-ERR TO RPT2-ERR-MSG                  2086 0000  02DAC2
05977  024220          PERFORM 179-BUILD-MASTER-ERROR.                         2087 0000  02DAC8
05978  024230* END OF ADDITION EFF                                            2088 0000
05979  024240*                                                                 2365 0000
05980  024250*                                                                 2366 0000
05981  024260 158A-DATE-ROUTINE.                                               2367 0000
05982  024270      MOVE ZEROS TO CNVT-SDN, CNVT-JULIAN5, CNVT-JULIAN7,         2368 0000  02DAEE
05983  024280                    CNVT-MDY8, CNVT-YMD8, CNVT-ALPHA-ABBRV,       2369 0000
05984  024290                    CNVT-ALPHA-DATE, CNVT-DAY-OF-THE-WEEK,        2370 0000
05985  024300                    CNVT-MDY6 .                                   2371 0000
05986  024310      MOVE 'DATECNVT' TO DATE-PROGRAM.                            2372 0000  02DB38
05987  024320      CALL DATE-PROGRAM USING DATECALC-LINKAGE.                   2373 0000  02DB3E
05988  024330*                                                                2374 0000
05989  024340 158B-COMPARE-DATES.                                              2375 0000
05990  024350      MOVE RECAPTURE-DATE-R TO CNVT-YMD6.                         2376 0000  02DB7E
05991  024360      PERFORM 158A-DATE-ROUTINE.                                  2377 0000  02DB84
```

```
05992  024370          MOVE CNVT-SDN TO SDN-RECAPT-DATE.                    23780000  02DB9C
05993  024380          MOVE SAVE-ENVIR-DATE-R TO CNVT-YMD6.                 23790000  02DBA6
05994  024390          PERFORM 158A-DATE-ROUTINE.                           23800000  02DBAC
05995  024400          MOVE CNVT-SDN TO SDN-ENVIR-DATE.                     23810000  02DBC8
05996  024410*****************************************************************23820000
05997  024420*                    DEBUG 9/83 LRL                             23830000
05998  024430*    IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299991'             23840000
05999  024440*        DISPLAY 'DEBUG-V ' RECAPTURE-DATE OF NM110REC          23850000
06000  024450*          ' ' SAVE-ENVIR-DATE                                  23860000
06001  024460*          ' ' SDN-ENVIR-DATE ' ' SDN-RECAPT-DATE.              23870000
06002  024470*****************************************************************23880000
06003  024480          IF SDN-ENVIR-DATE GREATER   SDN-RECAPT-DATE AND      23890000  02DBD2
06004  024490                        SDN-RECAPT-DATE NOT EQUAL 9999999      23900000
06005  024500             MOVE TURN-ON TO EDIT-ERROR-SW                     23910000  02DBFC
06006  024510             MOVE RECAPTURE-DATE-R TO ERR-RECAPT-DATE          23920000  02DC02
06007  024520             MOVE SAVE-ENVIR-DATE-R TO ERR-ENVIR-DATE          23930000  02DC08
06008  024530             MOVE DATE-REC1-REC9-ERROR TO RPT2-ERR-MSG         23940000  02DC0E
06009  024540             PERFORM 179-BUILD-MASTER-ERROR                    23950000  02DC14
06010  024550          ELSE IF SDN-RECAPT-DATE EQUAL 9999999                23960000  02DC38
06011  024560             MOVE TURN-ON TO EDIT-ERROR-SW                     23970000  02DC48
06012  024570             MOVE RECAPTURE-DATE-R TO Z-RECAPT-DATE            23980000  02DC4E
06013  024580             MOVE SAVE-ENVIR-DATE-R TO Z-ENVIR-DATE            23990000  02DC54
06014  024590             MOVE TAG-OR-SPE-ZERO-FIELD TO RPT2-ERR-MSG        24000000  02DC5A
06015  024600             PERFORM 179-BUILD-MASTER-ERROR                    24010000  02DC60
06016  024610             PERFORM 158D-ADJUST-ZERO-DATE.                    24020000  02DC7C
06017  024620      IF DAYS-OUT OF NM110REC NUMERIC AND SDN-RECAPT-DATE,     24030000  02DC98
06018  024630                              NOT EQUAL 9999999                24040000
06019  024640          SUBTRACT SDN-ENVIR-DATE FROM SDN-RECAPT-DATE GIVING  24050000  02DCBA
06020  024650                   SDN-DATE-DIFF ROUNDED                       24060000
06021  024660*****************************************************************24070000
05022  024670*                    DEBUG 9/83 LRL                             24080000
06023  024680*    IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299991'             24090000
06024  024690*        DISPLAY 'DEBUG-T ' SDN-ENVIR-DATE ' ' SDN-RECAPT-DATE  24100000
06025  024700*          ' ' DAYS-OUT-R ' ' SDN-DATE-DIFF                     24110000
06026  024710*****************************************************************24120000
06027  024720          IF DAYS-OUT-R OF NM110REC NOT EQUAL SDN-DATE-DIFF    24130000  02DCD6
06028  024730             MOVE TURN-ON TO EDIT-ERROR-SW                     24140000  02DCEC
06029  024740             MOVE SDN-DATE-DIFF TO ERR-DAYS-DIFF               24150000  02DCF2
06030  024750             MOVE DAYS-OUT OF NM110REC TO ERR-DAYS-OUT         24160000  02DCFC
06031  024760             MOVE RECAPT-DAYS-OUT-ERR TO RPT2-ERR-MSG          24170000  02DD06
06032  024770             PERFORM 179-BUILD-MASTER-ERROR.                   24180000  02DD0C
06033  024780      IF DAYS-OUT OF NM110REC NUMERIC AND SDN-RECAPT-DATE      24190000  02DD28
06034  024790                              EQUAL 9999999                    24200000
06035  024800          MOVE TURN-ON TO EDIT-ERROR-SW                        24210000  02DD4A
06036  024810          MOVE DAYS-OUT OF NM110REC TO DAY-OUT-CONFLICT        24220000  02DD50
06037  024820          MOVE TAG-RECAPT-DATE-CONFLICT TO RPT2-ERR-MSG        24230000  02DD56
06038  024830          PERFORM 179-BUILD-MASTER-ERROR.                      24240000  02DD5C
06039  024840*                                                             24250000
06040  024850-15RC-SEARCH-TAG-NUMBER-TABLE.                                24260000
06041  024860      IF TAG-RECAPT-TAG-NUMBR (TAG-SUBSCR) EQUAL TAG-NUMBER    24270000  02DD82
06042  024870                                          OF NM110REC          24280000
06043  024880          MOVE TURN-ON TO EDIT-ERROR-SW                        24290000  02DDAA
06044  024890          MOVE TURN-ON TO TAG-MATCHED-SW                       24300000  02DDB0
06045  024900          MOVE TAG-NUMBER OF NM110REC TO TAG-NMBR-ERROR        24310000  02DDB6
```

```
06046  024910          MOVE TAG-NUMBER-REPEATED TO RPT2-ERR-MSG          24320000  02DD8C
06047  024920          PERFORM 179-BUILD-MASTER-ERROR.                   24330000  02DDC2
06048  024930*                                                          24340000
06049  024940 158D-ADJUST-ZERO-DATE.                                    24350000
06050  024950      MOVE RECAPTURE-DATE-R TO ADJUST-ZERO-DATE.           24360000  02DDE8
06051  024960      IF ZERO-MM EQUAL ZERO                                24370000  02DDEE
06052  024970          MOVE 01 TO ZERO-MM.                              24380000  02DDFE
06053  024980      IF ZERO-DD EQUAL ZERO                                24390000  02DE04
06054  024990          MOVE 01 TO ZERO-DD.                              24400000  02DE14
06055  025000      MOVE ADJUST-ZERO-DATE TO CNVT-YMD6.                  24410000  02DE1A
06056  025010      PERFORM 158A-DATE-ROUTINE.                           24420000  02DE20
06057  025020      MOVE CNVT-SDN TO SDN-RECAPT-DATE.                    24430000  02DE38
06058  025030      IF SDN-ENVIR-DATE GREATER SDN-RECAPT-DATE            24440000  02DE42
06059  025040              MOVE TURN-ON TO EDIT-ERROR-SW                24450000  02DE5C
06060  025050              MOVE RECAPTURE-DATE-R TO ERR-RECAPT-DATE     24460000  02DE62
06061  025060              MOVE SAVE-ENVIR-DATE-R TO ERR-ENVIR-DATE     24470000  02DE68
06062  025070              MOVE DATE-REC1-REC9-ERROR TO RPT2-ERR-MSG    24480000  02DE6E
06063  025080              PERFORM 179-BUILD-MASTER-ERROR.              24490000  02DE74
06064  025090      MOVE 9999999 TO SDN-RECAPT-DATE.                     24500000  02DE90
06065  025100*                                                          24510000
06066  025110 160-EQUAL-DELETE-TRANS.                                   24520000
06067  025120*                                                          24530000
06068  025130* MASTER, NOT TRANS IS SOURCE FOR DELETE LINE IN RPT 1.    24540000
06069  025140*                                                          24550000
06070  025150      MOVE REC-DEL TO RPT1-MESSAGE.                        24560000  02DEA0
06071  025160      ADD 1 TO NBR-RECS-DEL.                               24570000  02DEA6
06072  025170      PERFORM 135-BUILD-RPT1.                              24580000  02DEB0
06073  025180      MOVE TURN-ON TO WRITE-RPT1-SW.                       24590000  02DECC
06074  025190      MOVE TURN-ON TO READ-MSTR-SW.                        24600000  02DED2
06075  025200*                                                          24610000
06076  025210 170-MASTER-LOW.                                           24620000
06077  025220      MOVE TURN-ON TO READ-MSTR-SW.                        24630000  02DEE2
06078  025230      MOVE TURN-ON TO WRITE-NEWMSTR-SW.                    24640000  02DEE8
06079  025240*                                                          24650000
06080  025250 177-BUILD-TRANS-ERROR.                                    24660000
06081  025260      MOVE RECORD-TYPE OF NM100REC TO RPT1-REC-TYPE.       24670000  02DEF4
06082  025270      MOVE SEQUENCE-NUMBER OF NM100REC TO RPT1-SEQ-NBR.    24680000  02DEFA
06083  025280      MOVE REPLICATE-NUMBER OF NM100REC TO RPT1-REP-NBR.   24690000  02DF00
06084  025290      MOVE SPECIES-CODE OF NM100REC TO RPT1-SPECIES-CODE.  24700000  02DF06
06085  025300      MOVE SPECIES-STATUS OF NM100REC TO RPT1-SPECIES-STATUS. 24710000  02DF0C
06086  025310      MOVE LINE-NUMBER OF NM100REC TO RPT1-LINE-NBR.       24720000  02DF12
06087  025320      IF INDIV-RECORD OR SPECIES-RECORD OR ANNULUS-RECORD  24730000  02DF18
06088  025330          MOVE DASH TO RPT1-DASH                           24740000  02DF30
06089  025340      ELSE                                                 24750000
06090  025350          MOVE SPACES TO RPT1-DASH.                        24760000  02DF3A
06091  025360      ADD 1 TO REC-REJECT-TOT.                             24770000  02DF3E
06092  025370      PERFORM 200-WRITE-RPT1-UPD.                          24780000  02DF48
06093  025380*                                                          24790000
06094  025390 179-BUILD-MASTER-ERROR.                                   24800000
06095  025400      IF DETAIL-LINE-WRITTEN                               24810000  02DF6A
06096  025410          NEXT SENTENCE                                    24820000
06097  025420      ELSE                                                 24830000
06098  025430          MOVE RECORD-TYPE OF NM110REC TO RPT2-REC-TYPE    24840000  02DF76
06099  025440          MOVE SEQUENCE-NUMBER OF NM110REC TO RPT2-SEQ-NBR 24850000  02DF7C
```

```
06100  025450          MOVE REPLICATE-NUMBER OF NM110REC TO RPT2-REP-NBR        24860000  02DF82
06101  025460          MOVE SPECIES-CODE OF NM110REC TO RPT2-SPECIES-CODE       24870000  02DF88
06102  025470          MOVE SPECIES-STATUS OF NM110REC TO RPT2-SPECIES-STATUS   24880000  02DF8E
06103  025480          MOVE LINE-NUMBER OF NM110REC TO RPT2-LINE-NBR            24890000  02DF94
06104  025490          IF MSTR-ANNULUS-RECORD OR MSTR-INDIV-RECORD OR           24900000  02DF9A
06105  025500              MSTR-SPECIES-RECORD                                  24910000
06106  025510                  MOVE DASH TO RPT2-DASH                           24920000  02DFB2
06107  025520          ELSE                                                     24930000
06108  025530              MOVE SPACES TO RPT2-DASH.                            24940000  02DFBC
06109  025540      PERFORM 210-WRITE-RPT2-ERR.                                  24950000  02DFC0
06110  025550*                                                                 24960000
06111  025560 200-WRITE-RPT1-UPD.                                              24970000
06112  025570      MOVE TURN-OFF TO WRITE-RPT1-SW.                              24980000  02DFE2
06113  025580      IF R1-LINE-CNT GREATER THAN 58                               24990000  02DFE8
06114  025590          PERFORM 202-WRITE-RPT1-UPD-HEADING.                      25000000  02DFF2
06115  025600      MOVE TR-DATA TO RPT1-DATA.                                   25010000  02E00A
06116  025610      WRITE UPD-PRT-LINE FROM REPORT1-DETAIL-LINE                  25020000  02E010
06117  025620          AFTER POSITIONING 2.                                     25030000
06118  025630      ADD 2 TO R1-LINE-CNT.                                        25040000  02E05A
06119  025640*                                                                 25050000
06120  025650 202-WRITE-RPT1-UPD-HEADING.                                      25060000
06121  025660      ADD 1 TO R1-PAGE-CNT.                                        25070000  02E06A
06122  025670      MOVE R1-PAGE-CNT TO R1-PAGE-NO.                              25080000  02E074
06123  025680      WRITE UPD-PRT-LINE FROM REPORT1-HEAD1 AFTER POSITIONING 0.   25090000  02E08C
06124  025690      WRITE UPD-PRT-LINE FROM REPORT1-HEAD2 AFTER POSITIONING 2.   25100000  02E0D2
06125  025700      WRITE UPD-PRT-LINE FROM REPORT1-COL-HEAD1                    25110000  02E118
06126  025710          AFTER POSITIONING 2.                                     25120000
06127  025720      WRITE UPD-PRT-LINE FROM REPORT1-COL-HEAD2                    25130000  02E15E
06128  025730          AFTER POSITIONING 1.                                     25140000
06129  025740      MOVE 5 TO R1-LINE-CNT.                                       25150000  02E1A4
06130  025750*                                                                 25160000
06131  025760 210-WRITE-RPT2-ERR.                                              25170000
06132  025770      IF R2-LINE-CNT GREATER THAN 58                               25180000  02E1B0
06133  025780          PERFORM 212-WRITE-RPT2-ERR-HEADING                       25190000  02E1BA
06134  025790          MOVE TURN-ON TO DETAIL-LINE-WRITTEN-SW                   25200000  02E1D2
06135  025800          WRITE ERR-PRT-LINE FROM REPORT2-DETAIL-LINE              25210000  02E1D8
06136  025810              AFTER POSITIONING 2                                  25220000
06137  025820          ADD 2 TO R2-LINE-CNT                                     25230000  02E222
06138  025830      ELSE                                                         25240000
06139  025840          IF DETAIL-LINE-WRITTEN                                   25250000  02E230
06140  025850              MOVE RPT2-ERR-MSG TO LINE2-ERR-MSG                   25260000  02E238
06141  025860              WRITE ERR-PRT-LINE FROM RPT2-DETAIL-LINE2            25270000  02E23E
06142  025870                  AFTER POSITIONING 1                              25280000
06143  025880              ADD 1 TO R2-LINE-CNT                                 25290000  02E284
06144  025890          ELSE                                                     25300000
06145  025900              MOVE TURN-ON TO DETAIL-LINE-WRITTEN-SW               25310000  02E292
06146  025910              WRITE ERR-PRT-LINE FROM REPORT2-DETAIL-LINE          25320000  02E298
06147  025920                  AFTER POSITIONING 2                              25330000
06148  025930          ADD 2 TO R2-LINE-CNT.                                    25340000  02E2DE
06149  025940*                                                                 25350000
06150  025950 212-WRITE-RPT2-ERR-HEADING.                                       25360000
06151  025960      ADD 1 TO R2-PAGE-CNT.                                        25370000  02E2EE
06152  025970      MOVE R2-PAGE-CNT TO R2-PAGE-NO.                              25380000  02E2F8
06153  025980      WRITE ERR-PRT-LINE FROM REPORT2-HEAD1 AFTER POSITIONING 0.   25390000  02E310
```

```
06154  025990     WRITE ERR-PRT-LINE FROM REPORT2-HEAD2 AFTER POSITIONING 2.   25400000  02E356
06155  026000     WRITE ERR-PRT-LINE FROM REPORT2-COL-HEAD1                    25410000  02E39C
06156  026010         AFTER POSITIONING 2.                                     25420000
06157  026020     WRITE ERR-PRT-LINE FROM REPORT2-COL-HEAD2                    25430000  02E3E6
06158  026030         AFTER POSITIONING 1.                                     25440000
06159  026040     MOVE 5 TO R2-LINE-CNT.                                       25450000  02E42C
06160  026050*                                                                 25460000
06161  026060 220-WRITE-NEWMSTR-REC.                                           25470000
06162  026070*****************************************************************25480000
06163  026080*    DEBUG 3/83 LRL                                               25490000
06164  026090*    IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299996' AND           25500000
06165  026100*       SPECIES-GROUP OF NM110REC EQUAL '87470202010'             25510000
06166  026110*            READY TRACE                                          25520000
06167  026120*       ELSE                                                      25530000
06168  026130*         IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299996' AND      25540000
06169  026140*            SPECIES-GROUP OF NM110REC EQUAL '88354407010'        25550000
06170  026150*                RESET TRACE.                                     25560000
06171  026160*****************************************************************25570000
06172  026170     PERFORM 240-RELATIONAL-EDITS.                                25580000  02E438
06173  026180     PERFORM 258-STRUCTURAL-TEST.                                 25590000  02E450
06174  026190     IF MASTER-ACTION                                             25600000  02E470
06175  026200         MOVE TURN-OFF TO MASTER-ACTION-SW                        25610000  02E47C
06176  026210         PERFORM 140-EDIT-ROUTINE                                 25620000  02E482
06177  026220*****************************************************************25630000
06178  026230*    DEBUG CHECK 2/83 LRL                                         25640000
06179  026240*    DISPLAY 'DEBUG-K ' RECORD-TYPE OF NM110REC ' '               25650000
06180  026250*            SPECIES-GROUP OF NM110REC ' '                        25660000
06181  026260*            LINE-NUMBER OF NM110REC                              25670000
06182  026270*****************************************************************25680000
06183  026280         IF NOT MSTR-ENVIR-RECORD AND NOT MSTR-REPLIC-RECORD      25690000  02E49E
06184  026290             PERFORM 225-EDIT-SPECIES-GROUP.                      25700000  02E4B2
06185  026300*    PATCH ADDED 3/83 LRL                                         25710000
06186  026310     IF NOT MASTER-ACTION AND MSTR-ANNULUS-RECORD AND             25720000  02E4CA
06187  026320         SAVE-INDIV-AGE-STATUS EQUAL '2'                          25730000
06188  026330         MOVE SPACES TO SAVE-INDIV-AGE-STATUS.                    25740000  02E4E6
06189  026340*****************************************************************25750000
06190  026350*    DEBUG 3/83 LRL                                               25760000
06191  026360*    DISPLAY 'DEBUG-H ' LAST-LINE-NBR ' ' LINE-NUMBER OF NM110REC 25770000
06192  026370*            ' ' LAST-SPECIES-GROUP ' ' SPECIES-GROUP OF NM110REC. 25780000
06193  026380*****************************************************************25790000
06194  026390     MOVE MSTR-CONTROL TO LAST-RECORD-KEY.                        25800000  02E4EA
06195  026400     MOVE RECORD-TYPE OF NM110REC TO LAST-REC-TYPE.               25810000  02E4F0
06196  026410     MOVE TURN-OFF TO WRITE-NEWMSTR-SW.                           25820000  02E4F6
06197  026420     WRITE NEWMST-REC FROM NM110REC.                              25830000  02E4FC
06198  026430     ADD 1 TO NBR-AFTER-UPDATE.                                   25840000  02E53A
06199  026440     PERFORM 230-SAVE-MASTER-BY-TYPE.                             25850000  02E544
06200  026450*                                                                 25860000
06201  026460 225-EDIT-SPECIES-GROUP.                                          25870000
05202  026470*****************************************************************25880000
06203  026480*  DEBUG CHECK 2/83 LRL                                           25890000
06204  026490*    IF SEQUENCE-NUMBER OF NM110REC EQUAL '7900989' OR            25900000
06205  026500*       SEQUENCE-NUMBER OF NM110REC EQUAL '7900990'               25910000
06206  026510*    DISPLAY 'DEBUG-L ' SPECIES-GROUP OF NM110REC ' '             25920000
06207  026520*            LINE-NUMBER OF NM110REC.                             25930000
```

```
06208  026530*************************************************************** 25940000
06209  026540      SEARCH ALL LATIN-NAME-TABLE                               25950000   02E566
06210  026550          AT END PERFORM 227-UNMATCHED-SPECIES-GROUP             25960000   02E56A
06211  026560          WHEN SPECIES-NUMBER (LATIN-INDEX) EQUAL SPECIES-CODE   25970000
06212  026570                                            OF NM110REC          25980000
06213  026580              PERFORM 226-VALID-SPECIES-CODE.                    25990000   02E5CE
06214  026590*                                                               26000000
06215  026600 226-VALID-SPECIES-CODE.                                        26010000
06216  026610*    NO TESTS YET (2/83) BUT THEY'LL GO HERE EVENTUALLY         26020000
06217  026620      EXIT.                                                     26030000   02E5F8
06218  026630*                                                              26040000
06219  026640 227-UNMATCHED-SPECIES-GROUP.                                   26050000
06220  026650      MOVE TURN-ON TO EDIT-ERROR-SW.                            26060000   02E5FE
06221  026660      MOVE SPECIES-CODE  OF NM110REC TO SPEC-CODE.              26070000   02E604
06222  026670      MOVE SPECIES-GROUP-NOT-FOUND TO RPT2-ERR-MSG.             26080000   02E60A
06223  026680      PERFORM 179-BUILD-MASTER-ERROR.                           26090000   02E610
06224  026690*                                                              26100000
06225  026700 230-SAVE-MASTER-BY-TYPE.                                       26110000
06226  026710      IF MSTR-ENVIR-RECORD                                      26120000   02E632
06227  026720          MOVE NM110REC TO SAVE-ENVIR                           26130000   02E63A
06228  026730      ELSE                                                      26140000
06229  026740          IF MSTR-REPLIC-RECORD                                 26150000   02E644
06230  026750              MOVE NM110REC TO SAVE-REPLIC                      26160000   02E64C
06231  026760      ELSE                                                      26170000
06232  026770          IF MSTR-SPECIES-RECORD                                26180000   02E656
08233  026780              MOVE NM110REC TO SAVE-SPECIES                     26190000   02E65E
06234  026790* ADDITION BY EFF 03/23/84
06235  026800              MOVE TURN-ON TO SPECIES-FOUND-SW                              02E664
06236  026810* END OF ADDITION BY EFF
06237  026820      ELSE                                                      26200000
06238  026830          IF MSTR-INDIV-RECORD                                  26210000   02E66E
06239  026840              MOVE NM110REC TO SAVE-INDIV                       26220000   02E676
06240  026850      ELSE                                                      26230000
06241  026860          IF MSTR-ANNULUS-RECORD                                26240000   02E68A
06242  026870              MOVE NM110REC TO SAVE-ANNULUS                     26250000   02E692
06243  026880      ELSE                                                      26260000
06244  026890          IF MSTR-TAG-RECAPTURE-RECORD                          26270000   02E69C
06245  026900              MOVE NM110REC TO SAVE-TAG-RECAPT.                 26280000   02E6A4
06246  026910                                                                26290000
06247  026920*****************TEMP CHG FOR DEBUG 10/25/82*****************  26300000
06248  026930**** IF SEQUENCE-NUMBER OF NM110REC GREATER THAN '8008506'      26310000
06249  026940****     RESET TRACE                                            26320000
06250  026950****     ADD 1 TO CAUSE-ABEND.                                  26330000
06251  026960***************** TEMP CHG FOR DEBUG 10/25/82 *****************  26340000
06252  026970*                                                               26350000
06253  026980 240-RELATIONAL-EDITS.                                          26360000
06254  026990      ON 1                                                      26370000   02E6B0
06255  027000          NEXT SENTENCE                                         26380000
06256  027010      ELSE                                                      26390000
06257  027020          PERFORM 242-TEST-ENVIR-BREAK.                         26400000   02E6C0
06258  027030      MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW.                  26410000   02E6D8
06259  027040      IF MSTR-ENVIR-RECORD                                      26420000   02E6DE
06260  027050          MOVE ENVIR-NUMBER-REPLIC OF NM110REC TO SAVE-NUM-REPS 26430000   02E6EA
06261  027060      ELSE                                                      26440000
```

