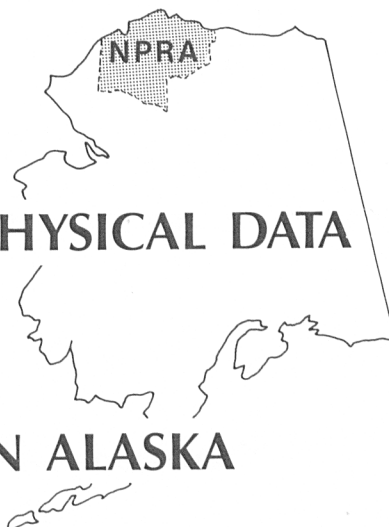




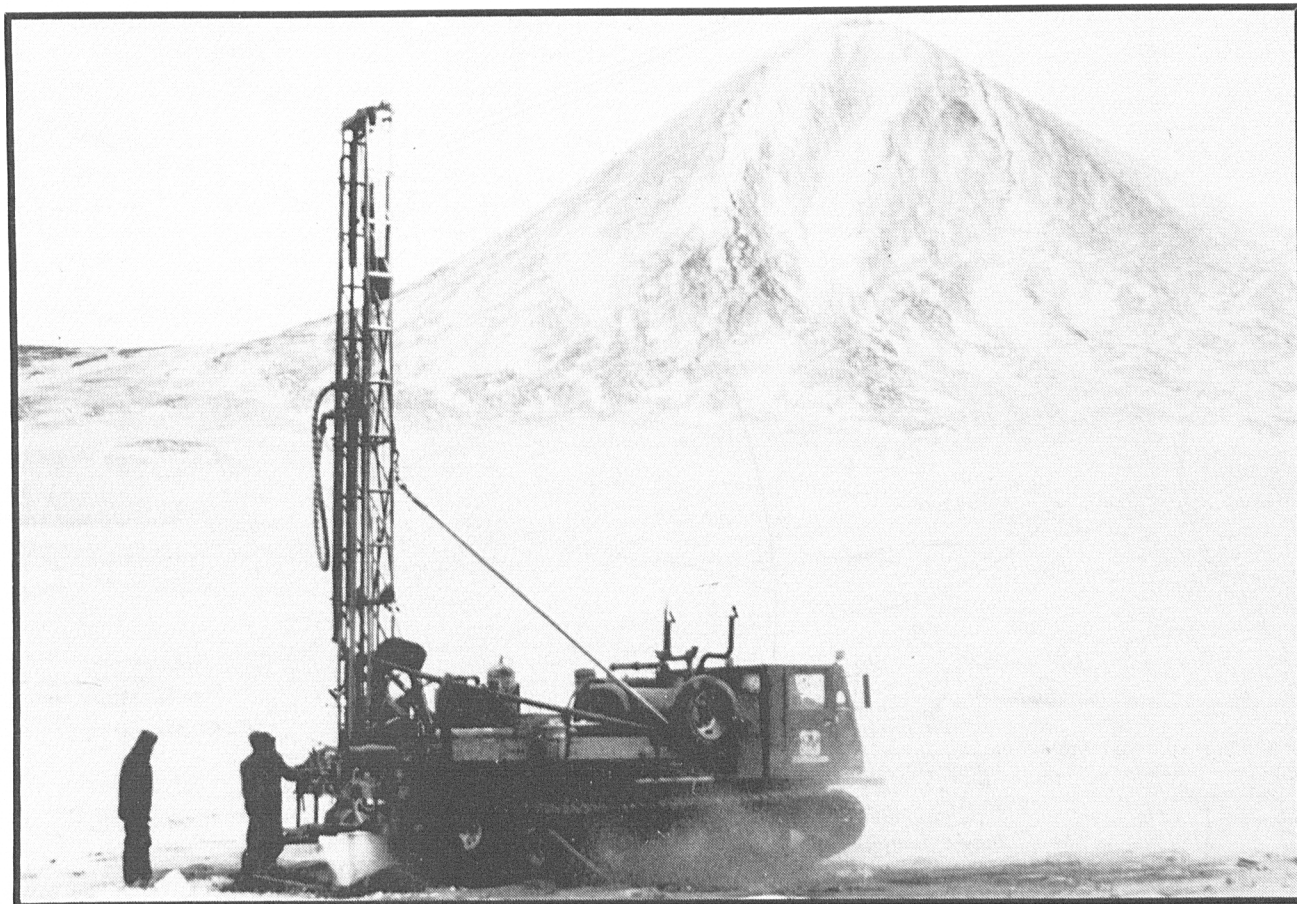
U.S. Department of Commerce  
National Oceanic and Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
National Geophysical Data Center  
Boulder, Colorado

December 1986



# CATALOG OF GEOLOGICAL AND GEOPHYSICAL DATA FOR THE NATIONAL PETROLEUM RESERVE IN ALASKA

Key to Geophysical Records Documentation No. 16 (Revised Edition)



Additional copies of this catalog, and the most recent price list are available from:

National Geophysical Data Center  
325 Broadway, E/GC, Dept. CNP  
Boulder, Colorado 80303

Commercial: (303) 497-6541  
FTS: 320-6541



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**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**  
Anthony J. Calio, Administrator

**NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE**  
Thomas N. Pyke, Jr., Assistant Administrator

# **CATALOG OF GEOLOGICAL AND GEOPHYSICAL DATA**

## **FOR THE**

### **NATIONAL PETROLEUM RESERVE IN ALASKA**

**Key to Geophysical Records Documentation No. 16 (Revised Edition)**

**Edited  
by  
Joy A. Ikelman**

**National Geophysical Data Center  
Boulder, Colorado  
December 1986**





## Foreword

The National Geophysical Data Center (NGDC), a unit of the U.S. Department of Commerce/National Oceanic and Atmospheric Administration, is one of several data centers that collectively represent the National Environmental Satellite, Data, and Information Service. Operating as both a "National" and a "World" Data Center, NGDC holds data that are truly global in nature and that cover both terrestrial and marine environments. Contributors to NGDC data files include many U.S. Government agencies, universities, and foreign organizations.

This catalog summarizes geophysical and geological data available for the National Petroleum Reserve in Alaska (NPRA). Although the geographical scope of the data in this catalog is limited, similar data bases for other areas of interest to the exploration community also are archived by NGDC. Data holdings include those from the disciplines of seismics (reflection and refraction), gravity, magnetics, topography, well logs, geothermics, and earthquake seismology. NGDC encourages private industry initiatives in the use of these data, and welcomes cooperative projects with governmental agencies, non-profit organizations, and universities.



H. Meyers, Chief  
Solid Earth Geophysics Division



## Preface

The National Petroleum Reserve in Alaska (NPRA) is located in the primitive wilderness of Alaska's North Slope. It was established in February 1923 by President Warren Harding, who recognized that the country needed a potential domestic source of oil in the event of a national emergency or crisis. Originally called the Naval Petroleum Reserve No. 4, the area was set aside for geological and geophysical exploration after early field parties reported oil seeping through the ground in several spots along Alaska's northern coast. The Reserve covers about 24 million acres, an area about the size of Indiana.