```
06262  027070          IF MSTR-REPLIC-RECORD                                    26450000  02E6F8
06263  027080              MOVE RP-NUMBER-SPECIES OF NM110REC                   26460000  02E700
06264  027090                  TO SAVE-NUM-SPECIES                              26470000
06265  027100                  IF SEQUENCE-NUMBER OF NM110REC = LAST-SEQ-NBR    26480000  02E70A
06266  027110                      ADD 1 TO NUMB-REP-RECS                       26490000  02E714
06267  027120                  ELSE                                             26500000
06268  027130                      MOVE 1 TO NUMB-REP-RECS                      26510000  02E72E
06269  027140          ELSE                                                     26520000
06270  027150              IF MSTR-SPECIES-RECORD                               26530000  02E738
06271  027160                  MOVE SPE-SUBSAMPLE-CNT OF NM110REC TO            26540000  02E740
06272  027170                      SAVE-NUM-SUBSAMPLES                          26550000
06273  027180                  MOVE SPE-INDIV-FORMAT-CODE OF NM110REC TO        26560000  02E74A
06274  027190                      SAVE-SPEC-CODE                               26570000
06275  027200                  IF SEQUENCE-NUMBER OF NM110REC = LAST-SEQ-NBR    26580000  02E750
06276  027210                      AND REPLICATE-NUMBER OF NM110REC = LAST-REP-NBR 26590000
06277  027220                      ADD 1 TO NUMB-SPEC-RECS                      26600000  02E764
06278  027230                  ELSE                                             26610000
06279  027240                      MOVE 1 TO NUMB-SPEC-RECS                     26620000  02E77E
06280  027250          ELSE                                                     26630000
06281  027260              IF MSTR-INDIV-RECORD                                 26640000  02E788
06282  027270                  PERFORM 249-SAVE-AGE-STATUS                      26650000  02E790
06283  027280                  PERFORM 250-SPECIES-CODE-CHECKS                  26660000  02E7AC
06284  027290                  MOVE INDIV-TAG-NBR-R OF NM110REC TO SAVE-TAG-NO  26670000  02E7CC
06285  027300                  MOVE INDIV-LTH-R OF NM110REC TO SAVE-INDIV-LTH   26680000  02E7D6
06286  027310          ELSE                                                     26690000
06287  027320              IF MSTR-ANNULUS-RECORD                               26700000  02E7E8
06288  027330                  IF SAVE-SPEC-CODE NOT = SPACES                   26710000  02E7F0
06289  027340                      IF NOT SPECIES-CODE-4-OR-7                   26720000  02E7F8
06290  027350                          MOVE TURN-ON TO EDIT-ERROR-SW            26730000  02E808
06291  027360                          MOVE SAVE-SPEC-CODE TO ERR-MSG-CODE      26740000  02E80E
06292  027370                          MOVE INVALID-REC-FOR-CODE TO RPT2-ERR-MSG 26750000  02E814
06293  027380                          PERFORM 179-BUILD-MASTER-ERROR.          26760000  02E81A
06294  027390*                                                                  26770000
06295  027400 242-TEST-ENVIR-BREAK.                                             26780000
06296  027410      IF SEQUENCE-NUMBER OF NM110REC NOT = LAST-SEQ-NBR            26790000  02E83C
06297  027420          IF LAST-SEQ-NBR NOT = SPACES                             26800000  02E846
06298  027430              PERFORM 243-ENVIR-BREAK                              26810000  02E858
06299  027440          ELSE                                                     26820000
06300  027450              NEXT SENTENCE                                        26830000
06301  027460      ELSE                                                         26840000
06302  027470          PERFORM 244-TEST-REPLIC-BREAK.                           26850000  02E878
06303  027480*                                                                  26860000
06304  027490 243-ENVIR-BREAK.                                                  26870000
06305  027500      PERFORM 245-REPLIC-BREAK.                                    26880000  02E89A
06306  027510      IF NUMB-REP-RECS NOT = SAVE-NUM-REPS                         26890000  02E8B2
06307  027520          MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW                  26900000  02E8CC
06308  027530          MOVE SAVE-NUM-REPS TO ERR-MSG-REPS                       26910000  02E8D2
06309  027540* * * * * * * * * * DEBUG * * * * * * * * * *                     26920000
06310  027550*         DISPLAY 'NO. REPS. IN ENVIR. = ' SAVE-NUM-REPS           26930000
06311  027560*             ' AND NO. CALC. REPS.= ' NUMB-REP-RECS               26940000
06312  027570* * * * * * * * * * DEBUG * * * * * * * * * *                     26950000
06313  027580          MOVE REPS-DONT-MATCH TO RPT2-ERR-MSG                     26960000  02E8D8
06314  027590          MOVE TURN-ON TO EDIT-ERROR-SW                            26970000  02E8DE
06315  027600          IF SAVE-ENVIR NOT = SPACES                               26980000  02E8E4
```

```
06316  027610              MOVE NM110REC TO ROLLOUT-AREA                  26990000  02E8F6
06317  027620              MOVE SAVE-ENVIR TO NM110REC                    27000000  02E8FC
06318  027630              PERFORM 179-BUILD-MASTER-ERROR                 27010000  02E902
06319  027640              MOVE ROLLOUT-AREA TO NM110REC.                 27020000  02E91A
06320  027650         MOVE ZEROS TO NUMB-REP-RECS, SAVE-NUM-REPS.         27030000  02E920
06321  027660         MOVE SPACES TO SAVE-ENVIR.                          27040000  02E92C
06322  027670*                                                            27050000
06323  027680 244-TEST-REPLIC-BREAK.                                      27060000
06324  027690         IF REPLICATE-NUMBER OF NM110REC NOT = LAST-REP-NBR   27070000  02E940
06325  027700             IF LAST-REP-NBR NOT = SPACES                    27080000  02E94A
06326  027710                 PERFORM 245-REPLIC-BREAK                    27090000  02E95C
06327  027720             ELSE                                            27100000
06328  027730                 NEXT SENTENCE                               27110000
06329  027740         ELSE                                                27120000
06330  027750             PERFORM 246-TEST-SPECIES-BREAK.                 27130000  02E97C
06331  027760*                                                            27140000
06332  027770 245-REPLIC-BREAK.                                           27150000
06333  027780         PERFORM 247-SPECIES-BREAK.                          27160000  02E99E
06334  027790         IF NUMB-SPEC-RECS NOT = SAVE-NUM-SPECIES            27170000  02E9B6
06335  027800             MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW         27180000  02E9D0
06336  027810             MOVE SAVE-NUM-SPECIES TO ERR-MSG-SPECS          27190000  02E9D6
06337  027820             MOVE NUMB-SPEC-RECS TO NUM-SPEC-REC             27200000  02E9DC
06338  027830             MOVE SPECIES-DONT-MATCH TO RPT2-ERR-MSG         27210000  02E9E6
06339  027840* * * * * * * * * * DEBUG * * * * * * * * * *               27220000
06340  027850*            DISPLAY 'NO.SPECIES=' NUMB-SPEC-RECS            27230000
06341  027860* * * * * * * * * * * * * * * * * * * * * * * *             27240000
06342  027870             MOVE TURN-ON TO EDIT-ERROR-SW                   27250000  02E9EC
06343  027880             IF SAVE-REPLIC NOT = SPACES                     27260000  02E9F2
06344  027890                 MOVE NM110REC TO RCLLOUT-AREA               27270000  02EA04
06345  027900                 MOVE SAVE-REPLIC TO NM110REC                27280000  02EA0A
06346  027910                 PERFORM 179-BUILD-MASTER-ERROR              27290000  02EA10
06347  027920                 MOVE ROLLOUT-AREA TO NM110REC.              27300000  02EA28
06348  027930         MOVE ZEROS TO NUMB-SPEC-RECS, SAVE-NUM-SPECIES.     27310000  02EA2E
06349  027940         MOVE SPACES TO SAVE-REPLIC.                         27320000  02EA3A
06350  027950*                                                            27330000
06351  027960 246-TEST-SPECIES-BREAK.                                     27340000
06352  027970*************************************************************27350000
06353  027980*     DEBUG 1/83  LRL                                        27360000
06354  027990*    IF                                                      27370000
06355  028000*       ( SEQUENCE-NUMBER OF NM110REC EQUAL '7900332' OR     27380000
06356  028010*         SEQUENCE-NUMBER OF NM110REC EQUAL '7900333' )      27390000
06357  028020*    DISPLAY 'DEBUG-0 ' SPECIES-GROUP OF NM110REC ' '        27400000
06358  028030*            LAST-SPECIES-GROUP ' ' SAVE-INDIV-AGE-STATUS.   27410000
06359  028040*************************************************************27420000
06360  028050         IF SPECIES-GROUP OF NM110REC NOT = LAST-SPECIES-GROUP 27430000  02EA4E
06361  028060             IF LAST-SPECIES-GROUP NOT = SPACES              27440000  02EA58
06362  028070                 PERFORM 247-SPECIES-BREAK                   27450000  02EA6A
06363  028080             ELSE                                            27460000
06364  028090                 NEXT SENTENCE                               27470000
06365  028100         ELSE                                                27480000
06366  028110             PERFORM 248-TEST-INDIV-BREAK.                   27490000  02EA8A
06367  028120*                                                            27500000
06368  028130 247-SPECIES-BREAK.                                          27510000
06369  028140         PERFORM 249-INDIV-BREAK.                            27520000  02EAB0
```

```
06370  028150      MOVE TURN-OFF-TO-DETAIL-LINE-WRITTEN-SW.                    27530000  02EACC
06371  028160      IF (SAVE-NUM-SUBSAMPLES NOT = NUMB-INDIV-RECS)              27540000  02EAD2
06372  028170          AND (SPECIES-CODE-1-OR-2 OR                             27550000
06373  028180          SPECIES-CODE-4-OR-7)                                    27560000
06374  028190              MOVE SAVE-NUM-SUBSAMPLES TO ERR-MSG-SUBSAM          27570000  02EB0C
06375  028200              MOVE NUMB-INDIV-RECS TO NUMBR-INDIV-RECX            27580000  02EB12
06376  028210              MOVE SUBSAMPLES-DONT-MATCH TO RPT2-ERR-MSG          27590000  02EB1C
06377  028220* * * * * * * * * * DEBUG * * * * * * * * * * *                   27600000
06378  028230*             DISPLAY 'NO.SUBSAM=' SAVE-NUM-SUBSAMPLES            27610000
06379  028240*                     'NO.INDIV.RECS=' NUMB-INDIV-RECS            27620000
06380  028250*                     'INDIV.FORMAT=' SAVE-SPEC-CODE              27630000
06381  028260* * * * * * * * * * * * * * * * * * * * * * * * * * * * *         27640000
06382  028270              MOVE TURN-ON TO EDIT-ERROR-SW                       27650000  02EB22
06383  028280              IF SAVE-SPECIES NOT = SPACES                        27660000  02EB28
06384  028290                  MOVE NM110REC TO ROLLOUT-AREA                   27670000  02EB3A
06385  028300                  MOVE SAVE-SPECIES TO NM110REC                   27680000  02EB40
06386  028310                  PERFORM 179-BUILD-MASTER-ERROR                  27690000  02EB46
06387  028320                  MOVE ROLLOUT-AREA TO NM110REC.                  27700000  02EB5E
06388  028330      IF SPECIES-CODE-4-OR-7                                      27710000  02EB64
06389  028340          IF NO-CODE4-DATA-FOUND                                  27720000  02EB78
06390  028350              MOVE TURN-ON TO EDIT-ERROR-SW                       27730000  02EB80
06391  028360              MOVE MISSING-INDIV-DATA TO RPT2-ERR-MSG             27740000  02EB86
06392  028370              IF SAVE-SPECIES NOT = SPACES                        27750000  02EB8C
06393  028380                  MOVE NM110REC TO ROLLOUT-AREA                   27760000  02EB9E
06394  028390                  MOVE SAVE-SPECIES TO NM110REC                   27770000  02EBA4
06395  028400                  PERFORM 179-BUILD-MASTER-ERROR                  27780000  02EBAA
06396  028410                  MOVE ROLLOUT-AREA TO NM110REC                   27790000  02EBC2
06397  028420              ELSE                                                27800000
06398  028430                  NEXT SENTENCE                                   27810000
06399  028440          ELSE                                                    27820000
06400  028450              MOVE SPACES-TO-CODE4-DATA-FOUND-SW.                 27830000  02EBD0
06401  028460****************** TEMP CHG FOR DEBUG 10/25/82 ******************27840000
06402  028470**** IF SEQUENCE-NUMBER OF NM110REC GREATER THAN '8008504'       27850000
06403  028480****     DISPLAY 'SAVE-SPEC-CODE=' SAVE-SPEC-CODE                 27860000
06404  028490****     DISPLAY '  S-NUM-SS=' SAVE-NUM-SUBSAMPLES                27870000
06405  028500****     DISPLAY '  N-IND-RC=' NUMB-INDIV-RECS                    27880000
06406  028510****     IF SAVE-SPECIES = SPACES                                 27890000
06407  028520****         DISPLAY ' ....SAVE-SPECIES IS BLANK....'             27900000
06408  028530****         ADD 1 TO CAUSE-ABEND.                                27910000
06409  028540****************** TEMP CHG FOR DEBUG 10/25/82 ******************27920000
06410  028550**************************************************************27930000
06411  028560*                  DEBUG 9/83 LRL                                27940000
06412  028570*     IF SAVE-SPE-SEQ-NMBR EQUAL '8299991'                        27950000
06413  028580*         DISPLAY 'DEBUG-X ' SAVE-SPE-NUMBR-TAGGED1-R ' '         27960000
06414  028590*         SAVE-SPE-TAG1 ' ' SAVE-SPE-NUMBR-TAGGED2-R ' '          27970000
06415  028600*         SAVE-SPE-TAG2 ' ' SAVE-TAG-RECAPT-TAG1-CNTR ' '         27980000
06416  028610*         SAVE-TAG-RECAPT-TAG1 ' ' SAVE-TAG-RECAPT-TAG2-CNTR      27990000
06417  028620*         ' ' SAVE-TAG-RECAPT-TAG2 .                              28000000
06418  028630**************************************************************28010000
06419  028640*                  MEMO 7/14/83, PARA 7, PART 2                  28020000
06420  028650      IF SAVE-SPE-NUMBR-TAGGED1-R NUMERIC                         28030000  02EBD4
06421  028660      IF SAVE-TAG-RECAPT-TAG1 EQUAL SAVE-SPE-TAG1 AND             28040000  02EBE2
06422  028670              SAVE-TAG-RECAPT-TAG1-CNTR GREATER                   28050000
06423  028680              SAVE-SPE-NUMBR-TAGGED1-R                            28060000
```

```
06424  028690          MOVE TURN-ON TO EDIT-ERROR-SW                    28070000  02EC02
06425  028700          MOVE SAVE-TAG-RECAPT-TAG1-CNTR TO ERR-TAG-CNTR   28080000  02EC08
06426  028710          MOVE SAVE-SPE-NUMBR-TAGGED1 TO ERR-SPE-CNTR      28090000  02EC0E
06427  028720          MOVE SAVE-SPE-TAG1 TO ERR-TAG-TYPX               28100000  02EC14
06428  028730          MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG       28110000  02EC1A
06429  028740          MOVE NM110REC TO ROLLOUT-AREA                    28120000  02EC20
06430  028750          MOVE SAVE-SPECIES TO NM110REC                    28130000  02EC26
06431  028760          PERFORM 179-BUILD-MASTER-ERROR                   28140000  02EC2C
06432  028770          MOVE ROLLOUT-AREA TO NM110REC.                   28150000  02EC44
06433  028780      IF SAVE-SPE-NUMBR-TAGGED2-R NUMERIC                  28160000  02EC4A
06434  028790      IF SAVE-TAG-RECAPT-TAG1 EQUAL SAVE-SPE-TAG2 AND      28170000  02EC5C
06435  028800             SAVE-TAG-RECAPT-TAG1-CNTR GREATER             28180000
06436  028810             SAVE-SPE-NUMBR-TAGGED2-R                      28190000
06437  028820          MOVE TURN-ON TO EDIT-ERROR-SW                    28200000  02EC84
06438  028830          MOVE SAVE-TAG-RECAPT-TAG1-CNTR TO ERR-TAG-CNTR   28210000  02EC8A
06439  028840          MOVE SAVE-SPE-NUMBR-TAGGED2 TO ERR-SPE-CNTR      28220000  02EC90
06440  028850          MOVE SAVE-SPE-TAG2 TO ERR-TAG-TYPX               28230000  02EC96
06441  028860          MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG       28240000  02EC9C
06442  028870          MOVE NM110REC TO ROLLOUT-AREA                    28250000  02ECA2
06443  028880          MOVE SAVE-SPECIES TO NM110REC                    28260000  02ECA8
06444  028890          PERFORM 179-BUILD-MASTER-ERROR                   28270000  02ECAE
06445  028900          MOVE ROLLOUT-AREA TO NM110REC.                   28280000  02ECCA
06446  028910      IF SAVE-SPE-NUMBR-TAGGED1-R NUMERIC                  28290000  02ECD0
06447  028920      IF SAVE-TAG-RECAPT-TAG2 EQUAL SAVE-SPE-TAG1 AND      28300000  02ECE2
06448  028930             SAVE-TAG-RECAPT-TAG2-CNTR GREATER             28310000
06449  028940             SAVE-SPE-NUMBR-TAGGED1-R                      28320000
06450  028950          MOVE TURN-ON TO EDIT-ERROR-SW                    28330000  02ED02
06451  028960          MOVE SAVE-TAG-RECAPT-TAG2-CNTR TO ERR-TAG-CNTR   28340000  02ED08
06452  028970          MOVE SAVE-SPE-NUMBR-TAGGED1 TO ERR-SPE-CNTR      28350000  02ED0E
06453  028980          MOVE SAVE-SPE-TAG1 TO ERR-TAG-TYPX               28360000  02ED14
06454  028990          MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG       28370000  02ED1A
06455  029000          MOVE NM110REC TO ROLLOUT-AREA                    28380000  02ED20
06456  029010          MOVE SAVE-SPECIES TO NM110REC                    28390000  02ED26
06457  029020          PERFORM 179-BUILD-MASTER-ERROR                   28400000  02ED2C
06458  029030          MOVE ROLLOUT-AREA TO NM110REC.                   28410000  02ED48
06459  029040      IF SAVE-SPE-NUMBR-TAGGED2-R NUMERIC                  28420000  02ED4E
06460  029050      IF SAVE-TAG-RECAPT-TAG2 EQUAL SAVE-SPE-TAG2 AND      28430000  02ED60
06461  029060             SAVE-TAG-RECAPT-TAG2-CNTR GREATER             28440000
06462  029070             SAVE-SPE-NUMBR-TAGGED2-R                      28450000
06463  029080          MOVE TURN-ON TO EDIT-ERROR-SW                    28460000  02ED80
06464  029090          MOVE SAVE-TAG-RECAPT-TAG2-CNTR TO ERR-TAG-CNTR   28470000  02ED86
06465  029100          MOVE SAVE-SPE-NUMBR-TAGGED2 TO ERR-SPE-CNTR      28480000  02ED8C
06466  029110          MOVE SAVE-SPE-TAG2 TO ERR-TAG-TYPX               28490000  02ED92
06467  029120          MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG       28500000  02ED98
06468  029130          MOVE NM110REC TO ROLLOUT-AREA                    28510000  02ED9E
06469  029140          MOVE SAVE-SPECIES TO NM110REC                    28520000  02EDA4
06470  029150          PERFORM 179-BUILD-MASTER-ERROR                   28530000  02EDAA
06471  029160          MOVE ROLLOUT-AREA TO NM110REC.                   28540000  02EDC6
06472  029170      MOVE ZEROS TO SAVE-TAG-RECAPT-TAG1-CNTR,             28550000  02EDCC
06473  029180                 SAVE-TAG-RECAPT-TAG2-CNTR.                28560000
06474  029190      MOVE SPACES TO SAVE-TAG-RECAPT-TAG1,                 28570000  02EDD8
06475  029200                 SAVE-TAG-RECAPT-TAG2.                     28580000
06476  029210      MOVE SPACES TO SAVE-SPEC-CODE.                       28590000  02EDE0
06477  029220      MOVE ZEROS TO SAVE-NUM-SUBSAMPLES, NUMB-INDIV-RECS,  28600000  02EDE4
```

```
06478  029230          SAVE-INDIV-LTH.                                  28610000
06479  029240      MOVE SPACES TO SAVE-SPECIES.                         28620000  02EDF6
06480  029250      PERFORM 2478-PAD-TAG-NUMBER-TABLE VARYING TAG-SUBSCR FROM 1  28630000  02EE00
06481  029260          BY 1 UNTIL TAG-SUBSCR GREATER TAG-NUMBR-CNTR.    28640000
06482  029270      MOVE ZEROES TO TAG-NUMBR-CNTR.                       28650000  02EE46
06483  029280* ADDITION BY EFF 03/23/84                                 28660000
06484  029290      MOVE TURN-OFF TO SPECIES-FOUND-SW.                   28660000  02EE4C
06485  029300* END OF ADDITION BY EFF                                   28660000
06486  029310*                                                          28660000
06487  029320 2478-PAD-TAG-NUMBER-TABLE.                               28670000
06488  029330      MOVE SPACES TO TAG-RECAPT-TAG-NUMBR (TAG-SUBSCR) .   28680000  02EE58
06489  029340*                                                          28690000
06490  029350                                                           28700000
06491  029360 248-TEST-INDIV-BREAK.                                     28710000
06492  029370*****************************************************************28720000
06493  029380*    DEBUG CHECK 1/83  LRL                                 28730000
06494  029390*    IF                                                    28740000
06495  029400*     ( SEQUENCE-NUMBER OF NM110REC EQUAL '7900332' OR     28750000
06496  029410*       SEQUENCE-NUMBER OF NM110REC EQUAL '7900333' )      28760000
06497  029420*    DISPLAY 'DEBUG-B ' LAST-LINE-NBR ' ' LINE-NUMBER OF NM110REC 28770000
06498  029430*            ' ' SPECIES-GROUP OF NM110REC ' ' LAST-SPECIES-GROUP 28780000
06499  029440*            ' ' SAVE-INDIV-AGE-STATUS ' ' LAST-REC-TYPE ' '  28790000
06500  029450*            RECORD-KEY OF NM110REC.                       28800000
06501  029460*****************************************************************28810000
06502  029470     IF LINE-NUMBER OF NM110REC NOT = LAST-LINE-NBR        28820000  02EE86
06503  029480         IF LAST-LINE-NBR NOT = SPACES AND                 28830000  02EE94
06504  029490                SAVE-INDIV-AGE-STATUS NOT EQUAL '2'        28840000
06505  029500             NEXT SENTENCE                                 28850000
06506  029510         ELSE                                              28860000
06507  029520             PERFORM 249-INDIV-BREAK.                      28870000  02EEB2
06508  029530*                                                          28880000
06509  029540 249-INDIV-BREAK.                                          28890000
06510  029550*****************************************************************28900000
06511  029560*   DEBUG 1/83 LRL                                         28910000
06512  029570*    IF                                                    28920000
06513  029580*       SEQUENCE-NUMBER OF NM110REC EQUAL '8299996'        28930000
06514  029590*    DISPLAY 'DEBUG-C ' SAVE-INDIV-AGE-STATUS ' '          28940000
06515  029600*            SPECIES-GROUP OF NM110REC ' ' LAST-SPECIES-GROUP  28950000
06516  029610*            ' ' SEQUENCE-NUMBER OF NM110REC ' '           28960000
06517  029620*            SAVE-SPEC-CODE ' ' OCCURRENCE-CODE-3 .        28970000
06518  029630*****************************************************************28980000
06519  029640*     ADDED 4/83 LRL - IF A CODE3 RECORD DOES NOT HAVE TWO  28990000
06520  029650*     FOLLOWING RECORDS - TRAPPED HERE & ERROR MSG PRINTED  29000000
06521  029660     IF LAST-SPECIES-GROUP NOT EQUAL SPACES AND SPECIES-CODE-3  29010000  02EED4
06522  029670        AND OCCURRENCE-CODE-3 EQUAL 1                     29020000
06523  029680        MOVE TURN-ON TO EDIT-ERROR-SW                     29030000  02EEFE
06524  029690        MOVE MISSING-CODE3-NMBR2 TO RPT2-ERR-MSG          29040000  02EF04
06525  029700        MOVE NM110REC TO ROLLOUT-AREA                     29050000  02EF0A
06526  029710        MOVE SAVE-INDIV TO NM110REC                       29060000  02EF10
06527  029720        PERFORM 179-BUILD-MASTER-ERROR                    29070000  02EF16
06528  029730        MOVE ROLLOUT-AREA TO NM110REC.                    29080000  02EF32
06529  029740*                                                          29090000
06530  029750     IF SAVE-INDIV-AGE-STATUS NOT = SPACES                 29100000  02EF38
06531  029760         MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW           29110000  02EF44
```