The U.S. Geological Survey (USGS) began geological surveying in this area in the early 1900's. In 1945, the U.S. Navy began surveying and drilling to appraise the petroleum potential of the Reserve. Although their drilling efforts revealed several oil and gas fields that held small reserves by Alaskan standards, only the gas field at Barrow was developed at first.

In June 1977, transfer of jurisdiction of the Reserve to the USGS from the U.S. Navy Department charged the USGS with the responsibility for: 1) exploring the area for oil and compiling a data base for assessing the Reserve's petroleum potential; 2) supplying natural gas to the residents of Barrow and to local Government facilities; and 3) restoring areas disturbed during construction and petroleum exploration activities to an environmentally acceptable condition.

Protection of the sensitive Arctic vegetation and animal habitats has been a major consideration during construction and oil exploration within the Reserve. To minimize danger to plants and wildlife resources and to limit degradation to ice-rich soils, aircraft were used extensively for bringing in supplies and equipment and for removing refuse; and track or similar-type vehicles were used for overland transport. Because the danger to wildlife probably is greatest during the seasons when the waterfowl, the polar bear, the caribou, and other animals give birth to their young, great care was taken at that time of the year to protect wildlife and to preserve their habitat.

Because of the public need for the geological and geophysical data generated in the NPRA, a repository and dissemination point for NPRA data became necessary. As a result, an interagency management agreement between USGS and the National Oceanic and Atmospheric Administration (NOAA) named the National Geophysical Data Center (NGDC) of NOAA as the national data depository in December 1977. NGDC announced the availability of the first NPRA data sets soon after--in May 1978. Since mid-1978, NGDC has provided to the public over three-dozen sets of scientific data, ranging from common depth point (CDP) seismic reflection and well log data to gravity, aerial gamma ray, and magnetic survey profiles.

In December 1980, the U.S. Congress opened the NPRA to commercial oil and gas leasing for the first time. Ensuing activity by the industry has given the raw and processed data produced from studies in the Reserve an important role in the future of energy resources in the United States.

The purpose of this compilation is to provide a record of resources available for those involved in the development of Alaska's National Petroleum Reserve.

Mention of specific commercial products or services  
does not imply endorsement  
by NOAA or the Department of Commerce.

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## Introduction

This catalog describes all geological and geophysical data available from NGDC for the National Petroleum Reserve in Alaska (NPRA) through January 1982.<sup>1</sup> The catalog includes:

- (1) common depth point (CDP) seismic reflection data and documentation covering about 13,000 line miles for 1972-81;
- (2) well logs and associated information for over 40 wells, 1946-81; these data deal primarily with NPRA exploration and development since the end of the NPR-4 (formerly PET-4) program and drilling of the South Barrow No. 5 well in 1955;
- (3) free-air and Bouguer gravity data, 1974-80;
- (4) aerial gamma ray and magnetic profiles, 1977; and
- (5) geological and geophysical data reports.

The descriptions of data sets include: data set name and number, survey date and size, fold or multiplicity, seismic source, description and format of data provided, and optional data. Prices for each item are given in the Price List enclosed separately.

### Item-Numbering System

Items in this catalog have been assigned a number code to facilitate order handling and to provide a method for tracking requests. The first two letters in the Item Number (e.g., TGR-0010-MT) signify Terrestrial Geophysics; they are present in each number in this catalog. The third letter identifies the discipline code (i.e., R represents land gravity). The codes used for data-file identification are:

O = magnetics  
P = topography  
R = land gravity  
X = seismic reflection  
Y = well logs  
Z = geologic data reports (or other documentation)

The four-digit number code has significance only for NGDC; however, the last two letters represent the format medium of the data item.

MT = magnetic tape<sup>2</sup>  
BL = blackline paper  
SE = sepia paper  
PL = sepia plastic  
MF = microfilm  
PA = paper

---

<sup>1</sup>Information on surveys prior to 1955 may be obtained from the Branch of Alaskan Geology, Alaska Technical Data Unit, Mail Stop 48, U.S. Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025.

<sup>2</sup>The standard magnetic tape format for digital data sets is 9-track (1/2-inch magnetic tape) 1600 BPI; however, for an additional fee, other formats will be supplied on request.

### Seismic Data

Most of the CDP survey lines may be purchased as plastic, sepia, blackline or microfilm copies of the processed sections, velocity profiles and shot-point maps, or as demultiplexed digital tapes (in SEG-Y format). Full-scale 5 in./sec) sections are available for most of the lines, which were shot at either 6-, 12-, or 24-fold multiplicity.

### Well Data

Analog well logs are available on plastic, sepia, blackline, folded blackline, or microfilm copies. In addition, digital well logs on computer tapes (formats include Schlumberger LISLOG, DRESSER, and DATOUT) are also available. Seismic velocity data, synthetic seismograms, and species distribution charts for many of the wells may be purchased as plastic, sepia, blackline, folded blackline, or microfilm copies. Well core analyses are available mainly as paper copies.

### Gravity Data

Free-air and Bouguer gravity data for more than 53,000 gravity stations may be obtained on magnetic tape or microfilm. The data were acquired in the NPRA area along with the seismic reflection surveys. A 36-page report documents these tapes.

### Aerial Gamma Ray and Magnetic Survey Data

Radiometric and magnetic data are available as profiles on microfilm or as digital records on magnetic tape. Aerial data were recorded at 1-second intervals from a helicopter about 800 feet above the terrain.

### Geological and Geophysical Reports

These reports generally describe the surveys and give results and interpretations. Most of the index maps, shot-point location maps, structure maps, seismic sections, and other illustrations in these reports are available as blackline and sepia copies (both paper and plastic).

### Ordering Information

The latest Price List and order forms are enclosed separately for your convenience. Please include data Item Number with each request for data. Checks or money orders should be made payable to DOC/NOAA/NGDC and should accompany each order. Direct all orders or queries to:

National Geophysical Data Center  
325 Broadway, E/GC, Dept. CNP  
Boulder, CO 80303  
Telephone: (303) 497-6541; FTS: 320-6541

NOTE: This catalog supersedes all NPRA fliers (and prices therein) previously announced by the National Geophysical Data Center. Prices are subject to change.

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## CDP Seismic Reflection Data

Data Set Name: CDP Seismic Reflection Data, 1972-77 (1978 Q-Q)

Data Set No.: TGX-0011

### Principal Facts:

Survey date: 1972-77

Survey size: 4,060 line miles into northeast NPRA and in Barrow area

Fold: 3- or 6-fold, 1972-76; 6- or 12-fold, 1977

Seismic source: Dynamite

### Data Provided:

#### Item No.

TGX-0011-BL 2 index maps (scale 1:500,000 and 1:125,000), 7 shot-point location maps (scale 1:125,000), and 188 seismic sections (vertical scale 2.5 in./sec and 5 in./sec; horizontal scale 24 or 36 traces/in.) on blackline paper; or

TGX-0011-SE Data above on sepia paper; or

TGX-0011-PL Data above on sepia plastic.

Included with above data set are velocity analyses (35-mm microfilm) and text (paper copy).

### Optional Data:

TGZ-0230-MT Shot-point location data on magnetic tape

TGX-0060-MT Demultiplexed field tapes (SEG-Y format)

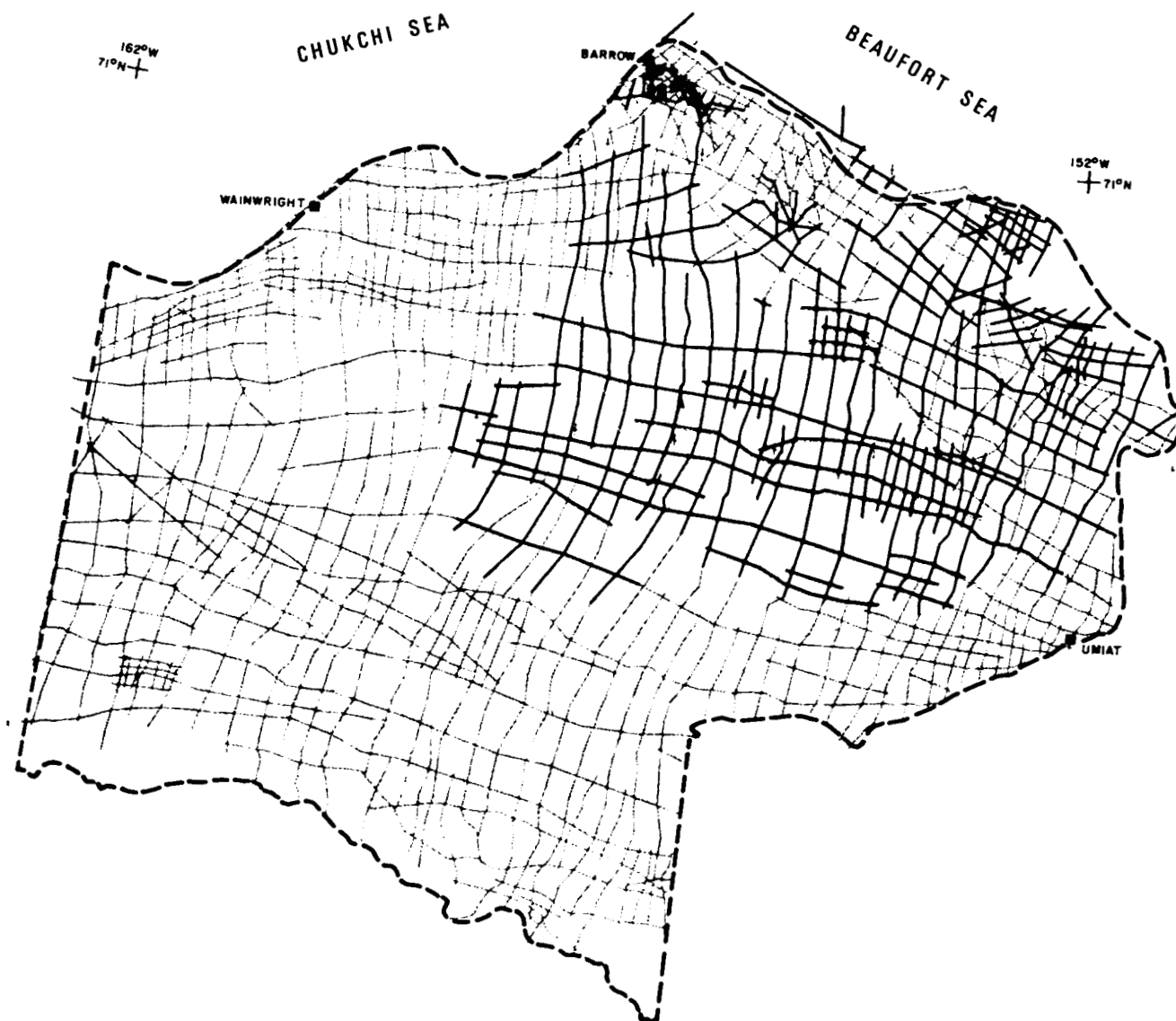
TGX-0061-MT Processed field tapes (SEG-Y format)

TGX-0014-MF Seismic sections on 35-mm microfilm

TGX-0010-MF\* Velocity analyses on 35-mm microfilm (6 reels)

---

\*Included with main data set.



Seismic line locations for Data Set TGX-0011.

Data Set Name: CDP Seismic Reflection Data, 1972-77 (1978 Q-Q)

Data Set No.: TGX-0012

Principal Facts:

Survey date: 1972-77  
Survey size: 1,649 line miles into northwest NPRA  
Fold: 3- or 6-fold, 1972-76; 6- or 12-fold, 1977  
Seismic source: Dynamite

Data Provided:

Item No.

TGZ-0230-MT 2 index maps (scale 1:500,000 and 1:125,000), 7 shot-point location maps (scale 1:125,000), and 51 seismic sections (vertical scale 2.5 in./sec and 5 in./sec; horizontal scale 24 or 36 traces/in.) on blackline paper; or

TGX-0012-SE Data above on sepia paper; or

TGX-0012-PL Data above on sepia plastic.

Included with above data set are velocity analyses (35-mm microfilm) and text (paper copy).

Optional Data:

TGZ-0230-MT Shot-point location data on magnetic tape

TGX-0060-MT Demultiplexed field tapes (SEG-Y format)

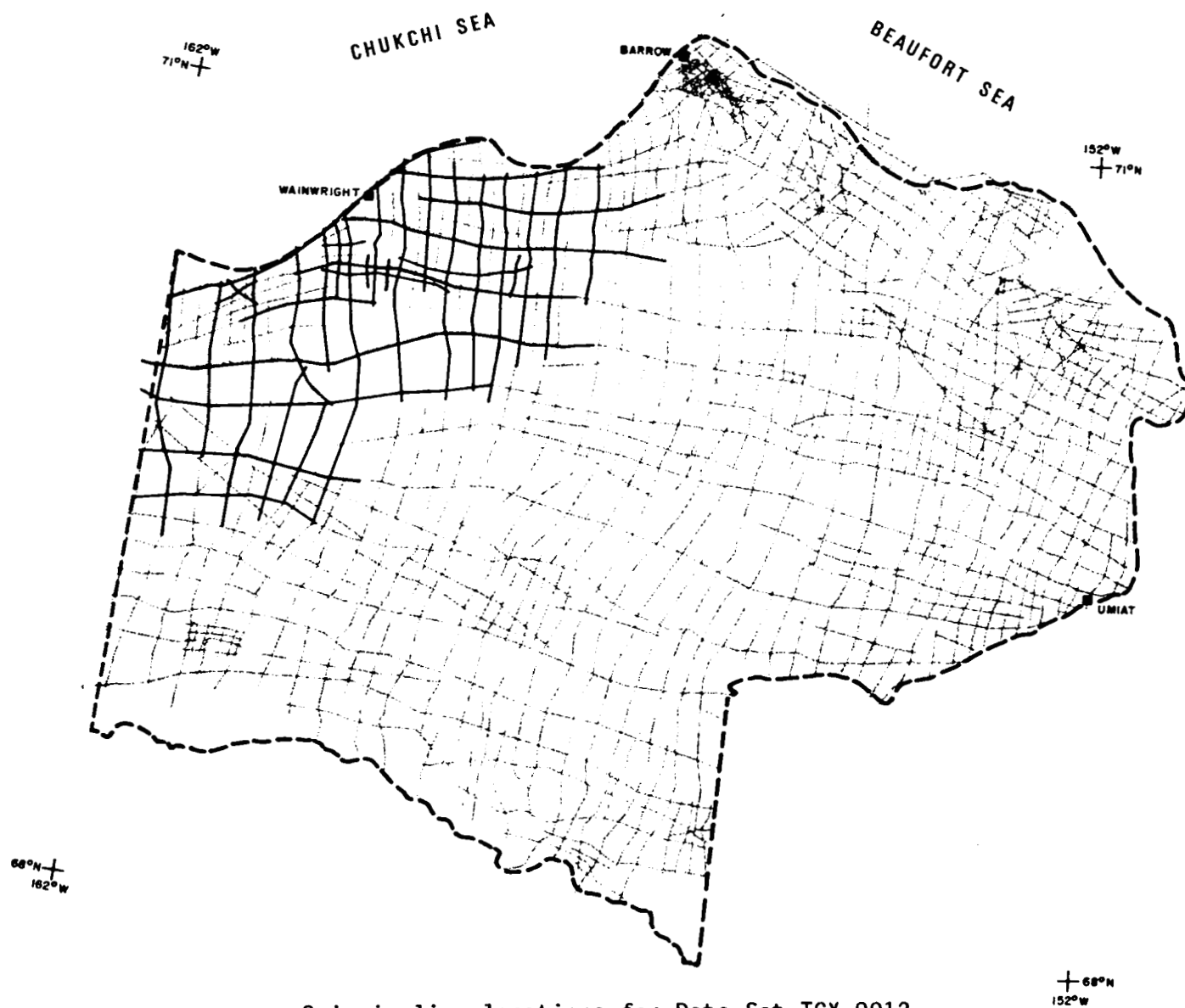
TGX-0061-MT Processed field tapes (SEG-Y format)