```
06532  029770          MOVE TURN-ON TO EDIT-ERROR-SW                    29120000  02EF4A
06533  029780          MOVE MISSING-ANNULUS TO RPT2-ERR-MSG             29130000  02EF50
06534  029790          MOVE TURN-ON TO EDIT-ERROR-SW                    29140000  02EF56
06535  029800          MOVE SPACES TO SAVE-INDIV-AGE-STATUS             29150000  02EF5C
06536  029810          IF SAVE-INDIV NOT = SPACES                       29160000  02EF60
06537  029820              MOVE NM110REC TO ROLLOUT-AREA                29170000  02EF72
06538  029830              MOVE SAVE-INDIV TO NM110REC                  29180000  02EF78
06539  029840              PERFORM 179-BUILD-MASTER-ERROR               29190000  02EF7E
06540  029850              MOVE ROLLOUT-AREA TO NM110REC.               29200000  02EF9A
06541  029860      MOVE SPACES TO SAVE-INDIV.                           29210000  02EFA0
06542  029870      MOVE ZEROS TO OCCURRENCE-CODE-3.                     29220000  02EFAA
06543  029880*                                                         29230000
06544  029890 249-SAVE-AGE-STATUS.                                      29240000
06545  029900**************************************************************29250000
06546  029910*     DEBUG 1/83 LRL                                       29260000
06547  029920*    IF                                                    29270000
06548  029930*     ( SEQUENCE-NUMBER OF NM110REC EQUAL '7900332' OR     29280000
06549  029940*       SEQUENCE-NUMBER OF NM110REC EQUAL '7900333' )      29290000
06550  029950*       DISPLAY 'DEBUG-E ' SPECIES-GROUP OF NM110REC ' '   29300000
06551  029960*               LAST-SPECIES-GROUP ' ' LAST-LINE-NBR ' '   29310000
06552  029970*               LINE-NUMBER OF NM110REC.                   29320000
06553  029980**************************************************************29330000
06554  029990      IF AGE-STATUS-2                                      29340000  02EFBA
06555  030000          MOVE INDIV-AGE-STATUS OF NM110REC TO             29350000  02EFC2
06556  030010              SAVE-INDIV-AGE-STATUS.                       29360000
06557  030020*                                                         29370000
06558  030030 250-SPECIES-CODE-CHECKS.                                  29380000
06559  030040      IF SAVE-SPEC-CODE NOT = SPACES                       29390000  02EFCE
06560  030050          IF SPECIES-CODE-0 OR SPECIES-CODE-5              29400000  02EFD6
06561  030060              MOVE TURN-ON TO EDIT-ERROR-SW                29410000  02EFE6
06562  030070              MOVE SAVE-SPEC-CODE TO ERR-MSG-CODE          29420000  02EFEC
06563  030080              MOVE INVALID-REC-FOR-CODE TO RPT2-ERR-MSG    29430000  02EFF2
06564  030090              PERFORM 179-BUILD-MASTER-ERROR               29440000  02EFF8
06565  030100          ELSE                                             29450000
06566  030110              IF SPECIES-CODE-1-OR-2                       29460000  02F01C
06567  030120                  ADD INDIV-CNT-R OF NM110REC TO NUMB-INDIV-RECS  29470000  02F02C
06568  030130                  IF INDIV-DETAILS OF NM110REC NOT EQUAL SPACES   29480000  02F048
06569  030140                          MOVE TURN-ON TO EDIT-ERROR-SW    29490000  02F05A
06570  030150                          MOVE INVALID-INDIV-FORMAT        29500000  02F060
06571  030160                              TO RPT2-ERR-MSG              29510000
06572  030170                          PERFORM 179-BUILD-MASTER-ERROR   29520000  02F066
06573  030180                  ELSE                                     29530000
06574  030190                      NEXT SENTENCE                        29540000
06575  030200          ELSE                                             29550000
06576  030210              IF SPECIES-CODE-3                            29560000  02F08A
06577  030220                  PERFORM 251-EDIT-INDIV-SC-3              29570000  02F092
06578  030230          ELSE                                             29580000
06579  030240              IF SPECIES-CODE-4-OR-7                       29590000  02F0B2
06580  030250                  ADD INDIV-CNT-R OF NM110REC TO NUMB-INDIV-RECS  29600000  02F0C2
06581  030260                  IF INDIV-DETAILS OF NM110REC NOT = SPACES 29610000  02F0DE
06582  030270                      MOVE TURN-ON TO CODE4-DATA-FOUND-SW   29620000  02F0F0
06583  030280                  ELSE                                     29630000
06584  030290                      NEXT SENTENCE                        29640000
06585  030300          ELSE                                             29650000
```

```
06586   030310              IF SPECIES-CODE-6                                  29660000   02F0FA
06587   030320                  PERFORM 254-EDIT-INDIV-SC-6.                   29670000   02F102
06588   030330* * * * * * * * * * DEBUG * * * * * * * * * * *                  29680000
06589   030340*    DISPLAY 'CALC.NO.INDIV = ' NUMB-INDIV-RECS.                 29690000
06590   030350* * * * * * * * * * * * * * * * * * * * * * * *                  29700000
06591   030360                                                                 29710000
06592   030370 251-EDIT-INDIV-SC-3.                                            29720000
06593   030380      IF SEQUENCE-NUMBER OF NM110REC = LAST-SEQ-NBR AND          29730000   02F124
06594   030390          REPLICATE-NUMBER OF NM110REC = LAST-REP-NBR AND        29740000
06595   030400          SPECIES-GROUP OF NM110REC = LAST-SPECIES-GROUP AND     29750000
06596   030410          RECORD-TYPE OF NM110REC = LAST-REC-TYPE                29760000
06597   030420              ADD 1 TO OCCURRENCE-CODE-3                         29770000   02F14C
06598   030430      ELSE                                                       29780000
06599   030440          MOVE 1 TO OCCURRENCE-CODE-3.                           29790000   02F166
06600   030450*************************************************************** 29800000
06601   030460*         DEBUG 4/83 LRL                                         29810000
06602   030470*     IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299996'             29820000
06603   030480*       DISPLAY 'DEBUG-11 ' OCCURRENCE-CODE-3 ' '                29830000
06604   030490*           ' ' RECORD-KEY OF NM110REC.                          29840000
06605   030500*************************************************************** 29850000
06606   030510      IF OCCURRENCE-CODE-3 GREATER THAN 2                        29860000   02F16C
06607   030520          MOVE TURN-ON TO EDIT-ERROR-SW                          29870000   02F17C
06608   030530          MOVE DUPLICATE-INDIV-RECS TO RPT2-ERR-MSG              29880000   02F182
06609   030540          PERFORM 179-BUILD-MASTER-ERROR                         29890000   02F188
06610   030550      ELSE                                                       29900000
06611   030560          IF OCCURRENCE-CODE-3 = 2                               29910000   02F1AC
06612   030570              PERFORM 252-EDIT-INDIV-2ND-OCCUR                   29920000   02F1BC
06613   030580      ELSE                                                       29930000
06614   030590          IF OCCURRENCE-CODE-3 = 1 AND NOT LINE1                 29940000   02F1DC
06615   030600              MOVE TURN-ON TO EDIT-ERROR-SW                      29950000   02F1F6
06616   030610* * * * * * * * * * DEBUG * * * * * * * * * * *                  29960000
06617   030620*             DISPLAY 'FIRST OCCURENCE OF FORMAT 3 AND '         29970000
06618   030630*             'INDIV.LINE.NBR.=' LINE-NUMBER OF NM110REC         29980000
06619   030640* * * * * * * * * * * * * * * * * * * * * * * *                  29990000
06620   030650              MOVE INDIV-LINE-ERR TO RPT2-ERR-MSG                30000000   02F1FC
06621   030660              PERFORM 179-BUILD-MASTER-ERROR.                    30010000   02F202
06622   030670      IF NOT SPECIES-CODE3-6-CNT                                 30020000   02F21E
06623   030680          MOVE TURN-ON TO EDIT-ERROR-SW                          30030000   02F232
06624   030690          MOVE INDIV-COUNT-ERR TO RPT2-ERR-MSG                   30040000   02F238
06625   030700          PERFORM 179-BUILD-MASTER-ERROR.                        30050000   02F23E
06626   030710*                                                                30060000
06627   030720 252-EDIT-INDIV-2ND-OCCUR.                                       30070000
06628   030730      IF (INDIV-LTH-R OF NM110REC NOT NUMERIC) OR                30080000   02F264
06629   030740        (INDIV-LTH-R OF NM110REC NOT GREATER THAN SAVE-INDIV-LTH) 30090000
06630   030750          MOVE TURN-ON TO EDIT-ERROR-SW                          30100000   02F288
06631   030760          MOVE SAVE-INDIV-LTH TO ERR-MSG-LTH                     30110000   02F28E
06632   030770          MOVE INDIV-LTH-DISCREP TO RPT2-ERR-MSG                 30120000   02F294
06633   030780          PERFORM 179-BUILD-MASTER-ERROR.                        30130000   02F29A
06634   030790      IF NOT LINE2                                               30140000   02F2B6
06635   030800          MOVE TURN-ON TO EDIT-ERROR-SW                          30150000   02F2C4
06636   030810          MOVE INDIV-LINE-ERR TO RPT2-ERR-MSG                    30160000   02F2CA
06637   030820* * * * * * * * * * DEBUG * * * * * * * * * * *                  30170000
06638   030830*         DISPLAY 'SECOND OCCURRENCE OF FORMAT 3 AND '           30180000
06639   030840*         'INDIV.LINE.NBR.=' LINE-NUMBER OF NM110REC             30190000
```

```
06640  030850* * * * * * * * * * * * * * * * * * * * * * * * *                 30200000
06641  030860          PERFORM 179-BUILD-MASTER-ERROR.                         30210000   02F2D0
06642  030870*                                                                 30220000
06643  030880 254-EDIT-INDIV-SC-6.                                             30230000
06644  030890      MOVE TURN-ON TO EDIT-ERROR-SW.                              30240000   02F2F6
06645  030900      MOVE INVALID-SPECIES-CODE-6 TO RPT2-ERR-MSG.                30250000   02F2FC
06646  030910      PERFORM 179-BUILD-MASTER-ERROR.                             30260000   02F302
06647  030920*****************************************************************30270000
06648  030930*     ENTIRE TEST REMOVED PER EPPERLY 2/9/83   LRL                30280000
06649  030940*     IF SEQUENCE-NUMBER OF NM110REC = LAST-SEQ-NBR AND           30290000
06650  030950*         REPLICATE-NUMBER OF NM110REC = LAST-REP-NBR AND         30300000
06651  030960*         SPECIES-GROUP OF NM110REC = LAST-SPECIES-GROUP AND      30310000
06652  030970*         RECORD-TYPE OF NM110REC = LAST-REC-TYPE                 30320000
06653  030980*             ADD 1 TO OCCURRENCE-CODE-6                          30330000
06654  030990*     ELSE                                                        30340000
06655  031000*         MOVE 1 TO OCCURRENCE-CODE-6.                            30350000
06656  031010*     IF OCCURRENCE-CODE-6 GREATER THAN 2                         30360000
06657  031020*         MOVE TURN-ON TO EDIT-ERROR-SW                           30370000
06658  031030*         MOVE DUPLICATE-INDIV-RECS TO RPT2-ERR-MSG               30380000
06659  031040*         PERFORM 179-BUILD-MASTER-ERROR                          30390000
06660  031050*     ELSE                                                        30400000
06661  031060*         IF OCCURRENCE-CODE-6 = 2                                30410000
06662  031070*             PERFORM 256-EDIT-INDIV-2ND-OCCUR                    30420000
06663  031080*     ELSE                                                        30430000
06664  031090*         IF OCCURRENCE-CODE-6 = 1 AND NOT LINE1                  30440000
06665  031100*             MOVE TURN-ON TO EDIT-ERROR-SW                       30450000
06666  031110*             MOVE INDIV-LINE-ERR TO RPT2-ERR-MSG                 30460000
06667  031120* * * * * * * * * * DEBUG * * * * * * * * * * *                    30470000
06668  031130*             DISPLAY 'FIRST OCCURRENCE OF FORMAT 6 AND '         30480000
06669  031140*             'INDIV.LINE.NBR.=' LINE-NUMBER OF NM110REC          30490000
06670  031150* * * * * * * * * * * * * * * * * * * * * * * * *                 30500000
06671  031160*             PERFORM 179-BUILD-MASTER-ERROR.                     30510000
06672  031170*     IF NOT SPECIES-CODE3-6-CNT                                  30520000
06673  031180*         MOVE TURN-ON TO EDIT-ERROR-SW                           30530000
06674  031190*         MOVE INDIV-COUNT-ERR TO RPT2-ERR-MSG                    30540000
06675  031200*         PERFORM 179-BUILD-MASTER-ERROR.                         30550000
06676  031210*                                                                 30560000
06677  031220*                                                                 30570000
06678  031230*256-EDIT-INDIV-2ND-OCCUR.                                        30580000
06679  031240*     IF INDIV-TAG-NBR-R OF NM110REC                              30590000
06680  031250*         NOT GREATER THAN SAVE-TAG-NO                            30600000
06681  031260*             MOVE TURN-ON TO EDIT-ERROR-SW                       30610000
06682  031270* * * * * * * * * * DEBUG * * * * * * * * * * *                    30620000
06683  031280*             DISPLAY 'TAG NO=' INDIV-TAG-NBR-R OF NM110REC       30630000
06684  031290* * * * * * * * * * * * * * * * * * * * * * * * *                 30640000
06685  031300*             MOVE SAVE-TAG-NO TO ERR-MSG-TAG                     30650000
06686  031310*             MOVE TAG-NBR-LESS TO RPT2-ERR-MSG                   30660000
06687  031320*             PERFORM 179-BUILD-MASTER-ERROR.                     30670000
06688  031330*     IF NOT LINE2                                                30680000
06689  031340*         MOVE TURN-ON TO EDIT-ERROR-SW                           30690000
06690  031350* * * * * * * * * * DEBUG * * * * * * * * * * *                    30700000
06691  031360*         DISPLAY 'SECOND OCCURRENCE OF FORMAT 6 AND '            30710000
06692  031370*         'INDIV.LINE.NBR.=' LINE-NUMBER OF NM110REC              30720000
06693  031380* * * * * * * * * * * * * * * * * * * * * * * * *                 30730000
```

```
06694  031390*          MOVE INDIV-LINE-ERR-TO RPT2-ERR-MSG                    30760000
06695  031400*          PERFORM 179-BUILD-MASTER-ERROR.                        30750000
06696  031410*      COMPUTE WK-DIF = INDIV-TAG-NBR-R OF NM110REC -             30760000
06697  031420*          SAVE-TAG-NO + 1.                                       30770000
06698  031430*      IF WK-DIF NOT = SAVE-NUM-SUBSAMPLES                        30780000
06699  031440*          MOVE TURN-ON TO EDIT-ERROR-SW                          30790000
06700  031450*          MOVE SAVE-NUM-SUBSAMPLES TO ERR-MSG-DIF                30800000
06701  031460*          MOVE TAG-NBR-DISCREP TO RPT2-ERR-MSG                   30810000
06702  031470*          PERFORM 179-BUILD-MASTER-ERROR.                        30820000
06703  031480*****************************************************************30830000
06704  031490                                                                 30840000
06705  031500 258-STRUCTURAL-TEST.                                            30850000
06706  031510      MOVE TURN-OFF TO STRUC-ERR-SW.                             30860000  02F328
06707  031520      MOVE MSTR-CONTROL TO WS-CURR-KEY.                          30870000  02F32E
06708  031530*
06709  031540*****************************************************************
06710  031551* CODE CHANGED TO TEST FOR STRUCTURAL ERRORS ON TAG RECAPTURE
06711  031560* RECORDS. BY EFF ON 03/23/84
06712  031570*
06713  031580      IF (MSTR-INDIV-RECORD OR MSTR-ANNULUS-RECORD               30880000  02F334
06714  031590          OR MSTR-REPLIC-RECORD OR MSTR-SPECIES-RECORD           30890000
06715  031600          OR MSTR-TAG-RECAPTURE-RECORD)                          30890000
06716  031610          IF WS-CURR-ENVIR-KEY EQUAL SAVE-ENVIR-KEY              30900000  02F35C
06717  031620              NEXT SENTENCE                                      30910000
06718  031630          ELSE                                                   30920000
06719  031640              MOVE TURN-ON TO STRUC-ERR-SW                       30930000  02F36A
06720  031650              MOVE CHK TO MISSING-ENVIR.                         30940000  02F370
06721  031660      IF (MSTR-INDIV-RECORD OR MSTR-ANNULUS-RECORD               30950000  02F376
06722  031670          OR MSTR-SPECIES-RECORD OR MSTR-TAG-RECAPTURE-RECORD)   30960000
06723  031680          IF WS-CURR-REPLIC-KEY EQUAL SAVE-REPLIC-KEY            30970000  02F396
06724  031690              NEXT SENTENCE                                      30980000
06725  031700          ELSE                                                   30990000
06726  031710              MOVE TURN-ON TO STRUC-ERR-SW                       31000000  02F3A4
06727  031720              MOVE CHK TO MISSING-REPLIC.                        31010000  02F3AA
06728  031730*****************************************************************31020000
06729  031740*      DEBUG 4/83 LRL                                             31030000
06730  031750*  IF SEQUENCE-NUMBER OF NM110REC EQUAL '7300068' AND             31040000
06731  031760*     REPLICATE-NUMBER OF NM110REC EQUAL '01' AND                 31050000
06732  031770*     SPECIES-GROUP OF NM110REC EQUAL '61890103010'               31060000
06733  031780*         DISPLAY ' DEBUG-3 ' LINE-NUMBER OF NM110REC ' '         31070000
06734  031790*             RECORD-TYPE OF NM110REC ' ' SAVE-INDIV-KEY ' '      31080000
06735  031800*             WS-CURR-SPECIES-KEY ' ' SAVE-INDIV-LINE .           31090000
06736  031810*****************************************************************31100000
06737  031820      IF (MSTR-INDIV-RECORD OR MSTR-ANNULUS-RECORD               31110000  02F380
06738  031830          OR MSTR-TAG-RECAPTURE-RECORD)                          31110000
06739  031840          IF WS-CURR-SPECIES-KEY EQUAL SAVE-SPECIES-KEY          31120000  02F3C8
06740  031850              NEXT SENTENCE                                      31130000
06741  031860          ELSE                                                   31140000
06742  031870              MOVE TURN-ON TO STRUC-ERR-SW                       31150000  02F3D6
06743  031880              MOVE CHK TO MISSING-SPECIES.                       31160000  02F3DC
06744  031890*                                                               31170000
06745  031900* END-OF CHANGE BY-EFF                                          31170000
06746  031910*****************************************************************31170000
06747  031920*                                                               31170000
```

```
06748  031930*          ADDED 4/83 LRL                                  31170000
06749  031940       IF MSTR-INDIV-RECORD AND WS-CURR-SPECIES-KEY        31180000  02F3E2
06750  031950                EQUAL SAVE-INDIV-KEY                       31190000
06751  031960           PERFORM 259A-VERIFY-INDIV-STRUC.                31200000  02F3F4
06752  031970       IF MSTR-INDIV-RECORD AND WS-CURR-SPECIES-KEY        31210000  02F40C
06753  031980                NOT EQUAL SAVE-INDIV-KEY                   31220000
06754  031990           PERFORM 259C-VERIFY-INDIV-LINE1.                31230000  02F422
06755  032000*CHANGE MADE 2/84 BY EFF
06756  032010       IF MSTR-TAG-RECAPTURE-RECORD AND WS-CURR-SPECIES-KEY 31240000  02F43A
06757  032020                EQUAL SAVE-TAG-RECAPT-KEY                  31250000
06758  032030           PERFORM 259B-VERIFY-TAG-RECAP-STRUC.            31260000  02F450
06759  032040       IF MSTR-TAG-RECAPTURE-RECORD AND WS-CURR-SPECIES-KEY 31240000  02F468
06760  032050                NOT EQUAL SAVE-TAG-RECAPT-KEY              31250000
06761  032060           PERFORM 259E-VERIFY-TAG-RECAP-LINE1.            31260000  02F47E
06762  032070*END OF CHANGE EFF
06763  032080       IF MSTR-ANNULUS-RECORD AND WS-CURR-SPECIES-KEY NOT EQUAL 31270000  02F496
06764  032090                SAVE-INDIV-KEY                             31280000
06765  032100           PERFORM 259D-MISSING-INDIV-REC.                 31290000  02F4AC
06766  032110*                                                         31300000
06767  032120       IF STRUC-ERR                                        31310000  02F4C4
06768  032130           PERFORM 260-WRITE-RPT3-STRUC.                   31320000  02F4D0
06769  032140*                                                         31330000
06770  032150 259A-VERIFY-INDIV-STRUC.                                 31340000
06771  032160*         EQUAL LINE NUMBERS NOT DETECTED BY CODE 4/83 LRL 31350000
06772  032170*              ERROR 'NOT POSSIBLE' EPPERLY 5/83           31360000
06773  032180       IF (LINE-NUMBER-R OF NM110REC NUMERIC AND           31370000  02F4F2
06774  032190                SAVE-INDIV-LINE NUMERIC)                   31380000
06775  032200           COMPUTE TEST-SUM = SAVE-INDIV-LINE-R + 1        31390000  02F50E
06776  032210           IF LINE-NUMBER-R OF NM110REC NOT EQUAL TEST-SUM 31400000  02F524
06777  032220               MOVE TURN-ON TO STRUC-ERR-SW                31410000  02F53A
06778  032230               MOVE CHK TO NON-SEQ-INDIV-REC.              31420000  02F540
06779  032240*                                                         31430000
06780  032250 259B-VERIFY-TAG-RECAP-STRUC.                             31440000
06781  032260*NON-NUMERIC LINE NUMBERS NOT DETECTED BY CODE 4/83 EFF    31350000
06782  032270       IF LINE-NUMBER OF NM110REC EQUAL SAVE-TAG-RECAPT-LINE 31450000  02F54C
06783  032280           MOVE TURN-ON TO STRUC-ERR-SW                    31460000  02F556
06784  032290           MOVE CHK TO DUP-TAG-RECAPT.                     31470000  02F55C
06785  032300       IF (LINE-NUMBER-R OF NM110REC NUMERIC AND           31480000  02F562
06786  032310                SAVE-TAG-RECAPT-LINE NUMERIC)              31490000
06787  032320           COMPUTE TEST-SUM = SAVE-TAG-RECAPT-LINE-R + 1   31500000  02F57E
06788  032330           IF LINE-NUMBER-R OF NM110REC NOT EQUAL TEST-SUM 31510000  02F594
06789  032340               MOVE TURN-ON TO STRUC-ERR-SW                31520000  02F5AA
06790  032350               MOVE CHK TO NON-SEQ-TAG-RECAPT.             31530000  02F5B0
06791  032360*                                                         31540000
06792  032370 259C-VERIFY-INDIV-LINE1.                                 31550000
06793  032380       IF LINE-NUMBER-R OF NM110REC NUMERIC                31560000  02F5BC
06794  032390           IF LINE-NUMBER-R OF NM110REC NOT EQUAL 1        31570000  02F5CA
06795  032400               MOVE TURN-ON TO STRUC-ERR-SW                31580000  02F5DA
06796  032410               MOVE CHK TO NON-SEQ-INDIV-REC.              31590000  02F5E0
06797  032420*                                                         31600000
06798  032430 259D-MISSING-INDIV-REC.                                  31610000
06799  032440*    EITHER A MISSING INDIV REC OR A INVALID LINE  IN AN ANNULUS 31620000
06800  032450       MOVE TURN-ON TO STRUC-ERR-SW.                       31630000  02F5EC
06801  032460       MOVE CHK TO MISSING-INDIV-REC.                      31640000  02F5F2
```