TGX-0014-MF Seismic sections on 35-mm microfilm

TGX-0010-MF\* Velocity analyses on 35-mm microfilm (6 reels)

---

\*Included with main data set.



Seismic line locations for Data Set TGX-0012.

Data Set Name: CDP Seismic Reflection Data, 1972-77 (1978 Q-Q)

Data Set No.: TGX-0013

Principal Facts:

Survey date: 1972-77  
Survey size: 1,971 line miles in southern NPRA  
Fold: 3- or 6-fold, 1972-76; 6- or 12-fold, 1977  
Seismic source: Dynamite

Data Provided:

Item No.

TGX-0013-BL 2 index maps (scale 1:500,000 and 1:125,000), 7 shot-point location maps (scale 1:125,000), and 51 seismic sections (vertical scale 2.5 in./sec and 5 in./sec; horizontal scale 24 or 36 traces/in.) on blackline paper; or  
TGX-0013-SE Data above on sepia paper; or  
TGX-0013-PL Data above on sepia plastic.

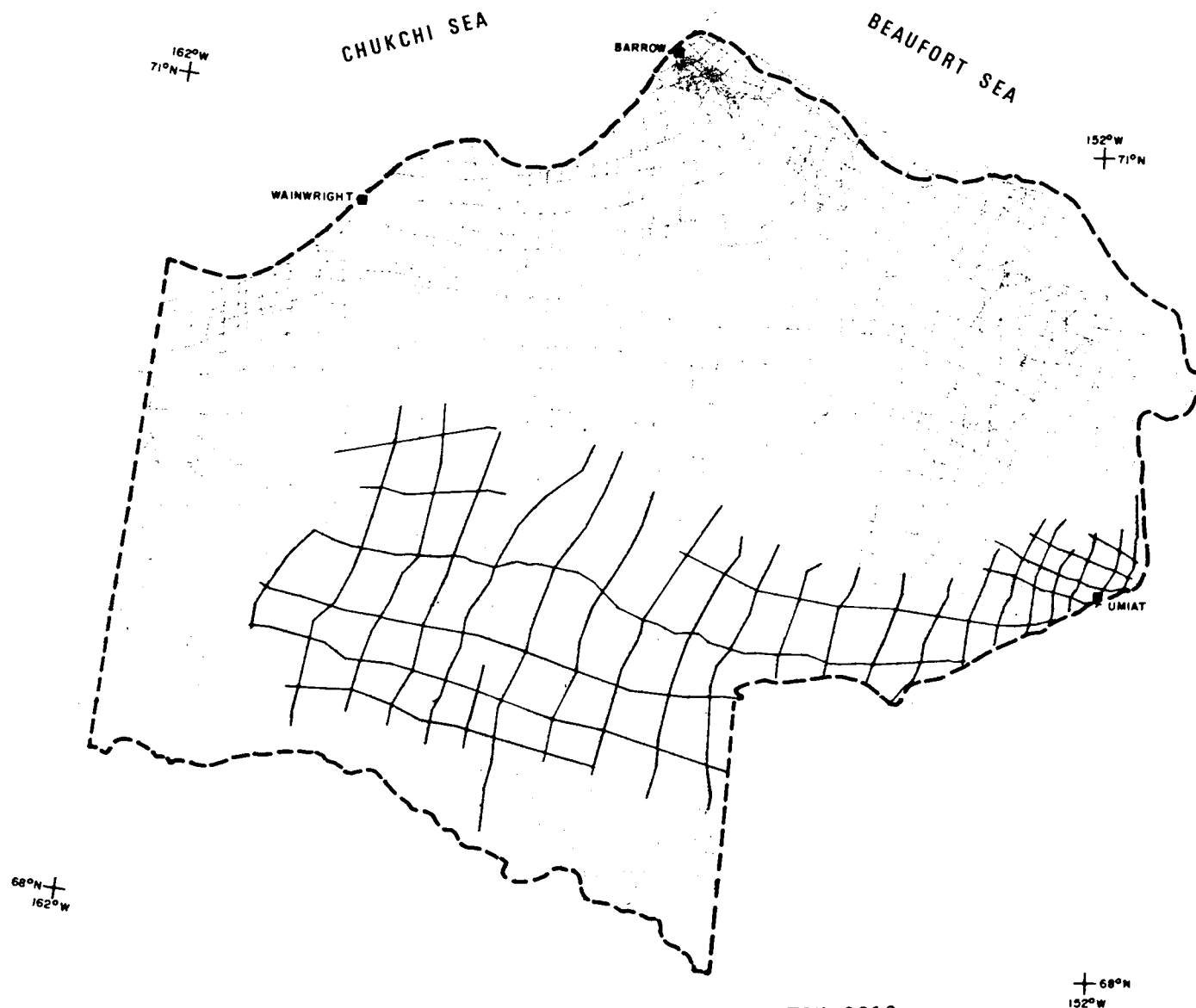
Included with above data set are velocity analyses (35-mm microfilm) and text (paper copy).

Optional Data:

TGZ-0230-MT Shot-point location data on magnetic tape  
TGX-0060-MT Demultiplexed field tapes (SEG-Y format)  
TGX-0061-MT Processed field tapes (SEG-Y format)  
TGX-0014-MF Seismic sections on 35-mm microfilm  
TGX-0010-MF\* Velocity analyses on 35-mm microfilm (6 reels)

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\*Included with main data set.



Seismic line locations for Data Set TGX-0013.