```
06802  032470*                                                          31540000
06803  032480*ADDED Z/84 BY EFF                                         31540000
06804  032490 259E-VERIFY-TAG-RECAP-LINE1.                              31260000
06805  032500     IF LINE-NUMBER-R OF NM110REC NUMERIC                  31560000  02F5FE
06806  032510         IF LINE-NUMBER-R OF NM110REC NOT EQUAL 1          31570000  02F60C
06807  032520             MOVE TURN-ON TO STRUC-ERR-SW                  31580000  02F61C
06808  032530             MOVE CHK TO NON-SEQ-TAG-RECAPT.               31590000  02F622
06809  032540*END OF ADDITION EFF                                       31540000
06810  032550*                                                          31650000
06811  032560 260-WRITE-RPT3-STRUC.                                     31660000
06812  032570     MOVE SEQUENCE-NUMBER OF NM110REC TO RPT3-SEQ-NBR.     31670000  02F62E
06813  032580     MOVE REPLICATE-NUMBER OF NM110REC TO RPT3-REP-NBR.    31680000  02F634
06814  032590     MOVE SPECIES-CODE OF NM110REC TO RPT3-SPECIES-CODE.   31690000  02F63A
06815  032600     MOVE SPECIES-STATUS OF NM110REC TO RPT3-SPECIES-STATUS. 31700000 02F640
06816  032610     MOVE LINE-NUMBER OF NM110REC TO RPT3-LINE-NBR.        31710000  02F646
06817  032620     IF MSTR-ANNULUS-RECORD OR MSTR-INDIV-RECORD OR        31720000  02F64C
06818  032630         MSTR-SPECIES-RECORD                               31730000
06819  032640             MOVE DASH TO RPT1-DASH                        31740000  02F664
06820  032650     ELSE                                                  31750000
06821  032660         MOVE SPACES TO RPT1-DASH.                         31760000  02F66E
06822  032670     IF R3-LINE-CNT GREATER THAN 58                        31770000  02F672
06823  032680         PERFORM 262-WRITE-RPT3-STRUC-HEADING.             31780000  02F67C
06824  032690     WRITE STRUC-PRT-LINE FROM REPORT3-DETAIL-LINE         31790000  02F694
06825  032700         AFTER POSITIONING 2.                              31800000
06826  032710     MOVE SPACES TO REPORT3-DETAIL-LINE.                   31810000  02F6DE
06827  032720     ADD 2 TO R3-LINE-CNT.                                 31820000  02F6E8
06828  032730*                                                          31830000
06829  032740 262-WRITE-RPT3-STRUC-HEADING.                             31840000
06830  032750     ADD 1 TO R3-PAGE-CNT.                                 31850000  02F6F8
06831  032760     MOVE R3-PAGE-CNT TO R3-PAGE-NO.                       31860000  02F702
06832  032770     WRITE STRUC-PRT-LINE FROM REPORT3-HEAD1 AFTER POSITIONING 0. 31870000 02F71A
06833  032780     WRITE STRUC-PRT-LINE FROM REPORT3-HEAD2 AFTER POSITIONING 2. 31880000 02F760
06834  032790     WRITE STRUC-PRT-LINE FROM REPORT3-COL-HEAD1           31890000  02F7A6
06835  032800         AFTER POSITIONING 2.                              31900000
06836  032810     WRITE STRUC-PRT-LINE FROM REPORT3-COL-HEAD2           31910000  02F7EC
06837  032820         AFTER POSITIONING 1.                              31920000
06838  032830     WRITE STRUC-PRT-LINE FROM REPORT3-COL-HEAD3           31930000  02F832
06839  032840         AFTER POSITIONING 1.                              31940000
06840  032850     MOVE 6 TO R3-LINE-CNT.                                31950000  02F878
```

137 NM100 10.43.12 APR 3,1984

| | | | |
|---|---|---|---|
| DNM=8-379 | 88 | READ-MSTR | DNM=8-379 |
| DNM=8-424 | 88 | READ-TRAN | DNM=8-424 |
| DNM=8-470 | 88 | WRITE-RPT1 | DNM=8-470 |
| DNM=9-029 | 88 | WRITE-NEWMSTR | DNM=9-029 |
| DNM=9-080 | 88 | DUMMY-RD-ON | DNM=9-080 |
| DNM=9-105 | 88 | DUMMY-RD-OFF | DNM=9-105 |
| DNM=9-154 | 88 | EDIT-ERROR | DNM=9-154 |
| DNM=9-175 | 88 | NO-EDIT-ERRORS | DNM=9-175 |
| DNM=9-233 | 88 | EDIT-REJECT-ERROR | DNM=9-233 |
| DNM=9-286 | 88 | STRUC-ERR | DNM=9-286 |
| DNM=9-341 | 88 | DETAIL-LINE-WRITTEN | DNM=9-341 |
| DNM=9-403 | 88 | NO-CODE4-DATA-FOUND | DNM=9-403 |
| DNM=9-457 | 88 | NO-DECREASE | DNM=9-457 |
| DNM=10-000 | 88 | INVALID-GEAR | DNM=10-000 |
| DNM=10-054 | 88 | INVALID-STATION | DNM=10-054 |
| DNM=10-112 | 88 | STATION-NOT-FOUND | DNM=10-112 |
| DNM=10-140 | 88 | STATION-FOUND | DNM=10-140 |
| DNM=10-194 | 88 | END-OF-LIST | DNM=10-194 |
| DNM=10-245 | 88 | MASTER-ACTION | DNM=10-245 |
| DNM=10-304 | 88 | MISSING-DISTANCE | DNM=10-304 |
| DNM=10-359 | 88 | EOF-LATIN | DNM=10-359 |
| DNM=10-406 | 88 | TAG-MATCHED | DNM=10-406 |
| DNM=10-457 | 88 | SPECIES-FOUND | DNM=10-457 |
| DNM=11-301 | 88 | SPECIES-CODE-0 | DNM=11-301 |
| DNM=11-326 | 88 | SPECIES-CODE-1-OR-2 | DNM=11-326 |
| DNM=11-358 | 88 | SPECIES-CODE-3 | DNM=11-358 |
| DNM=11-386 | 88 | SPECIES-CODE-4-OR-7 | DNM=11-386 |
| | | | |
| DNM=11-418 | 88 | SPECIES-CODE-5 | DNM=11-418 |
| DNM=11-446 | 88 | SPECIES-CODE-6 | DNM=11-446 |
| DNM=24-367 | 88 | END-OF-TRANS | DNM=24-367 |
| DNM=24-392 | 88 | TR-ADD | DNM=24-392 |
| DNM=24-408 | 88 | TR-CHANGE | DNM=24-408 |
| DNM=24-431 | 88 | TR-DELETE | DNM=24-431 |
| DNM=24-454 | 88 | VALID-CHANGE-CODE | DNM=24-454 |
| DNM=25-000 | 88 | ENVIR-RECORD | DNM=25-000 |
| DNM=25-023 | 88 | REPLIC-RECORD | DNM=25-023 |
| DNM=25-047 | 88 | SPECIES-RECORD | DNM=25-047 |
| DNM=25-072 | 88 | INDIV-RECORD | DNM=25-072 |
| | | | |
| DNM=25-095 | 88 | ANNULUS-RECORD | DNM=25-095 |
| DNM=25-123 | 88 | DUP-INDIV-RECORD6 | DNM=25-123 |
| DNM=25-154 | 88 | DUP-INDIV-RECORD7 | DNM=25-154 |
| DNM=25-185 | 88 | TAG-RECAPTURE-RECORD | DNM=25-185 |
| DNM=33-451 | 88 | MSTR-ENVIR-RECORD | DNM=33-451 |
| DNM=33-479 | 88 | MSTR-REPLIC-RECORD | DNM=33-479 |
| DNM=34-000 | 88 | MSTR-SPECIES-RECORD | DNM=34-000 |
| DNM=34-033 | 88 | MSTR-INDIV-RECORD | DNM=34-033 |
| DNM=34-064 | 88 | MSTR-ANNULUS-RECORD | DNM=34-064 |
| DNM=34-094 | 88 | MSTR-TAG-RECAPTURE-RECORD | DNM=34-094 |
| DNM=34-161 | 88 | END-OF-MASTER | DNM=34-161 |
| DNM=34-423 | 88 | LINE1 | DNM=34-423 |
| DNM=34-444 | 88 | LINE2 | DNM=34-444 |
| DNM=35-196 | 88 | GRID-PROG | DNM=35-196 |
| DNM=35-218 | 88 | PROGRAM-001-TO-099 | DNM=35-218 |
| DNM=35-246 | 88 | PROGRAM-000-TO-699 | DNM=35-246 |
| DNM=35-277 | 88 | PROGRAM-400-TO-499 | DNM=35-277 |
| DNM=35-308 | 88 | PROGRAM-600-TO-699 | DNM=35-308 |
| DNM=35-339 | 88 | PROGRAM-700-TO-799 | DNM=35-339 |
| DNM=35-367 | 88 | PROGRAM-799-TO-899 | DNM=35-367 |

| | | | |
|---|---|---|---|
| DNM=35-429 | 88 | PROGRAM-050 | DNM=35-429 |
| DNM=35-457 | 88 | PROGRAM-051 | DNM=35-457 |
| DNM=36-000 | 88 | PROGRAM-055 | DNM=36-000 |
| DNM=36-028 | 88 | PROGRAM-060 | DNM=36-028 |
| DNM=36-053 | 88 | PROGRAM-100 | DNM=36-053 |
| DNM=36-078 | 88 | PROGRAM-105 | DNM=36-078 |
| DNM=36-106 | 88 | PROGRAM-110 | DNM=36-106 |
| DNM=36-134 | 88 | PROGRAM-115 | DNM=36-134 |
| DNM=36-162 | 88 | PROGRAM-120 | DNM=36-162 |
| DNM=36-187 | 88 | PROGRAM-125 | DNM=36-187 |
| DNM=36-215 | 88 | PROGRAM-126 | DNM=36-215 |
| DNM=36-240 | 88 | PROGRAM-130 | DNM=36-240 |
| DNM=36-265 | 88 | PROGRAM-150 | DNM=36-265 |
| DNM=36-293 | 88 | PROGRAM-160 | DNM=36-293 |
| DNM=36-321 | 88 | PROGRAM-170-OR-180 | DNM=36-321 |
| DNM=36-352 | 88 | PROGRAM-175 | DNM=36-352 |
| DNM=36-380 | 88 | PROGRAM-300 | DNM=36-380 |
| DNM=36-408 | 88 | PROGRAM-320 | DNM=36-408 |
| DNM=36-436 | 88 | PROGRAM-330 | DNM=36-436 |
| DNM=36-464 | 88 | PROGRAM-340 | DNM=36-464 |
| DNM=37-000 | 88 | PROGRAM-350 | DNM=37-000 |
| DNM=37-025 | 88 | PROGRAM-400 | DNM=37-025 |
| DNM=37-050 | 88 | PROGRAM-410 | DNM=37-050 |
| DNM=37-078 | 88 | PROGRAM-420 | DNM=37-078 |
| DNM=37-103 | 88 | PROGRAM-421-OR-422 | DNM=37-103 |
| DNM=37-134 | 88 | PROGRAM-430-OR-440 | DNM=37-134 |
| DNM=37-165 | 88 | PROGRAM-431-OR-441 | DNM=37-165 |
| DNM=37-193 | 88 | PROGRAM-432-OR-442 | DNM=37-193 |
| DNM=37-224 | 88 | PROGRAM-433-OR-443 | DNM=37-224 |
| DNM=37-255 | 88 | PROGRAM-434-OR-444 | DNM=37-255 |
| DNM=37-283 | 88 | PROGRAM-435-OR-445 | DNM=37-283 |
| DNM=37-314 | 88 | PROGRAM-436-OR-446 | DNM=37-314 |
| DNM=37-345 | 88 | PROGRAM-437-OR-447 | DNM=37-345 |
| DNM=37-376 | 88 | PROGRAM-438 | DNM=37-376 |
| DNM=37-404 | 88 | PROGRAM-450 | DNM=37-404 |
| DNM=37-429 | 88 | PROGRAM-460 | DNM=37-429 |
| DNM=37-457 | 88 | PROGRAM-470 | DNM=37-457 |
| DNM=38-000 | 88 | PROGRAM-500 | DNM=38-000 |
| DNM=38-028 | 88 | PROGRAM-510 | DNM=38-028 |
| DNM=38-056 | 88 | PROGRAM-530 | DNM=38-056 |
| DNM=38-081 | 88 | PROGRAM-540 | DNM=38-081 |
| DNM=38-106 | 88 | PROGRAM-550 | DNM=38-106 |
| DNM=38-134 | 88 | PROGRAM-610 | DNM=38-134 |
| DNM=38-159 | 88 | PROGRAM-615 | DNM=38-159 |
| DNM=38-187 | 88 | PROGRAM-618 | DNM=38-187 |
| DNM=38-215 | 88 | PROGRAM-620 | DNM=38-215 |
| DNM=38-240 | 88 | PROGRAM-630 | DNM=38-240 |
| DNM=38-265 | 88 | PROGRAM-650 | DNM=38-265 |
| DNM=38-293 | 88 | PROGRAM-660 | DNM=38-293 |
| DNM=38-321 | 88 | PROGRAM-670 | DNM=38-321 |
| DNM=38-349 | 88 | PROGRAM-680 | DNM=38-349 |
| DNM=38-377 | 88 | PROGRAM-690 | DNM=38-377 |
| DNM=38-405 | 88 | PROGRAM-700 | DNM=38-405 |
| DNM=38-430 | 88 | PROGRAM-705 | DNM=38-430 |
| DNM=38-455 | 88 | PROGRAM-710 | DNM=38-455 |
| DNM=38-483 | 88 | PROGRAM-715 | DNM=38-483 |
| DNM=39-000 | 88 | PROGRAM-720 | DNM=39-000 |
| DNM=39-028 | 88 | PROGRAM-725 | DNM=39-028 |
| DNM=39-053 | 88 | PROGRAM-730 | DNM=39-053 |
| DNM=39-081 | 88 | PROGRAM-735 | DNM=39-081 |

```
DNM=39-109    88  PROGRAM-740                          DNM=39-109
DNM=39-137    88  PROGRAM-745                          DNM=39-137
DNM=39-165    88  PROGRAM-750                          DNM=39-165
DNM=39-190    88  PROGRAM-755                          DNM=39-190
DNM=39-218    88  PROGRAM-760                          DNM=39-218
DNM=39-246    88  PROGRAM-765                          DNM=39-246
DNM=39-271    88  PROGRAM-770                          DNM=39-271

DNM=39-296    88  PROGRAM-775                          DNM=39-296
DNM=39-321    88  PROGRAM-930                          DNM=39-321
DNM=40-084    88  START-LOC-26-TO-40                   DNM=40-084
DNM=40-115    88  START-LOC-0-TO-23                    DNM=40-115
DNM=40-288    88  VALID-NUMER-GRID                     DNM=40-288
DNM=40-349    88  VALID-ALPHA-GRID                     DNM=40-349
DNM=41-033    88  VALID-GEAR-OF-ZERO                   DNM=41-033
DNM=41-068    88  VALID-GEAR-OF-999                    DNM=41-068
DNM=41-102    88  VALID-GEAR-FOR-PGM050                DNM=41-102
DNM=41-133    88  VALID-GEAR-FOR-PGM051                DNM=41-133
DNM=41-167    88  VALID-GEAR-FOR-PGM055                DNM=41-167
DNM=41-201    88  VALID-GEAR-FOR-PGM060                DNM=41-201
DNM=41-235    88  VALID-GEAR-FOR-PGM100                DNM=41-235
DNM=41-266    88  VALID-GEAR-FOR-PGM105                DNM=41-266
DNM=41-301    88  VALID-GEAR-FOR-PGM110                DNM=41-301
DNM=41-335    88  VALID-GEAR-FOR-PGM115                DNM=41-335
DNM=41-369    88  VALID-GEAR-FOR-PGM120                DNM=41-369
DNM=41-403    88  VALID-GEAR-FOR-PGM125                DNM=41-403
DNM=41-438    88  VALID-GEAR-FOR-PGM126                DNM=41-438
DNM=41-476    88  VALID-GEAR-FOR-PGM130                DNM=41-476
DNM=42-000    88  VALID-GEAR-FOR-PGM150                DNM=42-000
DNM=42-034    88  VALID-GEAR-FOR-PGM160                DNM=42-034
DNM=42-065    88  VALID-GEAR-FOR-PGM170-180            DNM=42-065
DNM=42-100    88  VALID-GEAR-FOR-PGM175                DNM=42-100
DNM=42-138    88  VALID-GEAR-FOR-PGM300                DNM=42-138
DNM=42-172    88  VALID-GEAR-FOR-PGM320                DNM=42-172
DNM=42-210    88  VALID-GEAR-FOR-PGM330                DNM=42-210
DNM=42-244    88  VALID-GEAR-FOR-PGM340                DNM=42-244
DNM=42-282    88  VALID-GEAR-FOR-PGM350                DNM=42-282
DNM=42-313    88  VALID-GEAR-FOR-PGM400                DNM=42-313
DNM=42-347    88  VALID-GEAR-FOR-PGM410                DNM=42-347
DNM=42-381    88  VALID-GEAR-FOR-PGM420                DNM=42-381
DNM=42-415    88  VALID-GEAR-FOR-PGM421-422            DNM=42-415
```

```
           DNM=42-457     88  VALID-GEAR-FOR-PGM430-440          DNM=42-457
           DNM=43-000     88  VALID-GEAR-FOR-PGM431-441          DNM=43-000
           DNM=43-042     88  VALID-GEAR-FOR-PGM432-442          DNM=43-042
           DNM=43-081     88  VALID-GEAR-FOR-PGM433-443          DNM=43-081
           DNM=43-119     88  VALID-GEAR-FOR-PGM434-444          DNM=43-119
           DNM=43-157     88  VALID-GEAR-FOR-PGM435-445          DNM=43-157
           DNM=43-192     88  VALID-GEAR-FOR-PGM436-446          DNM=43-192
           DNM=43-234     88  VALID-GEAR-FOR-PGM437-447          DNM=43-234
           DNM=43-272     88  VALID-GEAR-FOR-PGM438              DNM=43-272
           DNM=43-306     88  VALID-GEAR-FOR-PGM450              DNM=43-306
           DNM=43-340     88  VALID-GEAR-FOR-PGM460              DNM=43-340
           DNM=43-374     88  VALID-GEAR-FOR-PGM470              DNM=43-374
           DNM=43-405     88  VALID-GEAR-FOR-PGM500              DNM=43-405
           DNM=43-439     88  VALID-GEAR-FOR-PGM510              DNM=43-439
           DNM=43-473     88  VALID-GEAR-FOR-PGM530              DNM=43-473
           DNM=44-000     88  VALID-GEAR-FOR-PGM540              DNM=44-000
           DNM=44-034     88  VALID-GEAR-FOR-PGM550              DNM=44-034
           DNM=44-068     88  VALID-GEAR-FOR-PGM610              DNM=44-068
           DNM=44-099     88  VALID-GEAR-FOR-PGM615              DNM=44-099
           DNM=44-137     88  VALID-GEAR-FOR-PGM618              DNM=44-137
           DNM=44-175     88  VALID-GEAR-FOR-PGM620              DNM=44-175
           DNM=44-210     88  VALID-GEAR-FOR-PGM630              DNM=44-210
           DNM=44-248     88  VALID-GEAR-FOR-PGM650              DNM=44-248
           DNM=44-286     88  VALID-GEAR-FOR-PGM660              DNM=44-286
           DNM=44-320     88  VALID-GEAR-FOR-PGM670              DNM=44-320
           DNM=44-355     88  VALID-GEAR-FOR-PGM680              DNM=44-355
           DNM=44-389     88  VALID-GEAR-FOR-PGM690              DNM=44-389
           DNM=44-420     88  VALID-GEAR-FOR-PGM700              DNM=44-420
           DNM=44-454     88  VALID-GEAR-FOR-PGM705              DNM=44-454
           DNM=45-000     88  VALID-GEAR-FOR-PGM710              DNM=45-000
           DNM=45-034     88  VALID-GEAR-FOR-PGM715              DNM=45-034
           DNM=45-072     88  VALID-GEAR-FOR-PGM720              DNM=45-072
           DNM=45-106     88  VALID-GEAR-FOR-PGM725              DNM=45-106
           DNM=45-140     88  VALID-GEAR-FOR-PGM730              DNM=45-140
           DNM=45-171     88  VALID-GEAR-FOR-PGM735              DNM=45-171
           DNM=45-202     88  VALID-GEAR-FOR-PGM740              DNM=45-202
           DNM=45-236     88  VALID-GEAR-FOR-PGM745              DNM=45-236
           DNM=45-274     88  VALID-GEAR-FOR-PGM750              DNM=45-274
           DNM=45-312     88  VALID-GEAR-FOR-PGM755              DNM=45-312
           DNM=45-350     88  VALID-GEAR-FOR-PGM760              DNM=45-350
           DNM=45-384     88  VALID-GEAR-FOR-PGM765              DNM=45-384
           DNM=45-418     88  VALID-GEAR-FOR-PGM770              DNM=45-418
           DNM=45-456     88  VALID-GEAR-FOR-PGM775              DNM=45-456
           DNM=49-228     88  SPECIES-CODE3-6-CNT                DNM=49-228
           DNM=50-266     88  AGE-STATUS-2                       DNM=50-266
           DNM=54-401     88  CNVT-SDN-IS-ZERO                   DNM=54-401
```

| | | | | | |
|---|---|---|---|---|---|
| DNM=54-461 | 88 | CNVT-JULIAN5-IS-ZERO | DNM=54-461 | | |
| DNM=55-104 | 88 | CNVT-JULIAN7-IS-ZERO | DNM=55-104 | | |
| DNM=55-238 | 88 | CNVT-MDY6-IS-ZERO | DNM=55-238 | | |
| DNM=55-388 | 88 | CNVT-MDY8-IS-ZERO | DNM=55-388 | | |
| DNM=56-060 | 88 | CNVT-YMD6-IS-ZERO | DNM=56-060 | | |
| DNM=56-213 | 88 | CNVT-YMD8-IS-ZERO | DNM=56-213 | | |
| DNM=57-282 | 88 | CVT-SON-IS-ZERO | DNM=57-282 | | |
| DNM=57-337 | 88 | CVT-JULIAN5-IS-ZERO | DNM=57-337 | | |
| DNM=57-467 | 88 | CVT-JULIAN7-IS-ZERO | DNM=57-467 | | |
| DNM=58-098 | 88 | CVT-MDY6-IS-ZERO | DNM=58-098 | | |
| DNM=58-246 | 88 | CVT-MDY8-IS-ZERO | DNM=58-246 | | |
| DNM=58-419 | 88 | CVT-YMD6-IS-ZERO | DNM=58-419 | | |
| DNM=59-070 | 88 | CVT-YMD8-IS-ZERO | DNM=59-070 | | |
| DNM=60-289 | 88 | END-OF-ENVIR-PRELOAD | DNM=60-289 | | |
| DNM=61-226 | | EPL-IX | DNM=61-226 | INDEX-NM | |
| DNM=62-401 | | LATIN-INDEX | DNM=62-401 | INDEX-NM | |
| DNM=63-279 | | TAG-INDEX | DNM=63-279 | INDEX-NM | |
| DNM=74-386 | 88 | LAST-TYPE-ENVIR | DNM=74-386 | | |
| DNM=74-412 | 88 | LAST-TYPE-REPLIC | DNM=74-412 | | |
| DNM=74-439 | 88 | LAST-TYPE-SPECIES | DNM=74-439 | | |
| DNM=74-470 | 88 | LAST-TYPE-INDIV | DNM=74-470 | | |
| DNM=75-000 | 88 | LAST-TYPE-ANNULUS | DNM=75-000 | | |
| DNM=75-031 | 88 | LAST-TYPE-TAG-RECAPT | DNM=75-031 | | |
| DNM=123-215 | | LOC-1-IX | DNM=123-215 | INDEX-NM | |
| DNM=123-296 | | STA-1-IX | DNM=123-296 | INDEX-NM | |
| DNM=144-061 | | LOC-2-IX | DNM=144-061 | INDEX-NM | |
| DNM=144-144 | | STA-2-IX | DNM=144-144 | INDEX-NM | |
| DNM=146-369 | | LOC-3-IX | DNM=146-369 | INDEX-NM | |
| DNM=146-453 | | STA-3-IX | DNM=146-453 | INDEX-NM | |

MEMORY MAP

| | |
|---|---|
| TGT | 267A8 |
| SAVE AREA | 267AB |
| SWITCH | 267F0 |
| TALLY | 267F4 |
| SORT SAVE | 267F8 |
| ENTRY-SAVE | 267FC |
| SORT CORE SIZE | 26800 |
| RET CODE | 26804 |
| SORT RET | 26806 |
| WORKING CELLS | 26809 |
| SORT FILE SIZE | 2693B |
| SORT MODE SIZE | 2693C |
| PGT-VN TBL | 26940 |
| TGT-VN TBL | 26944 |
| RESERVED | 26948 |
| LENGTH OF VN TBL | 2694C |
| LABEL RET | 2694E |
| RESERVED | 2694F |
| DBG R14SAVE | 26950 |
| COBOL INDICATOR | 26954 |
| A(INITI) | 26958 |
| DEBUG TABLE PTR | 2695C |
| SUBCOM PTR | 26960 |
| SORT-MESSAGE | 26964 |
| SYSOUT DDNAME | 2696C |
| RESERVED | 26960 |
| COBOL ID | 2696F |
| COMPILED POINTER | 26970 |
| COUNT TABLE ADDRESS | 26974 |
| RESERVED | 26978 |
| DBG R11SAVE | 26980 |
| COUNT CHAIN ADDRESS | 26984 |
| PRBLI CELL PTR | 26988 |
| RESERVED | 2698C |
| TA LENGTH | 26991 |
| RESERVED | 26994 |
| PCS LIT PTR | 2699C |
| DEBUGGING | 269A0 |
| CD-FOR-INITIAL-INPUT | 269A4 |
| OVERFLOW CELLS | 269A8 |
| BL CELLS | 269A9 |
| DECBADR CELLS | 26A60 |
| FIB CELLS | 26A60 |
| TEMP STORAGE | 26A68 |
| TEMP STORAGE-2 | 26A78 |
| TEMP STORAGE-3 | 26A90 |
| TEMP STORAGE-4 | 26A90 |
| SLL CELLS | 26AA0 |
| VLC CELLS | 26AAC |
| SBL CELLS | 26AAC |
| INDEX CELLS | 26AAC |
| SUBADR CELLS | 26AD0 |
| ONCTL CELLS | 26AE4 |
| PFMCTL CELLS | 26AE4 |

```
                PERMSAV CELLS                   26AE4
                VM CELLS                        26D08
                SAVE AREA =2                    270C0
                SAVE AREA =3                    270C0
                XSASW CELLS                     270D8
                XSA CELLS                       270DC
                PARAM CELLS                     270EC
                RPTSAV AREA                     27158
                CHECKPT CTR                     27158

    LITERAL POOL (HEX)

    27528 (LIT+0)   002E1C00 01000001 000E0000 00000007 00080007 00000009
    27540 (LIT+24)  01AB01AB 00000049 40202068 20212040 20682020 20682021
    27558 (LIT+48)  20046C70 0C799C69 9C800C99 9C050C91 1C200C05 1C531C94
    27570 (LIT+72)  0C420C05 5C556C55 0C213C30 0C500C06 0C100C31 1C530C53
    27588 (LIT+96)  8C212C13 0C535C10 5C645C11 0C559C11 5C245C60 5C120C33
    275A0 (LIT+120) 0C240C21 0C211C55 7C558C12 5C126C15 0C230C22 0C250C96
    275B8 (LIT+144) 0C390C24 7C160C60 0C170C18 0C351C35 2C353C53 2C570C57
    275D0 (LIT+168) 4C552C92 6C950C92 5C920C83 5C175C32 0C340C35 0C400C22
    275E8 (LIT+192) 2C232C24 2C421C42 2C410C43 0C440C11 7C415C43 1C441C43
    27600 (LIT+216) 2C442C43 3C443C51 0C534C55 3C554C57 2C434C44 4C435C44
    27618 (LIT+240) 5C436C44 6C437C44 7C438C42 4C412C11 8C450C46 0C470C11
    27630 (LIT+264) 1C575C74 0C560C31 0C536C54 0C610C75 4C830C61 5C805C61
    27648 (LIT+288) 8C620C74 6C630C76 6C650C75 8C660C81 1C670C68 0C690C71
    27660 (LIT+312) 3C810C23 1C515C70 5C710C71 5C720C11 9C411C41 3C423C72
    27678 (LIT+336) 5C730C73 5C745C75 0C755C76 0C765C77 0C775C49 9C930C00
    27690 (LIT+360) 15000C00 C921E609 99999999 999CF020 21202048 202020F0
    276A8 (LIT+384) F0F0F0F0 F0F0F0F0 F0F0F000 000F0001 00000003 00001F03
    276C0 (LIT+408) 00020BB8 00000006 F0F1F9F9 F9F9F9F9 F9058C40 20202021
    276D8 (LIT+432) 20005FF0 F0F1006F E2D6D9E3 D4E2C740 E2D6D9E3 40C6C9C5
    276F0 (LIT+456) D3C4E27E 4DF0F0F0 F36BF0F2 F36BC3C8 6BC16BF0 F0F0F26B
    27708 (LIT+480) F0F0F16B C3C86BC1 6BF0F0F0 F16BF0F0 F16BC3C8 6BC15D40
    27720 (LIT+504) 00000000 00000000 00000000 00004009 C5C3D6D9 C440E3E8
    27738 (LIT+528) D7C57EC6 6BD3C5D5 C7E3C87E 4DF0F0F1 F2F85D40 10000000
    27750 (LIT+552) 1C000000 00481400 00000080 C1C1E9E9 F2F6F0F0 F0F0F0F0
    27768 (LIT+576) F0F0F4F0 F0F0F0F0 F0F0F0F0 F2F3F0F0 F0F0F0F0 F0F0C4E4
    27780 (LIT+600) D9C1E3C9 D6D54DD6 D940C1D9 C5C1E2C1 D4D7D3C5 40E2C9E9
    27798 (LIT+624) C5404040 40C3D6D3 D3C5C3E3 40E2C9E9 C5404040 E2E4C2E2
    277B0 (LIT+648) C1D4D7D3 C540C3D6 E4D5E3E3 D6E3C1D3 40C3D6E4 D5E3E2C1
    277C8 (LIT+672) D4D7D3C5 40E6C5C9 C7C8E3E2 E4C2E2C1 D4D740E6 C7C8E340
    277E0 (LIT+696) E3D6E3C1 D340E6C5 C9C7C8E3 C4C1E3C5 C3D5E5E3

        DISPLAY LITERALS (BCD)

    277F4 (LTL+716)  'SEQUENCE ERROR OR DUPLICATE ENTRY IN PRELOAD FILE. PREV'
    2782C (LTL+772)  'IOUS ENTRY WAS .  CURRENT ENTRY IS PROGRAM ABENDED BECAU'
    27864 (LTL+828)  'SE OF SORT RETURN CODE THERE WERE  ENTRIES LOADED INTO T'
    2789C (LTL+884)  'HE SPECIES NAME TABLE FROM MFSPP  TABLE CAPACXITY FOR M'


    278D4 (LTL+940)  'FSPP REACHED AT 427 RECORDS - NO FURTHER RECORDS WILL BE'
    2790C (LTL+996)  ' INPUT - ERRORS MAY RESULT  END OF NM100 RECAPTURES EXCE'
    27944 (LTL+1052) 'ED 3000.'
```

```
                PGT                         27160

                DEBUG LINKAGE AREA          27160
                OVERFLOW CELLS              27160
                VIRTUAL CELLS               27164
                VIRTUAL EBCDIC NAMES        2719C
                PROCEDURE NAME CELLS        2720C
                GENERATED-NAME CELLS        2720C
                DCB ADDRESS CELLS           2721C
                VNI CELLS                   2723C
                LITERALS                    27528
                DISPLAY LITERALS            27FE4
                PROCEDURE BLOCK CELLS       2794C

CEEI

    REGISTER ASSIGNMENT

     REG 6      BL =10
     REG 7      BL =9
     REG 8      BL =28
     REG 9      BL =27
     REG 10     BL =15

WORKING-STORAGE STARTS AT LOCATION 000A0 FOR A LENGTH OF 25E28.


    PROCEDURE BLOCK ASSIGNMENT

     PBL = REG 11

     PBL =1     STARTS AT LOCATION 027970  STATEMENT 4549
     PBL =2     STARTS AT LOCATION 028798  STATEMENT 4787
     PBL =3     STARTS AT LOCATION 029552  STATEMENT 4992
     PBL =4     STARTS AT LOCATION 02A3E4  STATEMENT 5216
     PBL =5     STARTS AT LOCATION 02B3A4  STATEMENT 5294
     PBL =6     STARTS AT LOCATION 02C19A  STATEMENT 5382
     PBL =7     STARTS AT LOCATION 02D02E  STATEMENT 5693
     PBL =8     STARTS AT LOCATION 02DE8A  STATEMENT 6063
     PBL =9     STARTS AT LOCATION 02ECC4  STATEMENT 6444
```

5513 UNSTRING 02F894