Data Set Name: Barrow Data (1980 SE-L)

Data Set No.: TGX-0030

Principal Facts:

Survey date: 1978

Data Provided:

Item No.

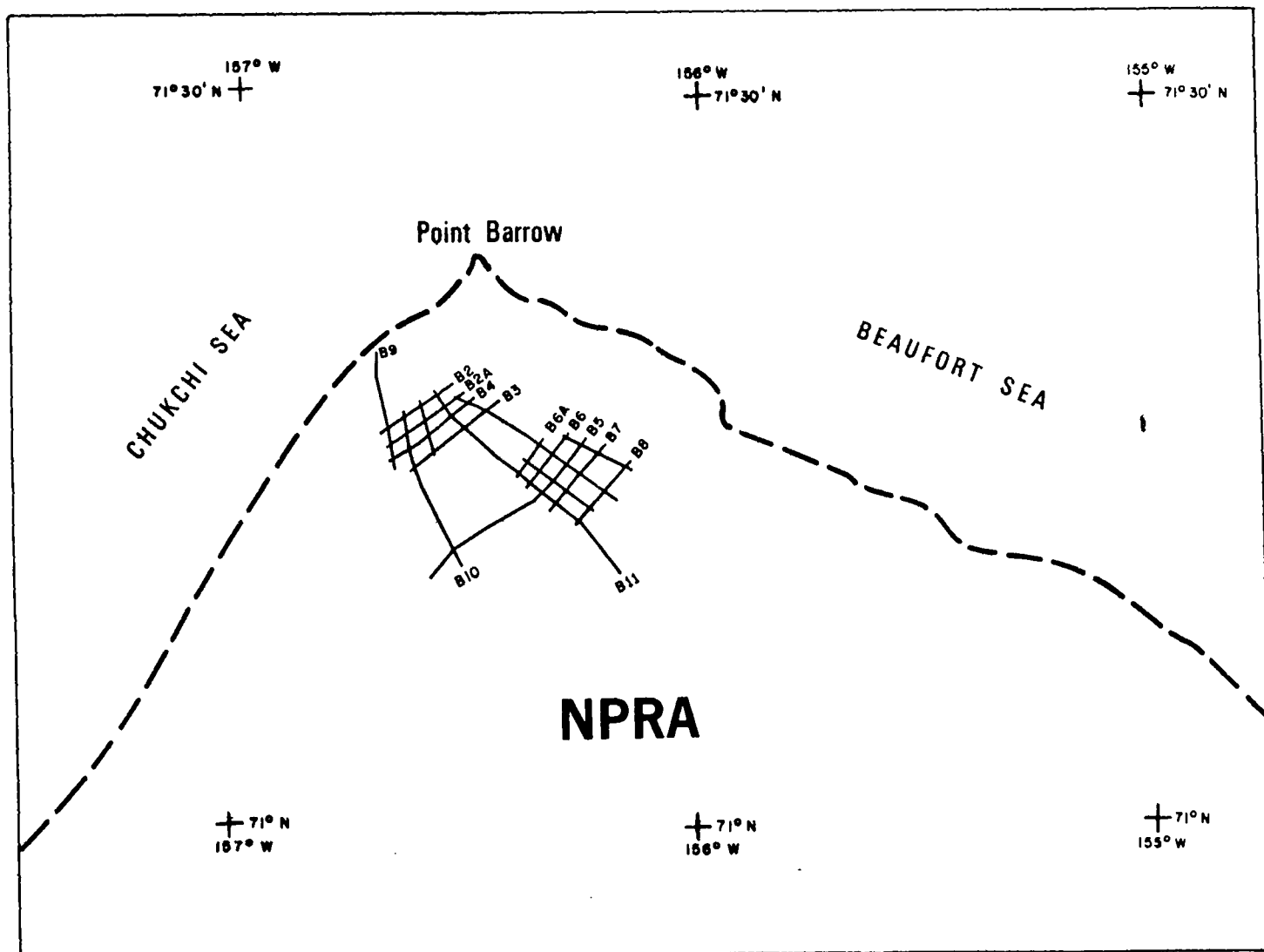
TGX-0030-BL	1 shot-point location map, 50 seismic sections (vertical scale 10 in./sec; horizontal scale 12 traces/in.); 33 sheets of well logs, geologic maps and sections, and sub-surface models on blackline paper; <u>or</u>
TGX-0030-SE	Data above on sepia paper; <u>or</u>
TGX-0030-PL	Data above on sepia plastic.

Included with above data set are paper copies of four reports:

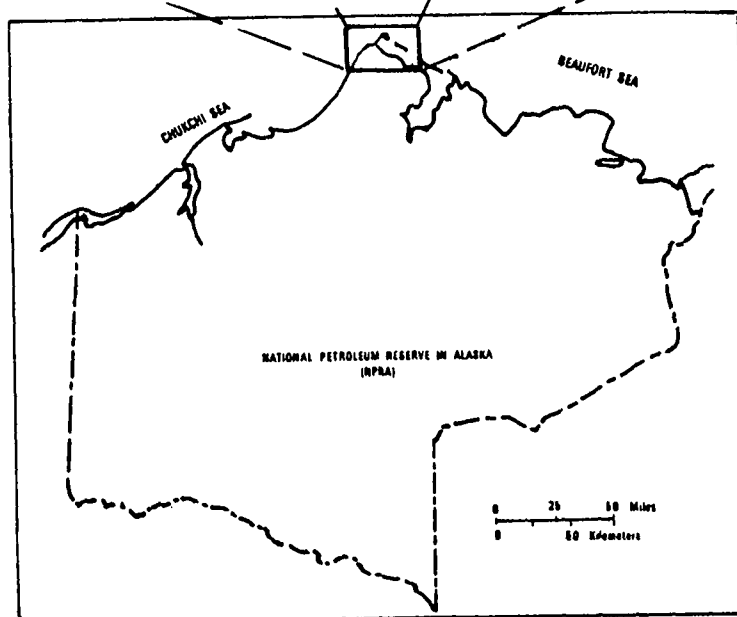
1. High-Resolution Stratigraphic Study, Barrow Area, 1979, 27 p.
2. Reservoir Engineering and Geologic Study of the South Barrow Gas Field, NPRA, 1979, 41 p.
3. Reservoir Engineering and Geologic Study of the East Barrow Gas Field, NPRA, 1978, 66 p.
4. A Study of Alternative Fuel Sources for Barrow, Alaska, and Supplement, 1979, 127 p.

Optional Data:

TGX-0031-MF	All data and reports on 35-mm microfilm
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Seismic line locations  
for Data Set TGX-0030.





Data Set Name: CDP Seismic Reflection Data, 1977-78 (1980 SE-M)

Data Set No.: TGX-0040

Principal Facts:

Survey date: 1977-78

Survey size: About 2,000 line miles (onshore and offshore)

Fold: 24-fold, about 100 line miles offshore; 6- and 12-fold, about 1,800 line miles near offshore; and 6-fold high resolution, about 90 line miles in Barrow gas field.

Seismic source: Air gun and dynamite.

Data Provided:

Item No.

TGX-0040-BL 9 shot-point location maps (scale 1:25,000, 1:36,000, and 1:500,000) and 121 seismic sections (scale varies) on blackline paper; or

TGX-0040-SE Data above on sepia paper; or

TGX-0040-PL Data above on sepia plastic.