```
*STATISTICS*     SOURCE RECORDS = 6840     DATA DIVISION STATEMENTS = 3906     PROCEDURE DIVISION STATEMENTS = 1286
*OPTIONS IN EFFECT*     SIZE = 262144  BUF =  30720  LINECNT = 54  SPACE1, FLAGW,    SEQ,    SOURCE
*OPTIONS IN EFFECT*     -DMAP, NOPMAP,  CLIST,  SUPMAP, NOXREF,  SXREF,  LOAD, NODECK, APOST, NOTRUNC, NOFLOW
*OPTIONS IN EFFECT*     NOTERM, NONUM, NOBATCH, NONAME, COMPILE=01, NOSTATE,  RESIDENT, NODYNAM, NOLIB,  CSYNTAX
*OPTIONS IN EFFECT*       OPTIMIZE, NOSYMDMP, NOTEST,  VERB,  ZWB, SYST, NOENDJOB, NOLVL
*OPTIONS IN EFFECT*     NOLST , NOFDECK,NOCDECK, LCOL2,  L120,  DUMP , NOADV , NOPRINT,
*OPTIONS IN EFFECT*     NOCOUNT, NOVBSUM, NOVBREF, LANGLVL(2)
```

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| ADJUST-ZERO-DATE | 1424 | 6050 6055 |
| AGE-CONFLICT | 1624 | 5854 |
| AGE-LT-SPAWN-MARK | 1560 | 5692 |
| AGE-STATUS-2 | 1122 | 6554 |
| ANL-AGE | 0728 | 4806 4807 5164 |
| ANL-AGE | 1133 | 5164 |
| ANL-AGE-R | 1134 | 5820 5830 5851 5852 |
| ANL-DIST | 1171 | 5758 5775 5776 5778 5791 5793 5817 5878 5883 |
| ANL-DIST-ERROR | 1537 | 5828 |
| ANL-DISTANCE1 | 0735 | 4814 4816 5164 |
| ANL-DISTANCE1 | 1140 | 5164 |
| ANL-DISTANCE10 | 0744 | 4850 4852 5164 |
| ANL-DISTANCE10 | 1149 | 5164 |
| ANL-DISTANCE11 | 0745 | 4854 4856 5164 |
| ANL-DISTANCE11 | 1150 | 5164 |
| ANL-DISTANCE12 | 0746 | 4858 4860 5164 |
| ANL-DISTANCE12 | 1151 | 5164 |
| ANL-DISTANCE13 | 0747 | 4862 4864 5164 |
| ANL-DISTANCE13 | 1152 | 5164 |
| ANL-DISTANCE14 | 0748 | 4866 4868 5164 |
| ANL-DISTANCE14 | 1153 | 5164 |
| ANL-DISTANCE15 | 0749 | 4870 4872 5164 |
| ANL-DISTANCE15 | 1154 | 5164 |
| ANL-DISTANCE16 | 0750 | 4874 4876 5164 |
| ANL-DISTANCE16 | 1155 | 5164 |
| ANL-DISTANCE17 | 0751 | 4878 4880 5164 |
| ANL-DISTANCE17 | 1156 | 5164 |
| ANL-DISTANCE18 | 0752 | 4882 4884 5164 |
| ANL-DISTANCE18 | 1157 | 5164 |
| ANL-DISTANCE19 | 0753 | 4886 4888 5164 |
| ANL-DISTANCE19 | 1158 | 5164 |
| ANL-DISTANCE2 | 0736 | 4818 4820 5164 |
| ANL-DISTANCE2 | 1141 | 5164 |
| ANL-DISTANCE20 | 0754 | 4890 4892 5164 |
| ANL-DISTANCE20 | 1159 | 5164 |
| ANL-DISTANCE21 | 0755 | 4894 4896 5164 |
| ANL-DISTANCE21 | 1160 | 5164 |
| ANL-DISTANCE22 | 0756 | 4898 4900 5164 |
| ANL-DISTANCE22 | 1161 | 5164 |
| ANL-DISTANCE23 | 0757 | 4902 4904 5164 |
| ANL-DISTANCE23 | 1162 | 5164 |
| ANL-DISTANCE24 | 0758 | 4906 4908 5164 |
| ANL-DISTANCE24 | 1163 | 5164 |
| ANL-DISTANCE25 | 0759 | 4910 4912 5164 |
| ANL-DISTANCE25 | 1164 | 5164 |
| ANL-DISTANCE26 | 0760 | 4914 4916 5164 |
| ANL-DISTANCE26 | 1165 | 5164 |
| ANL-DISTANCE27 | 0761 | 4918 4920 5164 |
| ANL-DISTANCE27 | 1166 | 5164 |
| ANL-DISTANCE28 | 0762 | 4922 4924 5164 |
| ANL-DISTANCE28 | 1167 | 5164 |
| ANL-DISTANCE29 | 0763 | 4926 4928 5164 |
| ANL-DISTANCE29 | 1168 | 5164 |
| ANL-DISTANCE3 | 0737 | 4822 4824 5164 |
| ANL-DISTANCE3 | 1142 | 5164 |
| ANL-DISTANCE30 | 0764 | 4930 4932 5164 |
| ANL-DISTANCE30 | 1169 | 5164 |
| ANL-DISTANCE4 | 0738 | 4826 4828 5164 |
| ANL-DISTANCE4 | 1143 | 5164 |
| ANL-DISTANCE5 | 0739 | 4830 4832 5164 |
| ANL-DISTANCE5 | 1144 | 5164 |
| ANL-DISTANCE6 | 0740 | 4834 4836 5164 |
| ANL-DISTANCE6 | 1145 | 5164 |
| ANL-DISTANCE7 | 0741 | 4838 4840 5164 |
| ANL-DISTANCE7 | 1146 | 5164 |
| ANL-DISTANCE8 | 0742 | 4842 4844 5164 |
| ANL-DISTANCE8 | 1147 | 5164 |
| ANL-DISTANCE9 | 0743 | 4846 4848 5164 |
| ANL-DISTANCE9 | 1148 | 5164 |
| ANL-LTH-TO-EDGE | 0730 | 4799 4801 4804 4805 5164 |
| ANL-LTH-TO-EDGE | 1135 | 5164 5788 5820 |
| ANL-LTH-TO-EDGE-ERR | 1558 | 5799 |
| ANL-LTH-TO-EDGE-R | 1136 | 5776 5778 5797 |
| ANL-MARGIN-INCR | 0732 | 4809 4811 5164 |
| ANL-MARGIN-INCR | 1137 | 5164 5788 |
| ANL-MARGIN-INCR-R | 1138 | 5774 5778 5786 5793 5796 5820 |
| ANNL-SPWN | 1665 | 5870 |
| ANNULUS-RECORD | 0609 | 4615 5163 6087 |
| ARRANGE-HOLD-AREA | 1412 | 5022 5025 |
| ARRANGE-LAST | 1417 | 5011 5021 5030 5031 |
| ARRANGE-LIMIT | 1416 | 5007 5017 5031 |
| ARRANGE-SS1 | 1414 | 5011 5015 5019 5021 5022 5023 |
| ARRANGE-SS2 | 1415 | 5012 5016 5017 5019 5023 5025 |
| CAUSE-ABEND | 0110 | 4594 4960 5926 |
| CHK | 0117 | 6720 6727 6743 6778 6784 6790 6796 6801 6808 |
| CNVT-ALPHA-ABBRV | 1268 | 5992 |
| CNVT-ALPHA-DATE | 1278 | 5982 |
| CNVT-DAY-OF-THE-WEEK | 1282 | 5982 |
| CNVT-JULIAN5 | 1224 | 5982 |
| CNVT-JULIAN7 | 1230 | 5982 |
| CNVT-MDY6 | 1236 | 5982 |
| CNVT-MDY8 | 1243 | 5982 |
| CNVT-SDN | 1222 | 5982 5992 5995 6057 |
| CNVT-YMD6 | 1252 | 5990 5993 6055 |
| CNVT-YMD8 | 1259 | 5982 |
| CODE4-DATA-FOUND-SW | 0154 | 6400 6582 |
| COLLECT-SIZ | 1463 | 5496 |
| COMP-LEN | 0212 | 5793 5796 5797 |
| CONVERT-FIELD | 1385 | 5471 5475 5510 5513 5570 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| | | 5579 5588 |
| CONVERTED-DECIMAL-12 | 1387 | 5474 5478 5504 5518 5573 |
| | | 5582 5591 |
| DASH | 0118 | 5201 6088 6106 6819 |
| DATE-MODIFIED | 1063 | 5239 |
| DATE-MODIFIED | 1072 | 5244 |
| DATE-MODIFIED | 1098 | 5249 |
| DATE-MODIFIED | 1131 | 5254 |
| DATE-MODIFIED | 1176 | 5259 |
| DATE-MODIFIED | 1201 | 5264 |
| DATE-PROGRAM | 0128 | 5986 5987 |
| DATE-REC1-REC9-ERROR | 1626 | 6008 6062 |
| DATECALC-LINKAGE | 1219 | 5987 |
| DAY-OUT-CONFLICT | 1702 | 6036 |
| DAYS-OUT | 0775 | 4940 4942 5167 |
| DAYS-OUT | 1194 | 5167 6017 6030 6033 6036 |
| DAYS-OUT-R | 1195 | 6027 |
| DEC-CHECK-FLD | 0294 | 5393 |
| DEC-CK-1 | 0295 | 5417 |
| DEC-CK-2 | 0296 | 5419 |
| DEC-CK-3 | 0297 | 5421 |
| DEC-CK-4 | 0298 | 5423 |
| DEC-CNT | 0293 | 5394 5396 5418 5420 5422 |
| | | 5424 |
| DECREASE-SW | 0156 | 5801 5885 |
| DETAIL-LINE-WRITTEN | 0153 | 6095 6139 |
| DETAIL-LINE-WRITTEN-SW | 0152 | 4563 4699 5108 6134 6145 |
| | | 6258 6307 6335 6370 6531 |
| DIST-TRAVELED | 0776 | 5167 |
| DIST-TRAVELED | 1196 | 5167 5972 5975 |
| DIST-TRAVELED-ERR | 1705 | 5976 |
| DUMMY-RD-OFF | 0144 | 5091 |
| DUMMY-RD-SW | 0142 | 4966 5101 5135 |
| DUP-INDIV-CNT6 | 0303 | 4629 4657 |
| DUP-INDIV-CNT7 | 0308 | 4640 4670 |
| DUP-INDIV-LTH6 | 0304 | 4658 |
| DUP-INDIV-LTH7 | 0309 | 4671 |
| DUP-INDIV-MAT7 | 0311 | 4673 |
| DUP-INDIV-RECORD6 | 0610 | 4623 |
| DUP-INDIV-RECORD7 | 0611 | 4634 |
| DUP-INDIV-SEX7 | 0310 | 4672 |
| DUP-RECORD-DESC | 0300 | 4624 4635 |
| DUP-TAG-RECAPT | 0579 | 6784 |
| DUPLICATE-INDIV-RECS | 1520 | 6608 |
| EDIT-ERROR-SW | 0145 | 4692 5271 5276 5290 5364 |
| | | 5379 5387 5397 5404 5411 |
| | | 5480 5485 5494 5525 5530 |
| | | 5538 5546 5554 5575 5584 |
| | | 5593 5603 5614 5632 5639 |
| | | 5646 5653 5664 5671 5691 |
| | | 5701 5709 5716 5721 5728 |
| | | 5734 5740 5749 5783 5798 |
| | | 5823 5827 5832 5847 5853 |
| | | 5868 5902 5966 5974 6005 |
| | | 6011 6028 6035 6043 6059 |
| | | 6220 6290 6314 6342 6382 |
| | | 6390 6424 6437 6450 6463 |
| | | 6523 6532 6534 6561 6569 |
| | | 6607 6615 6623 6630 6635 |
| | | 6644 |
| EDIT-REJECT-ERROR-SW | 0148 | 5188 5223 |
| END-OF-ENVIR-PRELOAD | 1360 | 4567 4581 |
| END-OF-LIST | 0166 | 5445 5453 |
| END-OF-LIST-SW | 0165 | 5369 5462 5468 |
| END-OF-MASTER | 0801 | 4948 5073 5096 |
| END-OF-TRANS | 0599 | 4574 4620 4948 5073 |
| ENVIR-AIR-TEMP | 0651 | 5152 |
| ENVIR-AIR-TEMP | 1043 | 5152 |
| ENVIR-ALLOWED-ACT | 0668 | 5152 |
| ENVIR-ALLOWED-ACT | 1060 | 5152 |
| ENVIR-ALPHA-GRID | 0638 | 5152 |
| ENVIR-ALPHA-GRID | 0919 | 5152 |
| ENVIR-BAROMETER | 0661 | 5152 |
| ENVIR-BAROMETER | 1053 | 5152 |
| ENVIR-BOTTOM-DO | 0658 | 5152 |
| ENVIR-BOTTOM-DO | 1050 | 5152 |
| ENVIR-BOTTOM-PROFILE | 0649 | 4722 4723 5152 |
| ENVIR-BOTTOM-PROFILE | 1041 | 5152 |
| ENVIR-BOTTOM-SALIN | 0655 | 5152 |
| ENVIR-BOTTOM-SALIN | 1047 | 5152 |
| ENVIR-BOTTOM-TEMP | 0653 | 5152 |
| ENVIR-BOTTOM-TEMP | 1045 | 5152 |
| ENVIR-BOTTOM-TYPE | 0648 | 4720 4721 5152 |
| ENVIR-BOTTOM-TYPE | 1040 | 5152 |
| ENVIR-CONDUCT | 0656 | 5152 |
| ENVIR-CONDUCT | 1048 | 5152 |
| ENVIR-CURRENT-DIRECT | 0664 | 5152 |
| ENVIR-CURRENT-DIRECT | 1056 | 5152 |
| ENVIR-CURRENT-SPEED | 0665 | 5152 |
| ENVIR-CURRENT-SPEED | 1057 | 5152 |
| ENVIR-DATE | 0629 | 5152 |
| ENVIR-DATE | 0898 | 5152 |
| ENVIR-DEPTH | 0650 | 4724 4725 5152 |
| ENVIR-DEPTH | 1042 | 5152 |
| ENVIR-DURAT-ERR | 1651 | 5405 |
| ENVIR-DURATION-ERROR | 1647 | 5407 |
| ENVIR-DURATION-OR-AREA | 0641 | 4706 4707 5152 |
| ENVIR-DURATION-OR-AREA | 0923 | 5152 5392 5393 5402 5405 |
| ENVIR-END-TIME | 0640 | 5152 |
| ENVIR-END-TIME | 0922 | 5152 |
| ENVIR-GEAR-PARM1 | 0643 | 4710 4711 5152 |
| ENVIR-GEAR-PARM1 | 1035 | 5152 |
| ENVIR-GEAR-PARM2 | 0644 | 4712 4713 5152 |
| ENVIR-GEAR-PARM2 | 1036 | 5152 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| ENVIR-GEAR-PARM3 | 0645 | 4714 4715 5152 |
| ENVIR-GEAR-PARM3 | 1037 | 5152 |
| ENVIR-GEAR-TYPE | 0642 | 4691 4693 4701 4708 4709 5152 |
| ENVIR-GEAR-TYPE | 0924 | 5152 5412 |
| ENVIR-GEAR-TYPE-R | 0925 | 5366 |
| ENVIR-GRID | 0916 | 5272 |
| ENVIR-LATITUTE | 0632 | 5152 |
| ENVIR-LATITUTE | 0912 | 5152 |
| ENVIR-LOC-NOT-FOUND | 1608 | 5381 |
| ENVIR-LONGITUDE | 0633 | 5152 |
| ENVIR-LONGITUDE | 0913 | 5152 |
| ENVIR-NON-ZERO-GEAR | 1653 | 5413 |
| ENVIR-NUMBER-REPLIC | 0669 | 5152 |
| ENVIR-NUMBER-REPLIC | 1061 | 5152 5409 6260 |
| ENVIR-NUMER-GRID | 0637 | 5152 |
| ENVIR-NUMER-GRID | 0917 | 5152 |
| ENVIR-NO-GEAR | 1657 | 5412 |
| ENVIR-PH | 0659 | 5152 |
| ENVIR-PH | 1051 | 5152 |
| ENVIR-PRELOAD-FILE | 0028 | 4561 4572 4579 |
| ENVIR-PRELOAD-REC | 0046 | 4579 |
| ENVIR-QUAD | 0639 | 5152 |
| ENVIR-QUAD | 0921 | 5152 |
| ENVIR-RECORD | 0605 | 4603 4651 5151 |
| ENVIR-RIG | 0646 | 4716 4717 5152 |
| ENVIR-RIG | 1038 | 5152 |
| ENVIR-START-LOC | 0631 | 4686 |
| ENVIR-START-LOC | 0907 | 5389 |
| ENVIR-START-LOC-R | 0914 | 5371 |
| ENVIR-STAT-NUMBER | 0630 | 4685 5152 |
| ENVIR-STAT-NUMBER | 0906 | 5152 5372 5388 5440 5458 5464 |
| ENVIR-STATE-ALTER | 0667 | 4726 4727 5152 |
| ENVIR-STATE-ALTER | 1059 | 5152 |
| ENVIR-SURFACE-DD | 0657 | 5152 |
| ENVIR-SURFACE-DD | 1049 | 5152 |
| ENVIR-SURFACE-SALIN | 0654 | 5152 |
| ENVIR-SURFACE-SALIN | 1046 | 5152 |
| ENVIR-SURFACE-TEMP | 0652 | 5152 |
| ENVIR-SURFACE-TEMP | 1044 | 5152 |
| ENVIR-TYPE-OF-TOW | 0647 | 4718 4719 5152 |
| ENVIR-TYPE-OF-TOW | 1039 | 5152 |
| ENVIR-WATER-LEVEL | 0666 | 5152 |
| ENVIR-WATER-LEVEL | 1058 | 5152 |
| ENVIR-WEATHER | 0660 | 5152 |
| ENVIR-WEATHER | 1052 | 5152 |
| ENVIR-WIND-DIRECT | 0662 | 5152 |
| ENVIR-WIND-DIRECT | 1054 | 5152 |
| ENVIR-WIND-SPEED | 0663 | 5152 |
| ENVIR-WIND-SPEED | 1055 | 5152 |
| ENVIR-YY | 0099 | 5275 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| EOF-LATIN | 0172 | 4977 |
| EOF-LATIN-SW | 0171 | 4992 5004 |
| EPL-IX | 1377 | 4566 4569 4586 4588 4597 4687 4704 |
| ERR-DAYS-DIFF | 1639 | 6029 |
| ERR-DAYS-OUT | 1637 | 6030 |
| ERR-DISTANCE-TRAVELED | 1710 | 5975 |
| ERR-ENVIR-DATE | 1630 | 6007 6061 |
| ERR-MSG-CODE | 1517 | 6291 6562 |
| ERR-MSG-GRID | 1469 | 5272 |
| ERR-MSG-LTH | 1526 | 6631 |
| ERR-MSG-REPS | 1454 | 6308 |
| ERR-MSG-SPECS | 1477 | 6336 |
| ERR-MSG-SUBSAM | 1536 | 6374 |
| ERR-PRT-LINE | 0081 | 6135 6141 6146 6153 6154 6155 6157 |
| ERR-RECAPT-DATE | 1632 | 6006 6060 |
| ERR-SPE-CNTR | 1685 | 6426 6439 6452 6465 |
| ERR-TAG-CNTR | 1683 | 6425 6438 6451 6464 |
| ERR-TAG-TYPE | 1677 | 5967 |
| ERR-TAG-TYPX | 1687 | 6427 6440 6453 6466 |
| ERROR-RPT | 0034 | 4562 5064 6135 6141 6146 6153 6154 6155 6157 |
| FLD-NAME-IN-ERR | 1447 | 5398 5481 5486 5526 5531 5547 5576 5585 5594 |
| FLD-NOT-NUMERIC-ERR | 1446 | 5399 5482 5487 5527 5532 5548 5577 5586 5595 |
| FORM-OF-RECORD-TYPE-IV-ERR | 1714 | 5672 |
| GEAR-TYPEX | 1570 | 5366 |
| GRID-NOT-FORMATTED | 1465 | 5273 |
| GRID-PROG | 0021 | 5269 |
| HOLD-CONVERSION | 1388 | 5504 5509 5518 |
| IND-AGE-STAT-ERR | 1564 | 5848 |
| INDIV-AGE | 0720 | 4789 4791 5161 |
| INDIV-AGE | 1124 | 5161 5696 5704 5712 5727 5731 |
| INDIV-AGE-INCONSIS | 1587 | 5702 5710 5717 |
| INDIV-AGE-R | 1125 | 5687 5719 |
| INDIV-AGE-STAT-ERR2 | 1589 | 5722 |
| INDIV-AGE-STAT-ERR3 | 1591 | 5729 |
| INDIV-AGE-STAT-ERR4 | 1593 | 5735 |
| INDIV-AGE-STATUS | 0718 | 5161 |
| INDIV-AGE-STATUS | 1121 | 5161 5696 5704 5712 5719 5724 5731 6555 |
| INDIV-AGE-STRUCTURE | 0719 | 5161 |
| INDIV-AGE-STRUCTURE | 1123 | 5161 5696 5704 5712 |
| INDIV-CNT | 0702 | 4657 4670 4781 4783 5161 |
| INDIV-CNT | 1100 | 5161 |
| INDIV-CNT-R | 1101 | 6567 6580 |
| INDIV-COUNT-ERR | 1550 | 6624 |
| INDIV-DETAILS | 0705 | 4628 4639 |
| INDIV-DETAILS | 1109 | 6568 6581 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| INDIV-EGG-CNT | 0713 | 5161 |
| INDIV-EGG-CNT | 1112 | 5161 |
| INDIV-EGG-STAGE | 0714 | 5161 |
| INDIV-EGG-STAGE | 1113 | 5161 |
| INDIV-LINE-ERR | 1552 | 6620 6636 |
| INDIV-LTH | 0703 | 4658 4671 4785 4787 5161 |
| INDIV-LTH | 1103 | 5161 |
| INDIV-LTH-DISCREP | 1522 | 6632 |
| INDIV-LTH-R | 1104 | 6285 6628 |
| INDIV-MATURE | 0709 | 4673 5161 |
| INDIV-MATURE | 1108 | 5161 |
| INDIV-PARM1 | 0710 | 5161 |
| INDIV-PARM1 | 1109 | 5161 |
| INDIV-PARM2 | 0711 | 5161 |
| INDIV-PARM2 | 1110 | 5161 |
| INDIV-PARM3 | 0712 | 5161 |
| INDIV-PARM3 | 1111 | 5161 |
| INDIV-RECORD | 0608 | 4612 5160 6087 |
| INDIV-SEX | 0708 | 4672 5161 |
| INDIV-SEX | 1107 | 5161 |
| INDIV-SPAWN-MARK-CNT | 0722 | 4793 4795 5161 |
| INDIV-SPAWN-MARK-CNT | 1126 | 5161 5696 5704 5712 5731 |
| INDIV-SPAWN-MARK-CNT-R | 1127 | 5687 |
| INDIV-SPWN | 1663 | 5869 |
| INDIV-STATUS | 0715 | 5161 |
| INDIV-STATUS | 1114 | 5161 5746 |
| INDIV-TAG-NBR | 0716 | 5161 |
| INDIV-TAG-NBR | 1115 | 5161 5737 5741 5746 |
| INDIV-TAG-NBR-R | 1116 | 6284 |
| INDIV-TAG-NMBR-ALPHAB | 1118 | 5737 |
| INDIV-TAG-NMBR-DIGIT | 1120 | 5737 |
| INDIV-WGT | 0707 | 5161 |
| INDIV-WGT | 1106 | 5161 |
| INV-GEAR-CODE | 1620 | 4693 |
| INVAL-CHG-CODE | 1441 | 5179 5222 |
| INVALID-GEAR-MSG | 1566 | 5367 |
| INVALID-GEAR-SW | 0158 | 5362 5363 |
| INVALID-INDIV-FORMAT | 1518 | 6570 |
| INVALID-REC-FOR-CODE | 1513 | 6292 6563 |
| INVALID-SPECIES-CODE-6 | 1602 | 6645 |
| INVALID-STA-MSG | 1573 | 5390 |
| INVALID-STATION | 0161 | 5386 |
| INVALID-STATION-SW | 0160 | 5369 5375 5437 |
| LAST-LINE-NBR | 1732 | 6502 6503 |
| LAST-REC-TYPE | 1719 | 6195 6593 |
| LAST-RECORD-KEY | 1726 | 6194 |
| LAST-REP-NBR | 1728 | 6275 6324 6325 6593 |
| LAST-SEQ-NBR | 1727 | 6265 6275 6296 6297 6593 |
| LAST-SPECIES-GROUP | 1729 | 6360 6361 6521 6593 |
| LATIN-FILE | 0036 | 4975 4979 4986 |
| LATIN-INDEX | 1404 | 6210 |
| LATIN-NAME-TABLE | 1404 | 4986 5022 5023 5025 6210 |
| LATIN-RECORD | 0104 | 4986 |
| LATIN-SUBSCR | 0123 | 4976 4978 4982 4986 4988 4989 4993 4995 4997 4998 5000 5035 |
| LATIN-TOTAL | 0126 | 4978 4981 5007 |
| LINE-NUMBER | 0622 | 4625 4636 4656 4669 4695 5137 5229 6086 |
| LINE-NUMBER | 0810 | 4695 5137 5197 5229 6103 6502 6782 6816 |
| LINE-NUMBER-CNTR | 0218 | 4625 4636 4656 4664 4669 4679 |
| LINE-NUMBER-R | 0813 | 6773 6776 6785 6788 6793 6794 6805 6806 |
| LINE1 | 0811 | 6614 |
| LINE2 | 0812 | 6634 |
| LINE2-ERR-MSG | 0497 | 6140 |
| LNGTH-LAST-ANNL-INCONSIS | 1606 | 5784 |
| LOC-WITH-04-42-STATIONS | 4369 | 5432 |
| LOC-WITH-1-3-STATIONS | 3474 | 5382 |
| LOC-WITH-43-138-STATIONS | 4539 | 5450 |
| LOC-1-IX | 3474 | 5382 5440 |
| LOC-2-IX | 4369 | 5432 5458 5461 |
| LOC-3-IX | 4539 | 5450 5464 5467 |
| LOCATION-CODE | 1613 | 5380 |
| MASTER-ACTION | 0168 | 6174 6186 |
| MASTER-ACTION-SW | 0167 | 5133 5227 6175 |
| MATURITY | 0779 | 5167 |
| MATURITY | 1199 | 5167 |
| MINUS-1 | 0217 | 5810 |
| MISSING-ANNULUS | 1562 | 6533 |
| MISSING-CODE3-NMBR2 | 1622 | 6524 |
| MISSING-DISTANCE-SW | 0169 | 5801 5819 5880 |
| MISSING-ENVIR | 0573 | 6720 |
| MISSING-INDIV-DATA | 1554 | 6391 |
| MISSING-INDIV-REC | 0585 | 6801 |
| MISSING-REPLIC | 0575 | 6727 |
| MISSING-SPECIES | 0577 | 6743 |
| MSTR-ANNULUS-RECORD | 0798 | 5199 5257 6104 6186 6241 6287 6713 6721 6737 6763 6817 |
| MSTR-CONTROL | 0800 | 5115 5118 6194 6707 |
| MSTR-ENVIR-RECORD | 0794 | 5237 6183 6226 6259 |
| MSTR-INDIV-RECORD | 0797 | 5199 5252 6104 6238 6281 6713 6721 6737 6749 6752 6817 |
| MSTR-REPLIC-RECORD | 0795 | 5242 6183 6229 6262 6713 |
| MSTR-SPECIES-RECORD | 0796 | 5199 5247 6104 6232 6270 6713 6721 6817 |
| MSTR-TAG-RECAPTURE-RECORD | 0799 | 5262 6244 6713 6721 6737 6756 6759 |
| NBR-AFTER-UPDATE | 0192 | 5046 6198 |
| NBR-ANL-DIST-GT-AGE | 1556 | 5833 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| NBR-BEFORE-UPDATE | 0191 | 5045 5097 |
| NBR-OCCURS-ENVIR-PRELOAD | 1374 | 4569 |
| NBR-RECS-ADDED | 0188 | 5047 5140 |
| NBR-RECS-CHG | 0189 | 5048 5232 |
| NBR-RECS-DEL | 0190 | 5049 6071 |
| NBR-TAGGED-ERR | 1585 | 5665 |
| NEW-MAST | 0032 | 4962 5064 6197 |
| NEWMST-REC | 0067 | 6197 |
| NM100REC | 0597 | 4600 4602 4645 4665 4680 |
| | | 4947 5104 5106 |
| NM110REC | 0792 | 4700 5093 5095 5100 5136 |
| | | 5726 6197 6227 6230 6233 |
| | | 6239 6242 6245 6316 6317 |
| | | 6319 6344 6345 6347 6384 |
| | | 6385 6387 6393 6394 6396 |
| | | 6429 6430 6432 6442 6443 |
| | | 6445 6455 6456 6458 6468 |
| | | 6469 6471 6525 6526 6528 |
| | | 6537 6538 6540 |
| NO-CODE4-DATA-FOUND | 0155 | 6389 |
| NO-DECREASE | 0157 | 5826 |
| NO-REC | 1442 | 5183 5187 |
| NON-NUMERIC-GEAR | 1615 | 4694 |
| NON-SEQ-INDIV-REC | 0583 | 6778 6796 |
| NON-SEQ-TAG-RECAPT | 0581 | 6790 6808 |
| NONEQUAL-LTH-AND-MARGIN | 1604 | 5824 |
| NOT-ADD | 1431 | 5218 |
| NOT-CHG | 1432 | 5182 |
| NOT-DEL | 1433 | 5186 |
| NUM-OF-SPAWN-MARKS | 0767 | 4934 4936 5164 |
| NUM-OF-SPAWN-MARKS | 1172 | 5164 5870 |
| NUM-OF-SPAWN-MARKS-R | 1173 | 5864 5866 |
| NUM-SPEC-REC | 1475 | 6337 |
| NUMB-INDIV-RECS | 0210 | 6371 6375 6477 6567 6580 |
| NUMB-REP-RECS | 0196 | 6266 6268 6306 6320 |
| NUMB-SPEC-RECS | 0198 | 6277 6279 6334 6337 6348 |
| NUMBER-DECIMAL | 1391 | 5511 |
| NUMBER-OF-FIELDS | 1394 | 5509 5513 |
| NUMBER-UNITS | 1390 | 5511 |
| NUMBR-INDIV-RECX | 1534 | 6375 |
| OCCURRENCE-CODE-3 | 0208 | 6521 6542 6597 6599 6606 |
| | | 6611 6614 |
| OLD-MAST | 0029 | 4961 5064 5093 |
| OLDMST-REC | 0053 | 5093 5095 5100 |
| PROG-NUMBRX | 1572 | 5365 |
| PROGRAM-TYPE | 0628 | 4684 5152 |
| PROGRAM-TYPE | 0819 | 5152 |
| PROGRAM-TYPE-R | 0820 | 5365 |
| PROGRAM-000-TO-699 | 0823 | 5287 |
| PROGRAM-050 | 0829 | 5294 |
| PROGRAM-051 | 0830 | 5294 |
| PROGRAM-055 | 0831 | 5294 |
| PROGRAM-060 | 0832 | 5294 |
| PROGRAM-100 | 0833 | 5294 |
| PROGRAM-105 | 0834 | 5294 |
| PROGRAM-110 | 0835 | 5294 |
| PROGRAM-115 | 0836 | 5294 |
| PROGRAM-120 | 0837 | 5294 |
| PROGRAM-125 | 0838 | 5294 |
| PROGRAM-126 | 0839 | 5294 |
| PROGRAM-130 | 0840 | 5294 |
| PROGRAM-150 | 0841 | 5294 |
| PROGRAM-160 | 0842 | 5294 |
| PROGRAM-170-OR-180 | 0843 | 5294 |
| PROGRAM-175 | 0844 | 5294 |
| PROGRAM-300 | 0845 | 5294 |
| PROGRAM-320 | 0846 | 5294 |
| PROGRAM-330 | 0847 | 5294 |
| PROGRAM-340 | 0848 | 5294 |
| PROGRAM-350 | 0849 | 5294 |
| PROGRAM-400 | 0850 | 5294 |
| PROGRAM-400-TO-499 | 0824 | 5372 |
| PROGRAM-410 | 0851 | 5294 |
| PROGRAM-420 | 0852 | 5294 |
| PROGRAM-421-OR-422 | 0853 | 5294 |
| PROGRAM-430-OR-440 | 0854 | 5294 |
| PROGRAM-431-OR-441 | 0855 | 5294 |
| PROGRAM-432-OR-442 | 0856 | 5294 |
| PROGRAM-433-OR-443 | 0857 | 5294 |
| PROGRAM-434-OR-444 | 0858 | 5294 |
| PROGRAM-435-OR-445 | 0859 | 5294 |
| PROGRAM-436-OR-446 | 0860 | 5294 |
| PROGRAM-437-OR-447 | 0861 | 5294 |
| PROGRAM-438 | 0862 | 5294 |
| PROGRAM-450 | 0863 | 5294 |
| PROGRAM-460 | 0864 | 5294 |
| PROGRAM-470 | 0865 | 5294 |
| PROGRAM-500 | 0866 | 5294 |
| PROGRAM-510 | 0867 | 5294 |
| PROGRAM-530 | 0868 | 5294 |
| PROGRAM-540 | 0869 | 5294 |
| PROGRAM-550 | 0870 | 5294 |
| PROGRAM-600-TO-699 | 0825 | 5372 |
| PROGRAM-610 | 0871 | 5294 |
| PROGRAM-615 | 0872 | 5294 |
| PROGRAM-618 | 0873 | 5294 |
| PROGRAM-620 | 0874 | 5294 |
| PROGRAM-630 | 0875 | 5294 |
| PROGRAM-650 | 0876 | 5294 |
| PROGRAM-660 | 0877 | 5294 |
| PROGRAM-670 | 0878 | 5294 |
| PROGRAM-680 | 0879 | 5294 |
| PROGRAM-690 | 0880 | 5294 |
| PROGRAM-700 | 0881 | 5294 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| PROGRAM-700-TO-799 | 0826 | 5287 5372 |
| PROGRAM-705 | 0882 | 5294 |
| PROGRAM-710 | 0883 | 5294 |
| PROGRAM-715 | 0884 | 5294 |
| PROGRAM-720 | 0885 | 5294 |
| PROGRAM-725 | 0886 | 5294 |
| PROGRAM-730 | 0887 | 5294 |
| PROGRAM-735 | 0888 | 5294 |
| PROGRAM-740 | 0889 | 5294 |
| PROGRAM-745 | 0890 | 5294 |
| PROGRAM-750 | 0891 | 5294 |
| PROGRAM-755 | 0892 | 5294 |
| PROGRAM-760 | 0893 | 5294 |
| PROGRAM-765 | 0894 | 5294 |
| PROGRAM-770 | 0895 | 5294 |
| PROGRAM-775 | 0896 | 5294 |
| PROGRAM-800-TO-999 | 0828 | 5287 |
| PROGRAM-930 | 0897 | 5372 |
| READ-MSTR | 0135 | 5069 |
| READ-MSTR-SW | 0134 | 4965 5085 6074 6077 |
| READ-TRAN | 0137 | 5071 |
| READ-TRAN-SW | 0136 | 4965 5107 5126 5206 |
| REC-ADD | 1436 | 5142 |
| REC-ALREADY | 1443 | 5219 |
| REC-CHG | 1437 | 5234 |
| REC-DEL | 1438 | 6070 |
| REC-REJECT-TOT | 0187 | 5044 6091 |
| RECAPT-DAYS-OUT-ERR | 1633 | 6031 |
| RECAPTURE-DATE | 0772 | 5167 |
| RECAPTURE-DATE | 1184 | 5167 |
| RECAPTURE-DATE-R | 1188 | 5896 5990 6006 6012 6050 6060 |
| RECAPTURE-GEAR | 0774 | 5167 |
| RECAPTURE-GEAR | 1193 | 5167 |
| RECAPTURE-LENGTH | 0777 | 5167 |
| RECAPTURE-LENGTH | 1197 | 5167 |
| RECAPTURE-LOC | 0773 | 5167 |
| RECAPTURE-LOC | 1192 | 5167 5972 |
| RECAPTURE-WEIGHT | 0778 | 5167 |
| RECAPTURE-WEIGHT | 1198 | 5167 |
| RECORD-TYPE | 0604 | 4627 4638 4696 5118 5138 5230 6081 |
| RECORD-TYPE | 0793 | 4696 5118 5138 5192 5230 6098 6195 6593 |
| REPLIC-RECORD | 0606 | 4606 5154 |
| REPLICATE-NUMBER | 0618 | 4652 4695 5137 5229 6083 |
| REPLICATE-NUMBER | 0806 | 4695 5137 5194 5229 5669 6100 6275 6324 6593 6813 |
| REPORT1-COL-HEAD1 | 0340 | 6125 |
| REPORT1-COL-HEAD2 | 0353 | 6127 |
| REPORT1-DETAIL-LINE | 0368 | 6116 |
| REPORT1-HEAD1 | 0320 | 6123 |
| REPORT1-HEAD2 | 0331 | 6124 |
| REPORT1-TOTAL-LINE1 | 0388 | 5052 |
| REPORT1-TOTAL-LINE2 | 0394 | 5054 |
| REPORT1-TOTAL-LINE3 | 0400 | 5056 |
| REPORT1-TOTAL-LINE4 | 0406 | 5058 |
| REPORT1-TOTAL-LINE5 | 0412 | 5060 |
| REPORT1-TOTAL-LINE6 | 0418 | 5062 |
| REPORT2-COL-HEAD1 | 0450 | 6155 |
| REPORT2-COL-HEAD2 | 0464 | 6157 |
| REPORT2-DETAIL-LINE | 0478 | 6135 6146 |
| REPORT2-HEAD1 | 0430 | 6153 |
| REPORT2-HEAD2 | 0441 | 6154 |
| REPORT3-COL-HEAD1 | 0525 | 6834 |
| REPORT3-COL-HEAD2 | 0539 | 6836 |
| REPORT3-COL-HEAD3 | 0553 | 6838 |
| REPORT3-DETAIL-LINE | 0561 | 6824 6826 |
| REPORT3-HEAD1 | 0505 | 6832 |
| REPORT3-HEAD2 | 0516 | 6833 |
| REPS-DONT-MATCH | 1450 | 6313 |
| ROLLOUT-AREA | 0285 | 6316 6319 6344 6347 6384 6387 6393 6396 6429 6432 6442 6445 6455 6458 6468 6471 6525 6528 6537 6540 |
| RP-COLLECT-SIZE | 0671 | 4732 4734 4737 5155 |
| RP-COLLECT-SIZE | 1065 | 5155 5475 |
| RP-COLLECT-SIZE-CNVRT | 1398 | 5478 5484 5489 5496 |
| RP-NUMBER-SPECIES | 0675 | 5155 |
| RP-NUMBER-SPECIES | 1069 | 5155 6263 |
| RP-QUALITY | 0676 | 5155 |
| RP-QUALITY | 1070 | 5155 |
| RP-SAMPLE-SIZE | 0673 | 4738 4740 4743 5155 |
| RP-SAMPLE-SIZE | 1067 | 5155 5471 |
| RP-SAMPLE-SIZE-CNVRT | 1397 | 5474 5479 5489 5495 |
| RPT-NBR-AFTER-UPD | 0420 | 5046 |
| RPT-NBR-BEFORE-UPD | 0390 | 5045 |
| RPT-NBR-RECS-ADDED | 0396 | 5047 |
| RPT-NBR-RECS-CHG | 0402 | 5048 |
| RPT-NBR-RECS-DEL | 0408 | 5049 |
| RPT-REJECT-TOT | 0414 | 5044 |
| RPT1-DASH | 0377 | 5201 5203 6088 6090 6819 6821 |
| RPT1-DATA | 0386 | 6115 |
| RPT1-ERROR | 0384 | 5179 5183 5187 5198 5219 5222 |
| RPT1-LINE-NBR | 0380 | 5197 6086 |
| RPT1-MESSAGE | 0382 | 5142 5178 5182 5186 5218 5221 5234 6070 |
| RPT1-REC-TYPE | 0370 | 5192 6081 |
| RPT1-REP-NBR | 0374 | 5194 6083 |
| RPT1-SEQ-NBR | 0372 | 5193 6082 |
| RPT1-SPECIES-CODE | 0376 | 5195 6084 |
| RPT1-SPECIES-STATUS | 0378 | 5196 6085 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| RPT2-DASH | 0487 | 6106 6108 |
| RPT2-DETAIL-LINE2 | 0495 | 6141 |
| RPT2-ERR-MSG | 0492 | 4694 5273 5277 5291 5367 |
| | | 5381 5390 5399 5407 5413 |
| | | 5482 5487 5497 5527 5532 |
| | | 5543 5548 5559 5577 5586 |
| | | 5595 5606 5617 5633 5640 |
| | | 5647 5654 5665 5672 5692 |
| | | 5702 5710 5717 5722 5729 |
| | | 5735 5742 5750 5784 5799 |
| | | 5824 5828 5833 5848 5854 |
| | | 5871 5904 5968 5976 6008 |
| | | 6014 6031 6037 6046 6062 |
| | | 6140 6222 6292 6313 6338 |
| | | 6376 6391 6428 6441 6454 |
| | | 6467 6524 6533 6563 6570 |
| | | 6608 6620 6624 6632 6636 |
| | | 6645 |
| RPT2-LINE-NBR | 0490 | 6103 |
| RPT2-REC-TYPE | 0480 | 6098 |
| RPT2-REP-NBR | 0484 | 6100 |
| RPT2-SEQ-NBR | 0482 | 6099 |
| RPT2-SPECIES-CODE | 0486 | 6101 |
| RPT2-SPECIES-STATUS | 0488 | 6102 |
| RPT3-LINE-NBR | 0571 | 6816 |
| RPT3-REP-NBR | 0565 | 6813 |
| RPT3-SEQ-NBR | 0563 | 6812 |
| RPT3-SPECIES-CODE | 0567 | 6814 |
| RPT3-SPECIES-STATUS | 0569 | 6815 |
| R1-LINE-CNT | 0112 | 5050 6113 6118 6129 |
| R1-PAGE-CNT | 0111 | 6121 6122 |
| R1-PAGE-NO | 0328 | 6122 |
| R1-RUN-DATE | 0337 | 4964 |
| R2-LINE-CNT | 0114 | 6132 6137 6143 6148 6159 |
| R2-PAGE-CNT | 0113 | 6151 6152 |
| R2-PAGE-NO | 0438 | 6152 |
| R2-RUN-DATE | 0447 | 4564 |
| R3-LINE-CNT | 0116 | 6822 6827 6840 |
| R3-PAGE-CNT | 0115 | 6830 6831 |
| R3-PAGE-NO | 0513 | 6831 |
| R3-RUN-DATE | 0522 | 4964 |
| SAMPLE-EXCEEDS-COLLECTION | 1456 | 5497 |
| SAMPLE-SIZ | 1461 | 5495 |
| SAMPLE-SIZE-EXC-COLLECTION | 1498 | 5559 |
| SAMPLE-WGT-EXCEEDS-TOTAL | 1505 | 5617 |
| SAVE-ANNULUS | 0269 | 6242 |
| SAVE-ENVIR | 0224 | 6227 6315 6317 6321 |
| SAVE-ENVIR-DATE-R | 0232 | 5896 5993 6007 6013 6061 |
| SAVE-ENVIR-KEY | 0226 | 6716 |
| SAVE-INDIV | 0257 | 5726 6239 6526 6536 6538 |
| | | 6541 |
| SAVE-INDIV-AGE-R | 0264 | 5851 5852 |
| SAVE-INDIV-AGE-STATUS | 0219 | 5844 5845 6186 6188 6503 |
| | | 6530 6535 6555 |
| SAVE-INDIV-KEY | 0259 | 6749 6752 6763 |
| SAVE-INDIV-LINE | 0260 | 6773 |
| SAVE-INDIV-LINE-R | 0261 | 6775 |
| SAVE-INDIV-LTH | 0207 | 6285 6477 6628 6631 |
| SAVE-INDIV-SPAWN-MARK | 0265 | 5869 |
| SAVE-INDIV-SPAWN-MARK-R | 0266 | 5864 5866 |
| SAVE-NUM-REPS | 0195 | 6260 6306 6308 6320 |
| SAVE-NUM-SPECIES | 0197 | 6263 6334 6336 6348 |
| SAVE-NUM-SUBSAMPLES | 0206 | 6271 6371 6374 6477 |
| SAVE-REPLIC | 0237 | 6230 6343 6345 6349 |
| SAVE-REPLIC-KEY | 0239 | 6723 |
| SAVE-SPE-NUMBR-TAGGED1 | 0249 | 6426 6452 |
| SAVE-SPE-NUMBR-TAGGED1-R | 0250 | 6420 6421 6446 6447 |
| SAVE-SPE-NUMBR-TAGGED2 | 0253 | 6439 6465 |
| SAVE-SPE-NUMBR-TAGGED2-R | 0254 | 6433 6434 6459 6460 |
| SAVE-SPE-TAG1 | 0248 | 5946 5955 6421 6427 6447 |
| | | 6453 |
| SAVE-SPE-TAG2 | 0252 | 5946 5955 6434 6440 6460 |
| | | 6466 |
| SAVE-SPEC-CODE | 0199 | 6273 6288 6291 6476 6559 |
| | | 6562 |
| SAVE-SPECIES | 0241 | 6233 6383 6385 6392 6394 |
| | | 6430 6443 6456 6469 6479 |
| SAVE-SPECIES-KEY | 0243 | 6739 |
| SAVE-TAG-NO | 0211 | 6284 |
| SAVE-TAG-RECAPT | 0276 | 6245 |
| SAVE-TAG-RECAPT-KEY | 0278 | 6756 6759 |
| SAVE-TAG-RECAPT-LINE | 0280 | 6782 6785 |
| SAVE-TAG-RECAPT-LINE-R | 0281 | 6787 |
| SAVE-TAG-RECAPT-TAG1 | 0220 | 5946 5949 5952 6421 6434 |
| | | 6474 |
| SAVE-TAG-RECAPT-TAG1-CNTR | 0221 | 5950 5953 6421 6425 6434 |
| | | 6438 6472 |
| SAVE-TAG-RECAPT-TAG2 | 0222 | 5955 5958 5962 6447 6460 |
| | | 6474 |
| SAVE-TAG-RECAPT-TAG2-CNTR | 0223 | 5960 5964 6447 6451 6460 |
| | | 6464 6472 |
| SDN-DATE-DIFF | 0216 | 6019 6027 6029 |
| SDN-ENVIR-DATE | 0215 | 5995 6003 6019 6058 |
| SDN-RECAPT-DATE | 0214 | 5992 6003 6010 6017 6019 |
| | | 6033 6057 6058 6064 |
| SEARCH-ENVIR-PROGRAM-TYPE | 1354 | 4684 |
| SEARCH-ENVIR-START-LOC | 1355 | 4686 |
| SEARCH-ENVIR-STAT-NUM | 1356 | 4685 |
| SEARCH-PRELOAD-KEY | 1353 | 4584 4585 4590 4687 |
| SEQ-FILLER | 0617 | 4695 5137 5229 |
| SEQ-FILLER | 0805 | 4695 5137 5229 |
| SEQ-YR | 0616 | 4695 5137 5229 |
| SEQ-YR | 0804 | 4695 5137 5229 5275 |
| SEQUENCE-NUMBER | 0615 | 4621 4649 6082 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| SEQUENCE-NUMBER | 0803 | 5193 6099 6265 6275 6296 6593 6812 |
| SORT-ACTION | 0094 | 4550 |
| SORT-FILE | 0090 | 4550 5104 |
| SORT-KEY | 0096 | 4550 |
| SORT-REC | 0093 | 4645 4646 4665 4666 4680 4681 5104 |
| SORT-TYPE | 0095 | 4550 |
| SPAWN-CONFLICT | 1659 | 5871 |
| SPE-INDIV-FORMAT-CODE | 0695 | 5158 |
| SPE-INDIV-FORMAT-CODE | 1090 | 5158 5669 6273 |
| SPE-NBR-TAGGED1 | 0697 | 4771 4773 5158 |
| SPE-NBR-TAGGED1 | 1092 | 5158 5629 5636 |
| SPE-NBR-TAGGED1-R | 1093 | 5637 |
| SPE-NBR-TAGGED2 | 0699 | 4775 4777 5158 |
| SPE-NBR-TAGGED2 | 1095 | 5158 5643 5650 |
| SPE-NBR-TAGGED2-R | 1096 | 5651 |
| SPE-SAMP-WGHTX | 1503 | 5605 |
| SPE-SAMPLE-CNT | 0683 | 4754 4756 5158 |
| SPE-SAMPLE-CNT | 1078 | 5158 |
| SPE-SAMPLE-CNT-R | 1079 | 5529 5534 5539 5550 5555 5662 |
| SPE-SAMPLE-NMBRX | 1493 | 5555 |
| SPE-SAMPLE-WGHTX | 1509 | 5615 |
| SPE-SAMPLE-WGT | 0686 | 4758 4760 5158 |
| SPE-SAMPLE-WGT | 1081 | 5158 5570 |
| SPE-SAMPLE-WGT-CNVRT | 1399 | 5573 5574 5597 5605 5608 5615 |
| SPE-SUB-WGHTX | 1501 | 5604 |
| SPE-SUBSAMPLE-CNT | 0689 | 4762 4764 5158 |
| SPE-SUBSAMPLE-CNT | 1084 | 5158 6271 |
| SPE-SUBSAMPLE-CNT-R | 1085 | 5524 5534 5541 |
| SPE-SUBSAMPLE-WGT | 0692 | 4766 4768 5158 |
| SPE-SUBSAMPLE-WGT | 1087 | 5158 5579 |
| SPE-SUBSAMPLE-WGT-CNVRT | 1400 | 5582 5583 5597 5604 |
| SPE-TAG-TYPE1 | 0696 | 5158 |
| SPE-TAG-TYPE1 | 1091 | 5158 5628 |
| SPE-TAG-TYPE2 | 0698 | 5158 |
| SPE-TAG-TYPE2 | 1094 | 5158 5642 |
| SPE-TOTAL-CNT | 0679 | 4746 4748 5158 |
| SPE-TOTAL-CNT | 1074 | 5158 |
| SPE-TOTAL-CNT-R | 1075 | 5545 5550 5557 |
| SPE-TOTAL-NMBRX | 1495 | 5557 |
| SPE-TOTAL-WGT | 0681 | 4750 4752 5158 |
| SPE-TOTAL-WGT | 1076 | 5158 5588 |
| SPE-TOTAL-WGT-CNVRT | 1401 | 5591 5592 5608 5616 |
| SPE-TOTL-WGHTX | 1511 | 5616 |
| SPEC-CODE | 1600 | 6221 |
| SPEC-SAMPL-NMBRX | 1486 | 5539 |
| SPEC-SUBSAMP-NMBRX | 1484 | 5541 |
| SPECIES-CODE | 0620 | 4695 5137 5229 6084 |
| SPECIES-CODE | 0808 | 4695 5137 5195 5229 6101 6210 6221 6814 |
| SPECIES-CODE-0 | 0200 | 6560 |
| SPECIES-CODE-1-OR-2 | 0201 | 6371 6566 |
| SPECIES-CODE-3 | 0202 | 6521 6576 |
| SPECIES-CODE-4-OR-7 | 0203 | 6289 6371 6388 6579 |
| SPECIES-CODE-5 | 0204 | 6560 |
| SPECIES-CODE-6 | 0205 | 6586 |
| SPECIES-CODE3-6-CNT | 1102 | 6622 |
| SPECIES-DONT-MATCH | 1471 | 6338 |
| SPECIES-FOUND | 0181 | 5943 |
| SPECIES-FOUND-SW | 0180 | 6235 6484 |
| SPECIES-GROUP | 0807 | 6360 6593 |
| SPECIES-GROUP-NOT-FOUND | 1595 | 6222 |
| SPECIES-NUMBER | 1408 | 4993 4995 5035 |
| SPECIES-NUMBER-R | 1409 | 5019 |
| SPECIES-RECORD | 0607 | 4609 5157 6087 |
| SPECIES-STATUS | 0621 | 4695 5137 5229 6085 |
| SPECIES-STATUS | 0809 | 4695 5137 5196 5229 6102 6815 |
| STA-1-IX | 3478 | 5427 5440 |
| STA-2-IX | 4373 | 5445 5458 5461 |
| STA-3-IX | 4543 | 5453 5464 5467 |
| START-LOC-ERROR | 1581 | 5291 |
| START-LOC-0-TO-23 | 0910 | 5287 |
| START-LOC-26-TO-40 | 0908 | 5287 |
| START-LOCX | 1579 | 5389 |
| STAT-NMBRX | 1577 | 5388 |
| STATION-FOUND | 0164 | 5427 5445 5453 |
| STATION-FOUND-SW | 0162 | 5369 5442 5460 5466 |
| STATION-NOT-FOUND | 0163 | 5431 5436 5449 |
| STATION-1 | 3478 | 5440 |
| STATION-2 | 4373 | 5458 5461 |
| STATION-3 | 4543 | 5464 5467 |
| STATUS-NBR-ERR | 1712 | 5750 |
| STRUC-ERR | 0151 | 6767 |
| STRUC-ERR-RPT | 0035 | 4962 5064 6824 6832 6833 6834 6836 6838 |
| STRUC-ERR-SW | 0150 | 6706 6719 6726 6742 6777 6783 6789 6795 6800 6807 |
| STRUC-PRT-LINE | 0088 | 6824 6832 6833 6834 6836 6838 |
| SUB-SIZE-EXCEEDS-SAMPLE | 1479 | 5543 |
| SUB-WGT-EXCEEDS-SAMPLE | 1497 | 5606 |
| SUBSAMPLES-DONT-MATCH | 1530 | 6376 |
| TAB-ENVIR-PRELOAD-ENTRY | 1377 | 4586 4687 4704 |
| TAB-ENVIR-PRELOAD-KEY | 1380 | 4597 |
| TAG-AND-SPE-CNT-ERROR | 1679 | 6428 6441 6454 6467 |
| TAG-MATCHED | 0174 | 5907 5914 |
| TAG-MATCHED-SW | 0173 | 5915 6044 |
| TAG-NBR-ERROR | 1645 | 5741 5903 |
| TAG-NMBR-ERROR | 1671 | 6049 |
| TAG-NUMBER | 0770 | 5167 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| TAG-NUMBER | 1178 | 5167 5903 5913 5929 6041 6045 |
| TAG-NUMBER-ALPHAB | 1180 | 5900 |
| TAG-NUMBER-DIGIT | 1182 | 5900 |
| TAG-NUMBER-REPEATED | 1667 | 6046 |
| TAG-NUMBR-CNTR | 0125 | 5906 5907 5911 5924 5928 5929 6480 6482 |
| TAG-NUMBR-ERROR | 1641 | 5742 5904 |
| TAG-OR-SPE-ZERO-FIELD | 1689 | 6014 |
| TAG-RECAPT-DATE-CONFLICT | 1697 | 6037 |
| TAG-RECAPT-TAG-NUMBR | 1420 | 5913 5929 6041 6488 |
| TAG-RECAPTURE-RECORD | 0612 | 4618 5166 |
| TAG-SUBSCR | 0124 | 5907 5912 6041 6480 6488 |
| TAG-TYPE | 0771 | 5167 |
| TAG-TYPE | 1183 | 5167 5946 5949 5952 5955 5958 5962 5967 |
| TAG-TYPE-ERROR | 1673 | 5968 |
| TAG-TYPE-NBR-ERR | 1583 | 5633 5640 5647 5654 |
| TARGET-AREA | 1389 | 5503 5517 |
| TEST-FIELD | 1386 | 4734 4735 4736 4740 4741 4742 5471 5475 5501 5502 5570 5579 5588 |
| TEST-SUM | 0127 | 6775 6776 6787 6788 |
| TR-ADD | 0600 | 5127 5207 5217 |
| TR-CHANGE | 0601 | 5181 5211 |
| TR-CONTROL | 0613 | 5115 5118 |
| TR-DATA | 0626 | 4624 4635 6115 |
| TR-DELETE | 0602 | 5185 |
| TRANS-FILE | 0030 | 4573 4600 |
| TRANS-REC | 0060 | 4600 |
| TURN-OFF | 0108 | 4563 4699 4966 5085 5101 5107 5108 5363 5369 5375 5801 5915 6112 6175 6196 6258 6307 6335 6370 6484 6531 6706 |