Included with above data set are 800 velocity analyses (on 5 reels of 35-mm microfilm).

Optional Data:

TGZ-0230-MT Shot-point location data on magnetic tape

TGX-0041-MF Seismic sections on 35-mm microfilm

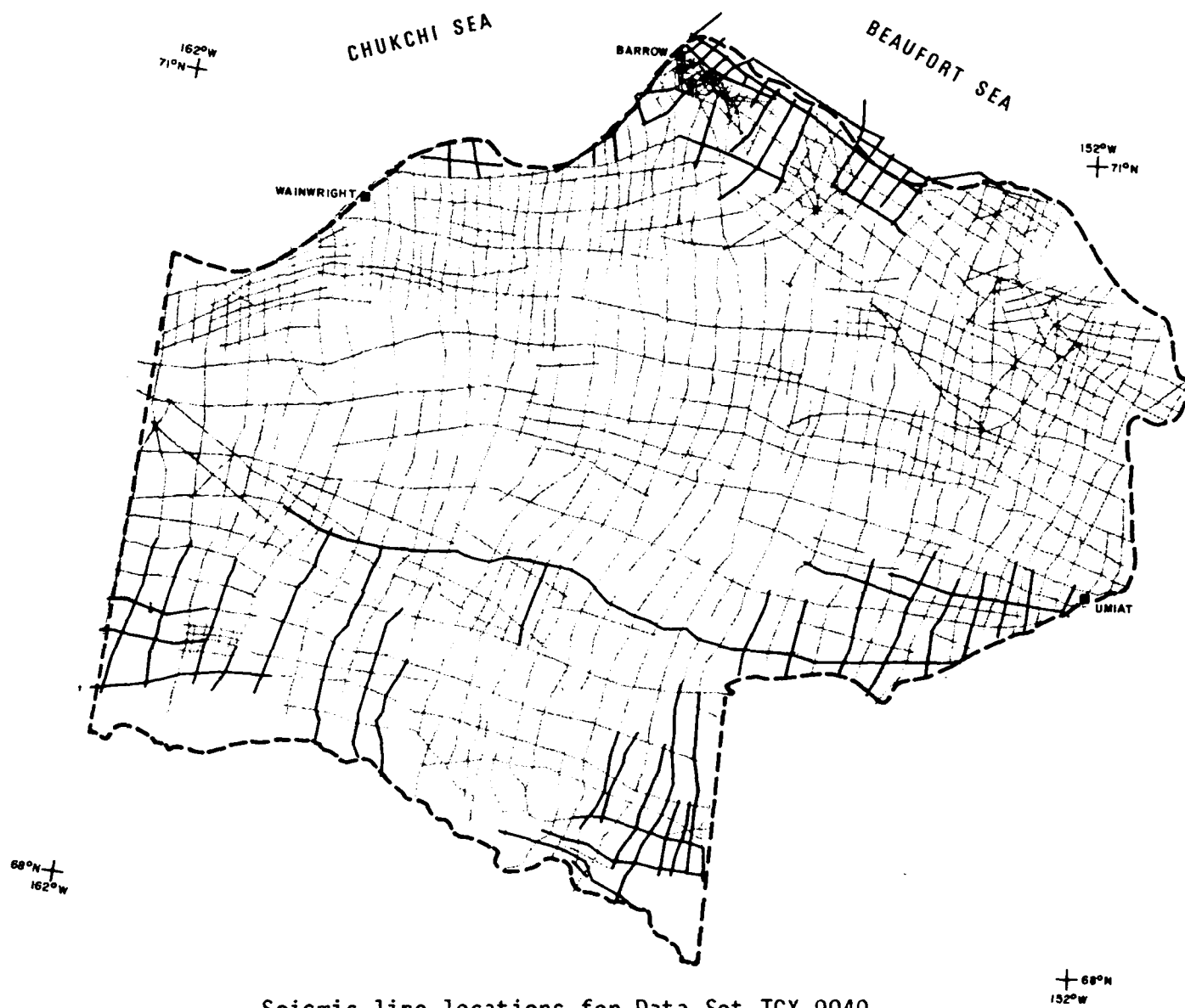
TGX-0060-MT Demultiplexed field tapes (SEG-Y format)

TGX-0061-MT Processed field tapes (SEG-Y format)

TGX-0042-MF\* Velocity analyses on 35-mm microfilm (5 reels)

---

\*Included with main data set.



Seismic line locations for Data Set TGX-0040.

Data Set Name: CDP Seismic Reflection Data, FY-1979 (1980 SE-LL)

Data Set No.: TGX-0070

Principal Facts:

Survey date: FY-1979

Survey size: 1,872 line miles (onshore)

Fold: Barrow area, 6-fold high resolution, 48 channels; southern Foothills area, 48- and 24-fold multiplicity, 96 channels; Driftwood-Southern Hills area, 6- and 12-fold multiplicity, 96 channels.

Seismic source: Barrow and Driftwood areas, dynamite; southern Foothills, Vibroseis.

Data Provided:

Item No.

TGX-0071-BL 8 shot-point location maps (scale 1:125,000) and 98 seismic sections (scale varies) on blackline paper; or

TGX-0071-SE Data above on sepia paper; or

TGX-0071-PL Data above on sepia plastic.

Included with above data set are velocity analyses (35-mm microfilm).

Optional Data:

TGZ-0230-MT Shot-point location data on magnetic tape

TGX-0060-MT Demultiplexed field tapes (SEG-Y format)

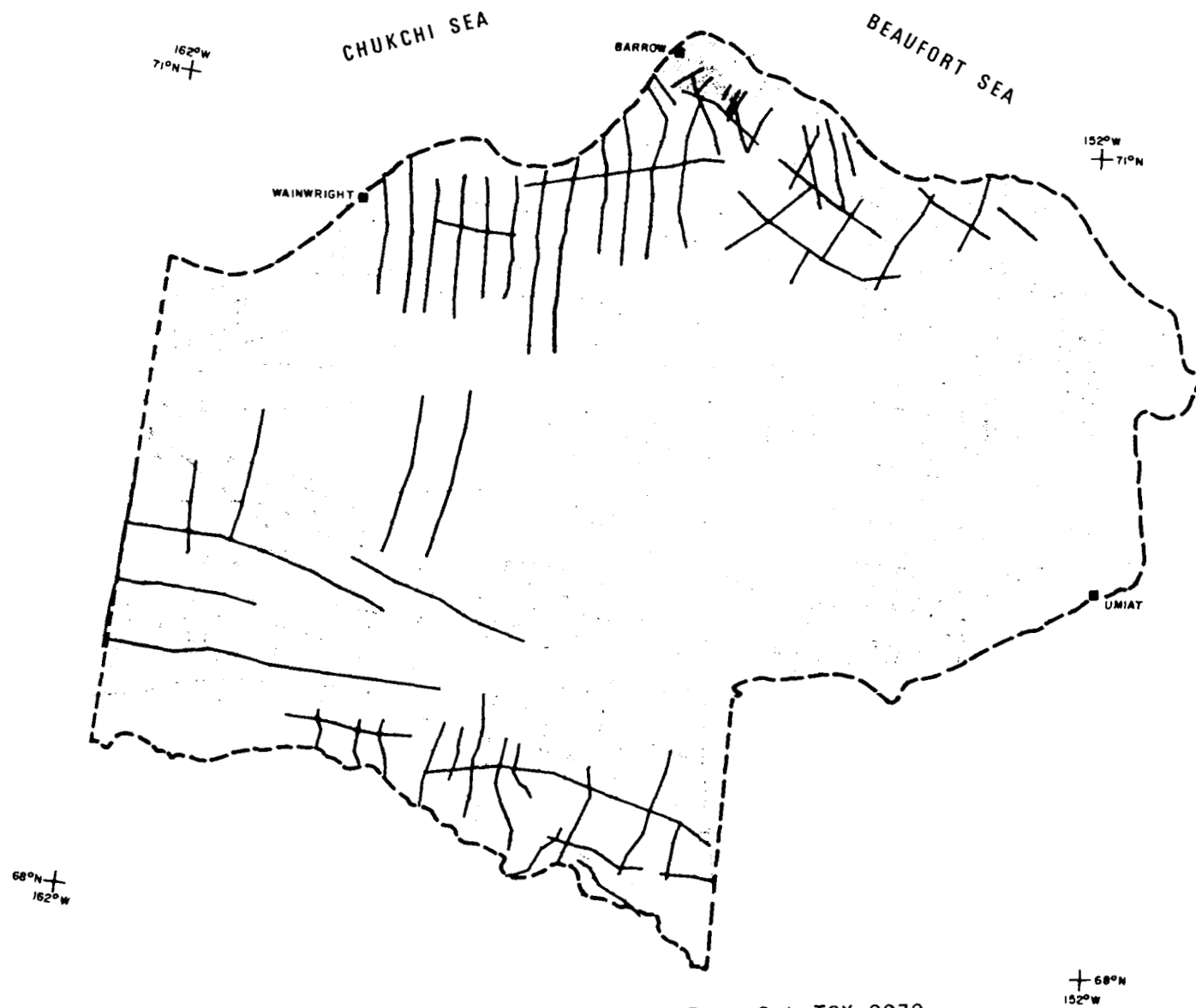
TGX-0061-MT Processed field tapes (SEG-Y format)

TGX-0072-MF\* Velocity analyses on 35-mm microfilm

TGX-0073-MF Seismic sections on 35-mm microfilm

---

\*Included with main data set.



Seismic line locations for Data Set TGX-0070.

Data Set Name: CDP Seismic Reflection Data, FY-1980 (1981 SE-D)

Data Set No.: TGX-0080

Principal Facts:

Survey date: FY-1980

Survey size: About 1,000 line miles (onshore)

Seismic source: Dynamite

Data Provided:

Item No.

TGX-0080-BL 8 shot-point location maps (scale 1:125,000) and 61 seismic sections (vertical scale 2.5 in./sec; horizontal scale 24 or 36 traces/in.) on blackline paper; or

TGX-0080-SE Data above on sepia paper; or

TGX-0080-PL Data above on sepia plastic.

Included with above data set are velocity analyses (35-mm microfilm).

Optional Data:

TGZ-0230-MT Shot-point location data on magnetic tape

TGX-0060-MT Demultiplexed field tapes (SEG-Y format)

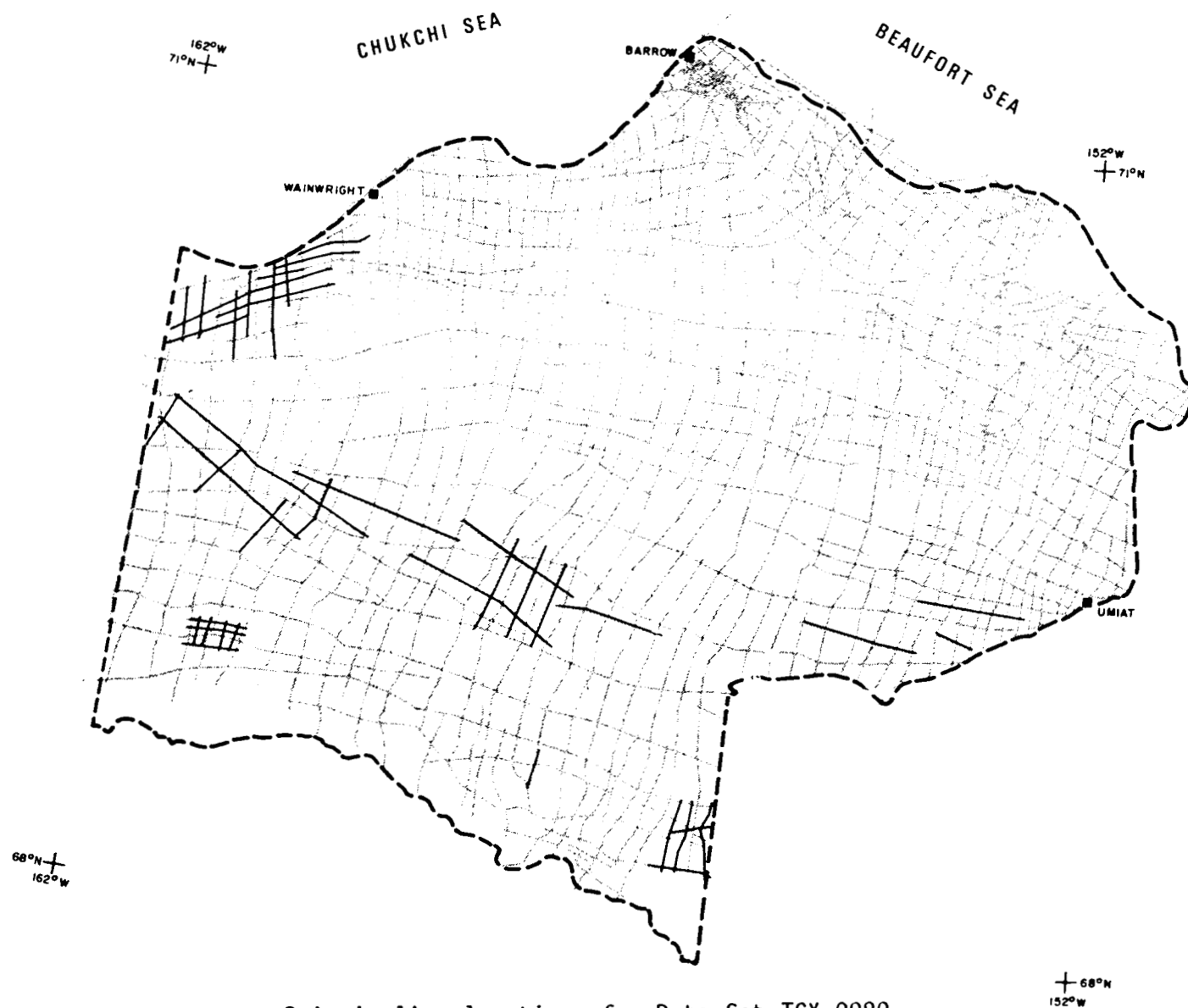
TGX-0061-MT Processed field tapes (SEG-Y format)

TGX-0081-MF\* Velocity analyses on 35-mm microfilm

TGX-0082-MF Seismic sections on 35-mm microfilm

---

\*Included with main data set.