| TURN-ON | 0107 | 4692 4965 4992 5004 5126 5133 5134 5135 5188 5206 5223 5227 5228 5271 5276 5290 5362 5364 5379 5387 5397 5404 5411 5437 5442 5460 5462 5466 5468 5480 5485 5494 5525 5530 5538 5546 5554 5575 5584 5593 5603 5614 5632 5639 5646 5653 5664 5671 5691 5701 5709 5716 5721 5728 5734 5740 5749 5783 5798 5819 5823 5827 5832 5847 5853 5868 5880 5885 5902 5966 5974 6005 6011 6028 6035 6043 6044 6059 6073 6074 6077 6078 6134 6145 6220 6235 6290 6314 6342 6382 6390 6424 6437 6450 6463 6523 6532 6534 6561 6569 6582 6607 6615 6623 6630 6635 6644 6719 6726 6742 6777 6783 6789 6795 6800 6807 |
| UPD-PRT-LINE | 0074 | 5052 5054 5056 5058 5060 5062 6116 6123 6124 6125 6127 |
| UPDATE-RPT | 0033 | 4962 5052 5054 5056 5058 5060 5062 5064 6116 6123 6124 6125 6127 |
| VALID-ALPHA-GRID | 0920 | 5269 |
| VALID-CHANGE-CODE | 0603 | 5177 5207 |
| VALID-GEAR-FOR-PGM050 | 0928 | 5294 |
| VALID-GEAR-FOR-PGM051 | 0929 | 5294 |
| VALID-GEAR-FOR-PGM055 | 0931 | 5294 |
| VALID-GEAR-FOR-PGM060 | 0933 | 5294 |
| VALID-GEAR-FOR-PGM100 | 0934 | 5294 |
| VALID-GEAR-FOR-PGM105 | 0936 | 5294 |
| VALID-GEAR-FOR-PGM110 | 0937 | 5294 |
| VALID-GEAR-FOR-PGM115 | 0938 | 5294 |
| VALID-GEAR-FOR-PGM120 | 0939 | 5294 |
| VALID-GEAR-FOR-PGM125 | 0942 | 5294 |
| VALID-GEAR-FOR-PGM126 | 0943 | 5294 |
| VALID-GEAR-FOR-PGM130 | 0944 | 5294 |
| VALID-GEAR-FOR-PGM150 | 0945 | 5294 |
| VALID-GEAR-FOR-PGM160 | 0949 | 5294 |
| VALID-GEAR-FOR-PGM170-180 | 0950 | 5294 |
| VALID-GEAR-FOR-PGM175 | 0955 | 5294 |
| VALID-GEAR-FOR-PGM300 | 0956 | 5294 |
| VALID-GEAR-FOR-PGM320 | 0959 | 5294 |
| VALID-GEAR-FOR-PGM330 | 0960 | 5294 |
| VALID-GEAR-FOR-PGM340 | 0962 | 5294 |
| VALID-GEAR-FOR-PGM350 | 0963 | 5294 |
| VALID-GEAR-FOR-PGM400 | 0965 | 5294 |
| VALID-GEAR-FOR-PGM410 | 0969 | 5294 |
| VALID-GEAR-FOR-PGM420 | 0973 | 5294 |
| VALID-GEAR-FOR-PGM421-422 | 0975 | 5294 |
| VALID-GEAR-FOR-PGM430-440 | 0976 | 5294 |
| VALID-GEAR-FOR-PGM431-441 | 0977 | 5294 |
| VALID-GEAR-FOR-PGM432-442 | 0978 | 5294 |
| VALID-GEAR-FOR-PGM433-443 | 0979 | 5294 |
| VALID-GEAR-FOR-PGM434-444 | 0982 | 5294 |
| VALID-GEAR-FOR-PGM435-445 | 0984 | 5294 |
| VALID-GEAR-FOR-PGM436-446 | 0985 | 5294 |
| VALID-GEAR-FOR-PGM437-447 | 0986 | 5294 |
| VALID-GEAR-FOR-PGM438 | 0987 | 5294 |
| VALID-GEAR-FOR-PGM450 | 0989 | 5294 |
| VALID-GEAR-FOR-PGM460 | 0990 | 5294 |
| VALID-GEAR-FOR-PGM470 | 0992 | 5294 |

| DATA NAME | DEFN | REFERENCES |
|---|---|---|
| VALID-GEAR-FOR-PGM500 | 0994 | 5294 |
| VALID-GEAR-FOR-PGM510 | 0997 | 5294 |
| VALID-GEAR-FOR-PGM530 | 1000 | 5294 |
| VALID-GEAR-FOR-PGM540 | 1001 | 5294 |
| VALID-GEAR-FOR-PGM550 | 1002 | 5294 |
| VALID-GEAR-FOR-PGM610 | 1003 | 5294 |
| VALID-GEAR-FOR-PGM615 | 1004 | 5294 |
| VALID-GEAR-FOR-PGM618 | 1005 | 5294 |
| VALID-GEAR-FOR-PGM620 | 1006 | 5294 |
| VALID-GEAR-FOR-PGM630 | 1007 | 5294 |
| VALID-GEAR-FOR-PGM650 | 1008 | 5294 |
| VALID-GEAR-FOR-PGM660 | 1009 | 5294 |
| VALID-GEAR-FOR-PGM670 | 1010 | 5294 |
| VALID-GEAR-FOR-PGM680 | 1011 | 5294 |
| VALID-GEAR-FOR-PGM690 | 1012 | 5294 |
| VALID-GEAR-FOR-PGM700 | 1013 | 5294 |
| VALID-GEAR-FOR-PGM705 | 1015 | 5294 |
| VALID-GEAR-FOR-PGM710 | 1016 | 5294 |
| VALID-GEAR-FOR-PGM715 | 1017 | 5294 |
| VALID-GEAR-FOR-PGM720 | 1018 | 5294 |
| VALID-GEAR-FOR-PGM725 | 1023 | 5294 |
| VALID-GEAR-FOR-PGM730 | 1024 | 5294 |
| VALID-GEAR-FOR-PGM735 | 1025 | 5294 |
| VALID-GEAR-FOR-PGM740 | 1026 | 5294 |
| VALID-GEAR-FOR-PGM745 | 1027 | 5294 |
| VALID-GEAR-FOR-PGM750 | 1028 | 5294 |
| VALID-GEAR-FOR-PGM755 | 1029 | 5294 |
| VALID-GEAR-FOR-PGM760 | 1030 | 5294 |
| VALID-GEAR-FOR-PGM765 | 1032 | 5294 |
| VALID-GEAR-FOR-PGM770 | 1033 | 5294 |
| VALID-GEAR-FOR-PGM775 | 1034 | 5294 |
| VALID-GEAR-OF-ZERO | 0926 | 5293 5402 5409 |
| VALID-GEAR-OF-999 | 0927 | 5293 |
| VALID-NUMER-GRID | 0918 | 5269 |
| WK-E-BOTTOM-PROF | 1370 | 4723 |
| WK-E-BOTTOM-TYPE | 1369 | 4721 |
| WK-E-DEPTH | 1371 | 4725 |
| WK-E-DURATION | 1362 | 4707 |
| WK-E-GEAR-PARM1 | 1364 | 4711 |
| WK-E-GEAR-PARM2 | 1365 | 4713 |
| WK-E-GEAR-PARM3 | 1366 | 4715 |
| WK-E-GEAR-TYPE | 1363 | 4709 |
| WK-E-PIG | 1367 | 4717 |
| WK-E-STATE-ALTER | 1372 | 4727 |
| WK-E-TYPE-OF-TOW | 1368 | 4719 |
| WK-ENVIR-PRELOAD-KEY | 1359 | 4580 4584 4585 4590 |
| WK-ENVIR-PRELOAD-REC | 1358 | 4579 4586 4704 |
| WK-SUB | 0119 | 4629 4640 4657 4658 4670 4671 4672 4673 5757 5758 5761 5762 5775 5776 5778 5791 5793 5802 5810 5875 5878 5883 |
| WK-SUB-2 | 0120 | 5802 5803 5809 5883 5886 |
| WORK-CNT | 0122 | 5619 5637 5651 5662 5808 5830 5882 |
| WORK-LOCATION | 0121 | 5371 5380 5382 5432 5450 |
| WRITE-NEWMSTR | 0141 | 5077 |
| WRITE-NEWMSTR-SW | 0140 | 4966 6078 6196 |
| WRITE-RPT1 | 0139 | 5075 |
| WRITE-RPT1-SW | 0138 | 4966 5134 5228 6073 6112 |
| WS-CURR-ENVIR-KEY | 0289 | 6716 |
| WS-CURR-KEY | 0286 | 6707 |
| WS-CURR-REPLIC-KEY | 0288 | 6723 |
| WS-CURR-SPECIES-KEY | 0287 | 6739 6749 6752 6756 6759 6763 |
| YEAR-DOESNT-MATCH | 1528 | 5277 |
| Z-ENVIR-DATE | 1693 | 6013 |
| Z-RECAPT-DATE | 1695 | 6012 |
| ZERO-DD | 1427 | 6053 6054 |
| ZERO-MM | 1426 | 6051 6052 |

| PROCEDURE NAME | DEFN | REFERENCES |
|---|---|---|
| 005-PRE-SORT-PROCESSING | 4560 | 4550 |
| 008-READ-N-LOAD-ENVIR-PRELOAD | 4578 | 4567 |
| 009-INIT-REST-ENVIR-PRELOAD | 4596 | 4569 |
| 012-READ-TRANS | 4599 | 4574 |
| 013-PRE-EDIT-KEY | 4648 | 4622 |
| 014-RELEASE-DUP-INDIV-REC6 | 4655 | 4629 |
| 015-RELEASE-DUP-INDIV-REC7 | 4668 | 4640 |
| 017-ENVIR-PRE-EDIT | 4683 | 4604 |
| 018-PRELOAD-ENVIR-DATA | 4703 | 4689 |
| 019-REPLIC-PRE-EDIT | 4729 | 4607 |
| 020-SPECIES-PRE-EDIT | 4745 | 4610 |
| 021-INDIV-PRE-EDIT | 4780 | 4613 4659 4674 |
| 022-ANNULUS-PRE-EDIT | 4798 | 4616 |
| 023-RECAPT-PRE-EDIT | 4939 | 4619 |
| 024-POST-SORT-PROCESSING | 4945 | 4550 |
| 030-HOUSEKEEPING | 4957 | 4946 |
| 040-READ-LATIN-TABLE | 4974 | 4972 |
| 041-READ-TABLE | 4985 | 4977 |
| 042-SORT-LATIN-FILE | 5006 | 4980 |
| 043-ARRANGE-START | 5010 | 5008 5032 |
| 044-ARRANGE-LOOP | 5014 | 5027 |
| 045-ARRANGE-END | 5029 | 5008 5018 |
| 046-ADD-HIGH-VALUES | 5034 | 4982 |
| 060-END-OF-JOB | 5037 | 4950 |
| 100-MAINLINE | 5068 | 4948 |
| 110-READ-MSTR | 5080 | 5070 |
| 111-REAL-READ | 5092 | 5082 |
| 112-DUMMY-READ | 5099 | 5084 |
| 120-READ-TRANS | 5103 | 5072 |
| 130-MATCH-MSTR-TO-TRANS | 5110 | 5074 |
| 131-MASTER-HIGH | 5125 | 5116 |
| 132-HIGH-ADD-TRANS | 5132 | 5128 |
| 133-MOVE-DATA-BY-TYPE | 5144 | 4697 5139 5231 |
| 134-HIGH-CHG-OR-DELETE-TRANS | 5176 | 5130 |
| 135-BUILD-RPT1 | 5191 | 5141 5233 6072 |
| 137-MASTER-EQUAL | 5205 | 5121 |
| 138-EQUAL-ADD-TRANS | 5216 | 5209 |
| 139-EQUAL-CHANGE-TRANS | 5226 | 5212 |
| 140-EDIT-ROUTINE | 5236 | 6176 |
| 141-EDIT-ENVIR-REC | 5268 | 5238 |
| 142-COUNT-NUMBER-DECIMALS | 5416 | 5395 |
| 143-SEARCH-FOR-STATION | 5426 | 5385 |
| 144-SEARCH-TAB-1-FOR-STATION | 5439 | 5427 |
| 145-FOUND-LOCATION-IN-TAB-2 | 5444 | 5435 |
| 146-SEARCH-TAB-2-FOR-STATION | 5457 | 5445 |
| 148-SEARCH-TAB-3-FOR-STATION | 5463 | 5453 |
| 149-EDIT-REPLIC-REC | 5470 | 5243 |
| 150A-EDIT-EXPLICIT-DECIMAL | 5500 | 5473 5477 5572 5581 5590 |
| 150B-EDIT-EXPLICIT-DECIMAL | 5508 | 5506 |
| 151-EDIT-SPECIES-REC | 5523 | 5248 |
| 153-EDIT-INDIV-REC | 5676 | 5253 |
| 155-EDIT-ANNULUS-REC | 5756 | 5258 |
| 156-FIND-LAST-DIST-TO-ANL | 5874 | 5758 |
| 157-TEST-DISTANCE-INCREASE | 5877 | 5810 |
| 158-EDIT-TAG-RECAPT-REC | 5888 | 5263 |
| 158A-DATE-ROUTINE | 5981 | 5991 5994 6056 |
| 158B-COMPARE-DATES | 5989 | 5899 |
| 158C-SEARCH-TAG-NUMBER-TABLE | 6040 | 5907 |
| 158D-ADJUST-ZERO-DATE | 6049 | 6016 |
| 160-EQUAL-DELETE-TRANS | 6066 | 5214 |
| 170-MASTER-LOW | 6076 | 5123 |
| 177-BUILD-TRANS-ERROR | 6080 | 5189 5224 |
| 179-BUILD-MASTER-ERROR | 6094 | 4698 5274 5278 5292 5368 5382 5391 5400 5408 5414 5483 5488 5498 5528 5533 5544 5549 5560 5578 5587 5596 5607 5618 5634 5641 5648 5655 5666 5673 5693 5703 5711 5718 5723 5730 5736 5743 5751 5785 5800 5825 5829 5834 5849 5855 5872 5905 5969 5977 6009 6015 6032 6038 6047 6063 6223 6293 6318 6346 6386 6395 6431 6444 6457 6470 6527 6539 6564 6572 6609 6621 6625 6633 6641 6646 |
| 200-WRITE-RPT1-UPD | 6111 | 5076 6092 |
| 202-WRITE-RPT1-UPD-HEADING | 6120 | 4968 5051 6114 |
| 210-WRITE-RPT2-ERR | 6131 | 6109 |
| 212-WRITE-RPT2-ERR-HEADING | 6150 | 4565 6133 |
| 220-WRITE-NEWMSTR-REC | 6161 | 5078 |
| 225-EDIT-SPECIES-GROUP | 6201 | 6184 |
| 226-VALID-SPECIES-CODE | 6215 | 6213 |
| 227-UNMATCHED-SPECIES-GROUP | 6219 | 6210 |
| 230-SAVE-MASTER-BY-TYPE | 6225 | 6199 |
| 240-RELATIONAL-EDITS | 6253 | 6172 |
| 242-TEST-ENVIR-BREAK | 6295 | 6257 |
| 243-ENVIR-BREAK | 6304 | 6298 |
| 244-TEST-REPLIC-BREAK | 6323 | 6302 |
| 245-REPLIC-BREAK | 6332 | 6305 6326 |
| 246-TEST-SPECIES-BREAK | 6351 | 6330 |
| 247-SPECIES-BREAK | 6368 | 6333 6362 |
| 247B-PAD-TAG-NUMBER-TABLE | 6487 | 6480 |
| 248-TEST-INDIV-BREAK | 6491 | 6366 |
| 249-INDIV-BREAK | 6509 | 6369 6507 |
| 249-SAVE-AGE-STATUS | 6544 | 5725 6282 |
| 250-SPECIES-CODE-CHECKS | 6558 | 6283 |
| 251-EDIT-INDIV-SC-3 | 6592 | 6577 |
| 252-EDIT-INDIV-2ND-OCCUR | 6627 | 6612 |
| 254-EDIT-INDIV-SC-6 | 6643 | 6587 |
| 258-STRUCTURAL-TEST | 6705 | 6173 |
| 259A-VERIFY-INDIV-STRUC | 6770 | 6751 |
| 259B-VERIFY-TAG-RECAP-STRUC | 6780 | 6758 |

| PROCEDURE NAME | DEFN | REFERENCES |
|---|---|---|
| 259C-VERIFY-INDIV-LINE1 | 6792 | 6754 |
| 259D-MISSING-INDIV-REC | 6798 | 6765 |
| 259E-VERIFY-TAG-RECAP-LINE1 | 6804 | 6761 |
| 260-WRITE-RPT3-STRUC | 6811 | 6768 |
| 262-WRITE-RPT3-STRUC-HEADING | 6829 | 4970 6823 |

| PROCEDURE NAME | DEFN | REFERENCES |
|---|---|---|

NM100 10.43.12 APR 3,1984 UNUSED DATA NAME REFERENCE LIST

| DEFN | DATA NAME | DEFN | DATA NAME | DEFN | DATA NAME |
|---|---|---|---|---|---|
| 00109 | ABEND-A | 01335 | CVT-ABBRV-MONTH | 00902 | ENVIR-DATE-R |
| 00598 | ACTION-CODE | 01336 | CVT-ABBRV-PERIOD | 00901 | ENVIR-DD |
| 01430 | ACTION-MESSAGES | 01340 | CVT-ABBRV-YEAR | 00905 | ENVIR-DD-R |
| 00729 | ANL-AGE-R | 01334 | CVT-ALPHA-ABBRV | 01649 | ENVIR-DURATION-ERR-R |
| 00766 | ANL-DIST | 01344 | CVT-ALPHA-DATE | 00636 | ENVIR-GRID |
| 00765 | ANL-DIST-R | 01347 | CVT-DAY-OF-THE-WEEK | 01610 | ENVIR-LOC-NOT-FOUND-R |
| 01170 | ANL-DIST-P | 01346 | CVT-DAYR | 00900 | ENVIR-MM |
| 00734 | ANL-DISTANCES | 01290 | CVT-JULIAN5 | 00904 | ENVIR-MM-R |
| 01139 | ANL-DISTANCES | 01294 | CVT-JULIAN5-DAY | 01655 | ENVIR-NON-ZERO-GEAR-R |
| 00731 | ANL-LTH-TO-EDGE-R | 01291 | CVT-JULIAN5-IS-ZERO | 00818 | ENVIR-STA-DATA |
| 00733 | ANL-MARGIN-INCR-R | 01293 | CVT-JULIAN5-YEAR | 00634 | ENVIR-START-LOC-R |
| 01132 | ANNULUS-DATA | 01296 | CVT-JULIAN7 | 00903 | ENVIR-YY-R |
| 01413 | ARRANGE-BLOCK | 01300 | CVT-JULIAN7-DAY | 01548 | ERR-MSG-DIF |
| 01273 | CNVT-ABBRV-COMMA | 01297 | CVT-JULIAN7-IS-ZERO | 01543 | ERR-MSG-TAG |
| 01272 | CNVT-ABBRV-DAY | 01299 | CVT-JULIAN7-YEAR | 01445 | ERROR-MESSAGES |
| 01271 | CNVT-ABBRV-DAY-YEAR | 01302 | CVT-MDY6 | 01467 | GRID-NOT-FORMATTED-R |
| 01276 | CNVT-ABBRV-DAYR | 01306 | CVT-MDY6-DAY | 00721 | INDIV-AGE-R |
| 01269 | CNVT-ABBRV-MONTH | 01303 | CVT-MDY6-IS-ZERO | 01524 | INDIV-LTH-DISCREP-R |
| 01270 | CNVT-ABBRV-PERIOD | 01305 | CVT-MDY6-MONTH | 00704 | INDIV-LTH-R |
| 01274 | CNVT-ABBRV-YEAR | 01307 | CVT-MDY6-YEAR | 00723 | INDIV-SPAWN-MARK-CNT-R |
| 01280 | CNVT-DAYR | 01309 | CVT-MDY8 | 00717 | INDIV-TAG-NBR-R |
| 01228 | CNVT-JULIAN5-DAY | 01314 | CVT-MDY8-DAY | 01119 | INDIV-TAG-NMBR-ALPHAN |
| 01225 | CNVT-JULIAN5-IS-ZERO | 01310 | CVT-MDY8-IS-ZERO | 01117 | INDIV-TAG-NMBR-R |
| 01227 | CNVT-JULIAN5-YEAR | 01312 | CVT-MDY8-MONTH | 01099 | INDIVIDUAL-DATA |
| 01234 | CNVT-JULIAN7-DAY | 01316 | CVT-MDY8-YEAR | 00159 | INVALID-GEAR |
| 01231 | CNVT-JULIAN7-IS-ZERO | 01287 | CVT-SDN | 01568 | INVALID-GEAR-MSGX |
| 01233 | CNVT-JULIAN7-YEAR | 01288 | CVT-SDN-IS-ZERO | 01515 | INVALID-REC-FOR-CODE-R |
| 01240 | CNVT-MDY6-DAY | 01318 | CVT-YMD6 | 01575 | INVALID-STA-MSG-R |
| 01237 | CNVT-MDY6-IS-ZERO | 01323 | CVT-YMD6-DAY | 01718 | LAST-CONTROL |
| 01239 | CNVT-MDY6-MONTH | 01319 | CVT-YMD6-IS-ZERO | 01733 | LAST-LINE-NBR-R |
| 01241 | CNVT-MDY6-YEAR | 01322 | CVT-YMD6-MONTH | 01730 | LAST-SPECIES-CODE |
| 01248 | CNVT-MDY8-DAY | 01321 | CVT-YMD6-YEAR | 01731 | LAST-SPECIES-STATUS |
| 01244 | CNVT-MDY8-IS-ZERO | 01325 | CVT-YMD8 | 01724 | LAST-TYPE-ANNULUS |
| 01246 | CNVT-MDY8-MONTH | 01332 | CVT-YMD8-DAY | 01720 | LAST-TYPE-ENVIR |
| 01250 | CNVT-MDY8-YEAR | 01326 | CVT-YMD8-IS-ZERO | 01723 | LAST-TYPE-INDIV |
| 01223 | CNVT-SDN-IS-ZERO | 01330 | CVT-YMD8-MONTH | 01721 | LAST-TYPE-REPLIC |
| 01257 | CNVT-YMD5-DAY | 01328 | CVT-YMD8-YEAR | 01722 | LAST-TYPE-SPECIES |
| 01253 | CNVT-YMD6-IS-ZERO | 00817 | DATA-BY-RECORD-TYPE | 01725 | LAST-TYPE-TAG-RECAPT |
| 01256 | CNVT-YMD6-MONTH | 01205 | DATE-CNVRT-SUBR | 01411 | LATIN-NAME |
| 01255 | CNVT-YMD6-YEAR | 01628 | DATE-REC1-REC9-ERR2 | 01403 | LATIN-TABLE-ENTRIES |
| 01266 | CNVT-YMD8-DAY | 01349 | DATECALC-DIFF | 03477 | LOCATION-1 |
| 01260 | CNVT-YMD8-IS-ZERO | 01221 | DATECALC-SET-A | 04372 | LOCATION-2 |
| 01264 | CNVT-YMD8-MONTH | 01286 | DATECALC-SET-B | 04542 | LOCATION-3 |
| 01262 | CNVT-YMD8-YEAR | 01707 | DIST-TRAVELED-ERR-R | 00783 | MAST-REC-FDR |
| 01384 | CONVERT-DECIMAL-AREA | 00143 | DUMMY-RD-ON | 00170 | MISSING-DISTANCE |
| 01396 | CONVERTED-DECIMAL-HOLD-AREA | 00302 | DUP-INDIV-ENTRY6 | 00147 | NC-EDIT-ERRORS |
| 01393 | COUNT-DECIMAL | 00307 | DUP-INDIV-ENTRY7 | 01617 | NON-NUMERIC-GEAR-R |
| 01392 | COUNT-UNITS | 00301 | DUP-INDIV-REC6-ENTRIES | 00209 | OCCURRENCE-CODE-6 |
| 01339 | CVT-ABBRV-COMMA | 00306 | DUP-INDIV-REC7-ENTRIES | 00822 | PROGRAM-001-TO-999 |
| 01338 | CVT-ABBRV-DAY | 00146 | EDIT-ERROR | 00827 | PROGRAM-799-TO-899 |
| 01337 | CVT-ABBRV-DAY-YEAR | 00149 | EDIT-REJECT-ERROR | 01635 | RECAPT-DAYS-OUT-ERR-R |
| 01342 | CVT-ABBRV-DAYR | 01407 | ENGLISH-NAME | 01187 | RECAPT-DD |

| DEFN | DATA NAME |
|---|---|
| 01191 | RECAPT-DD-R |
| 01186 | RECAPT-MM |
| 01190 | RECAPT-MM-R |
| 01185 | RECAPT-YY |
| 01189 | RECAPT-YY-R |
| 00614 | RECORD-KEY |
| 00802 | RECORD-KEY |
| 00815 | RECORD-KEY-ALPHA |
| 00816 | RECORD-KEY-BETA |
| 00623 | RECORD-KEY-R |
| 00814 | RECORD-KEY-R |
| 01064 | REPLICATE-DATA |
| 00319 | REPORT-LINES |
| 00429 | REPORT-LINES2 |
| 00504 | REPORT-LINES3 |
| 01452 | REPS-DONT-MATCH-R |
| 00672 | RP-COLLECT-SIZE-R |
| 01066 | RP-COLLECT-SIZE-R |
| 00674 | RP-SAMPLE-SIZE-R |
| 01068 | RP-SAMPLE-SIZE-R |
| 00568 | RPT3-DASH |
| 01507 | SAMP-WGHT-GT-TOTAL |
| 01458 | SAMPLE-EXCEEDS-COLLECTION-R |
| 01490 | SAMPLE-SIZE-GT-COLLECT-SIZE |
| 00271 | SAVE-ANNL-KEY |
| 00272 | SAVE-ANNL-LINE |
| 00274 | SAVE-ANNL-SPAWN-MARK |
| 00228 | SAVE-ENVIR-DATE |
| 00231 | SAVE-ENVIR-DD |
| 00235 | SAVE-ENVIR-DD-R |
| 00230 | SAVE-ENVIR-MM |
| 00234 | SAVE-ENVIR-MM-R |
| 00229 | SAVE-ENVIR-YY |
| 00233 | SAVE-ENVIR-YY-R |
| 00194 | SAVE-FIELDS |
| 00263 | SAVE-INDIV-AGE |
| 00245 | SAVE-SPE-SEQ-NMBR |
| 00244 | SAVE-SPECIES-KEY-R |
| 00283 | SAVE-TAG-RECAPT-TAGNBR |
| 00624 | SEQ-NBR-THRU-SPEC-GRP |
| 01661 | SPAWN-CONFLICT-R |
| 00684 | SPE-SAMPLE-CNT-R |
| 00687 | SPE-SAMPLE-WGT-R |
| 01082 | SPE-SAMPLE-WGT-R |
| 00690 | SPE-SUBSAMPLE-CNT-R |
| 00693 | SPE-SUBSAMPLE-WGT-R |
| 01088 | SPE-SUBSAMPLE-WGT-R |
| 00680 | SPE-TOTAL-CNT-R |
| 00682 | SPE-TOTAL-WGT-R |
| 01077 | SPE-TOTAL-WGT-R |
| 01073 | SPECIES-DATA |
| 01473 | SPECIES-DONT-MATCH-R |
| 00619 | SPECIES-GROUP |
| 01597 | SPECIES-GROUP-NOT-FOUND-R |
| 01749 | STATION-TABLE-1 |
| 03473 | STATION-TABLE-1-R |
| 03483 | STATION-TABLE-2 |
| 04368 | STATION-TABLE-2-R |
| 04378 | STATION-TABLE-3 |
| 04538 | STATION-TABLE-3-R |
| 01481 | SUB-SIZE-EXCEEDED-SAMPLE-R |
| 01499 | SUB-WGHT-GT-SAMP-WGHT |
| 01532 | SUBSAMPLES-DONT-MATCH-R |
| 00131 | SWITCH-FINDER |
| 00133 | SWITCHES |
| 01381 | TAB-ENVIR-PRELOAD-DATA |
| 01376 | TABLE-ENVIR-PRELOAD |
| 01681 | TAG-AND-SPE-CNT-ERROR-R |
| 01420 | TAG-INDEX |
| 01544 | TAG-NBR-DISCREP |
| 01546 | TAG-NBR-DISCREP-R |
| 01539 | TAG-NBR-LESS |
| 01541 | TAG-NBR-LESS-R |
| 01181 | TAG-NUMBER-ALPHAN |
| 01179 | TAG-NUMBER-R |
| 01669 | TAG-NUMBER-REPEATED-R |
| 01643 | TAG-NUMBR-ERR-R |
| 01691 | TAG-OR-SPE-ZERO-FIELD-R |
| 01699 | TAG-RECAPT-DATE-CONFLICT-R |
| 01422 | TAG-RECAPT-TAG-NUMBER |
| 01419 | TAG-RECAPT-TAGNBR |
| 01177 | TAG-RECAPTURE-DATA |
| 01675 | TAG-TYPE-ERROR-R |
| 00706 | TEMP-FILLER |
| 00186 | TOT-COUNTERS |
| 00727 | TR-ANNULUS-DATA |
| 00627 | TR-ENVIR-STA-DATA |
| 00701 | TR-INDIVIDUAL-DATA |
| 00670 | TR-REPLICATE-DATA |
| 00678 | TR-SPECIES-DATA |
| 00769 | TR-TAG-RECAPTURE-DATA |
| 00588 | TRANS-REC-FDR |
| 01440 | UPDATE-ERROR-MESSAGES |
| 01435 | UPDATE-MESSAGES |
| 00213 | WK-DIF |
| 01361 | WK-ENVIR-PRELOAD-DATA |
| 01425 | ZERO-YY |

NOAA COASTAL SERVICES CENTER LIBRARY
3 6668 14101 8079