Seismic line locations for Data Set TGX-0080.

Data Set Name: CDP Seismic Reflection Data, 1981 (81-TGB-28)

Data Set No.: TGX-0140

Principal Facts:

Survey date: 1981

Survey size: 590 line miles in northeast NPRA

Data Provided:

<u>Item No.</u>	
TGX-0141-BL	4 shot-point location maps (scale 1:125,000 and 1:250,000), 1 datum plane map, and 16 seismic lines presented on 27 seismic sections (vertical scale 5 in./sec; horizontal scale 12 traces/in.) on blackline paper; <u>or</u>
TGX-0141-SE	Data above on sepia paper; <u>or</u>
TGX-0141-PL	Data above on sepia plastic.
TGX-0142-BL	4 shot-point location maps (scale 1:125,000 and 1:250,000), 1 datum plane map, and 16 seismic lines presented on 27 seismic sections (vertical scale 2.5 in./sec; horizontal scale 24 traces/in.) on blackline paper; <u>or</u>
TGX-0142-SE	Data above on sepia paper; <u>or</u>
TGX-0142-PL	Data above on sepia plastic.
TGX-0143-BL	4 shot-point location maps (scale 1:125,000 and 1:250,000), 1 datum plane map, 16 seismic lines presented on 27 "squashed" seismic sections (vertical scale 2.5 in./sec; horizontal scale 189 traces/in. or 1:125,000) on blackline paper; <u>or</u>
TGX-0143-SE	Data above on sepia paper; <u>or</u>
TGX-0143-PL	Data above on sepia plastic.

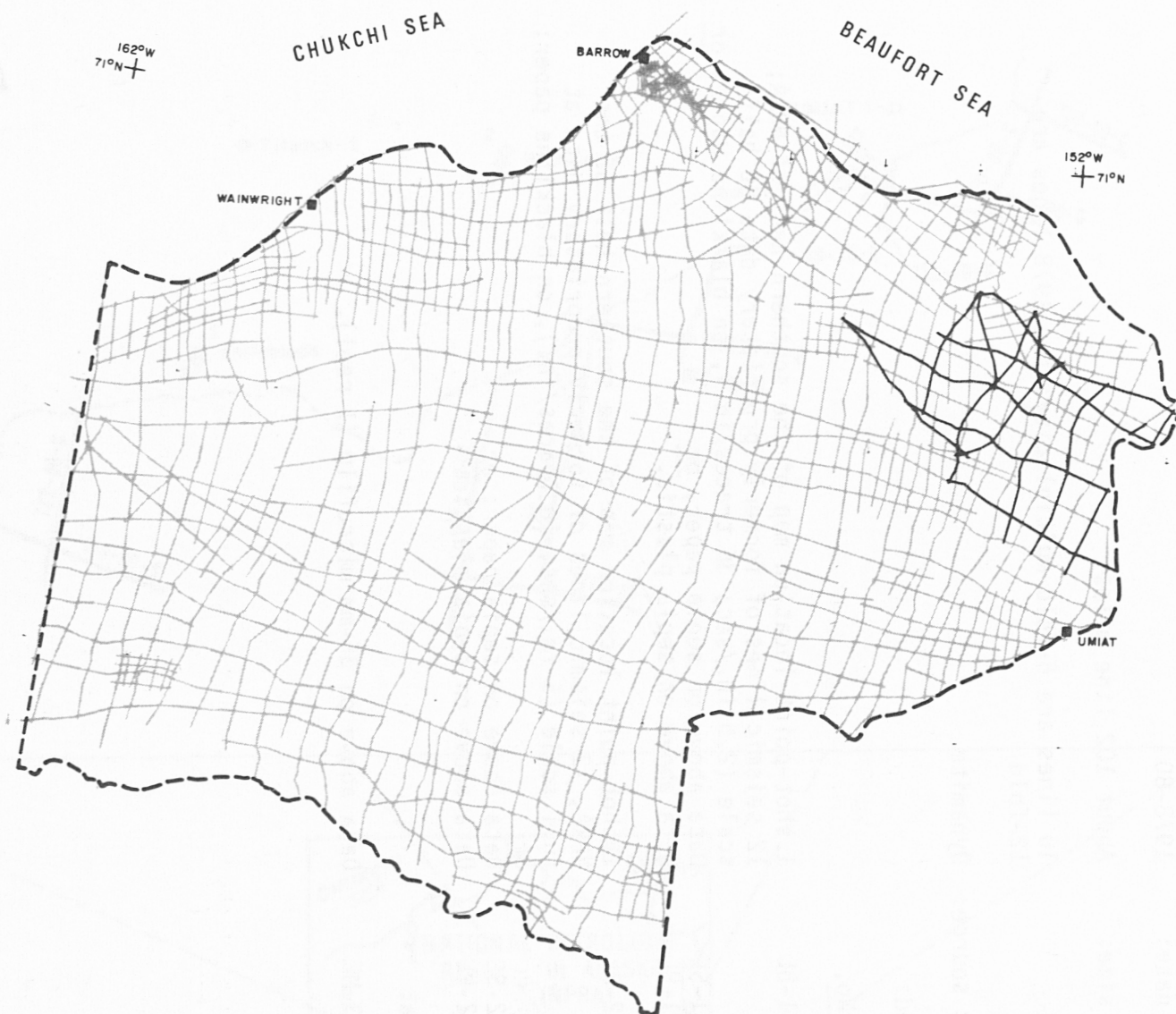
Included with above data sets are 304 velocity analyses (35-mm microfilm) and two texts (97 p., paper copy).

Optional Data:

TGX-0140-MF*	Velocity analyses on 35-mm microfilm.
TGZ-0250-MT	Shot-point location data on magnetic tape.
TGZ-0260-MT	Stacking velocity data on magnetic tape.
TGX-0146-PA*	Operations Report--1981 (16 p.).
TGX-0147-PA*	Barr Seismic Survey (81 p.).
TGX-0148-MF	Seismic sections on 35-mm microfilm
TGX-0060-MT	Demultiplexed field tapes (SEG-Y format)
TGX-0061-MT	Processed field tapes (SEG-Y format)

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\*Included with main data set.



Seismic line locations for Data Set TGX-0140.



Data Set Name: Inuit (Eskimo) Seismic Data (82-TGB-01)

Data Set No.: TGX-0160

Principal Facts:

Survey date: 1978-80

Survey size: About 102 line miles

Fold: 10 lines are 6-fold multiplicity; two 1978 lines are 12-fold

Seismic source: Dynamite

Data Provided:

Item No.

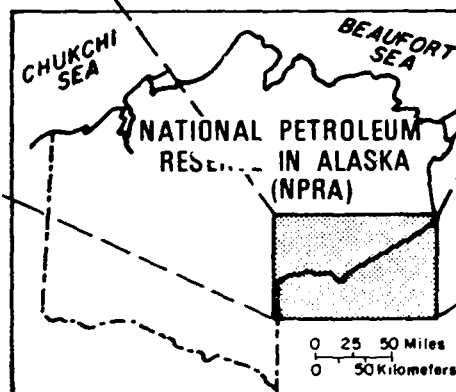
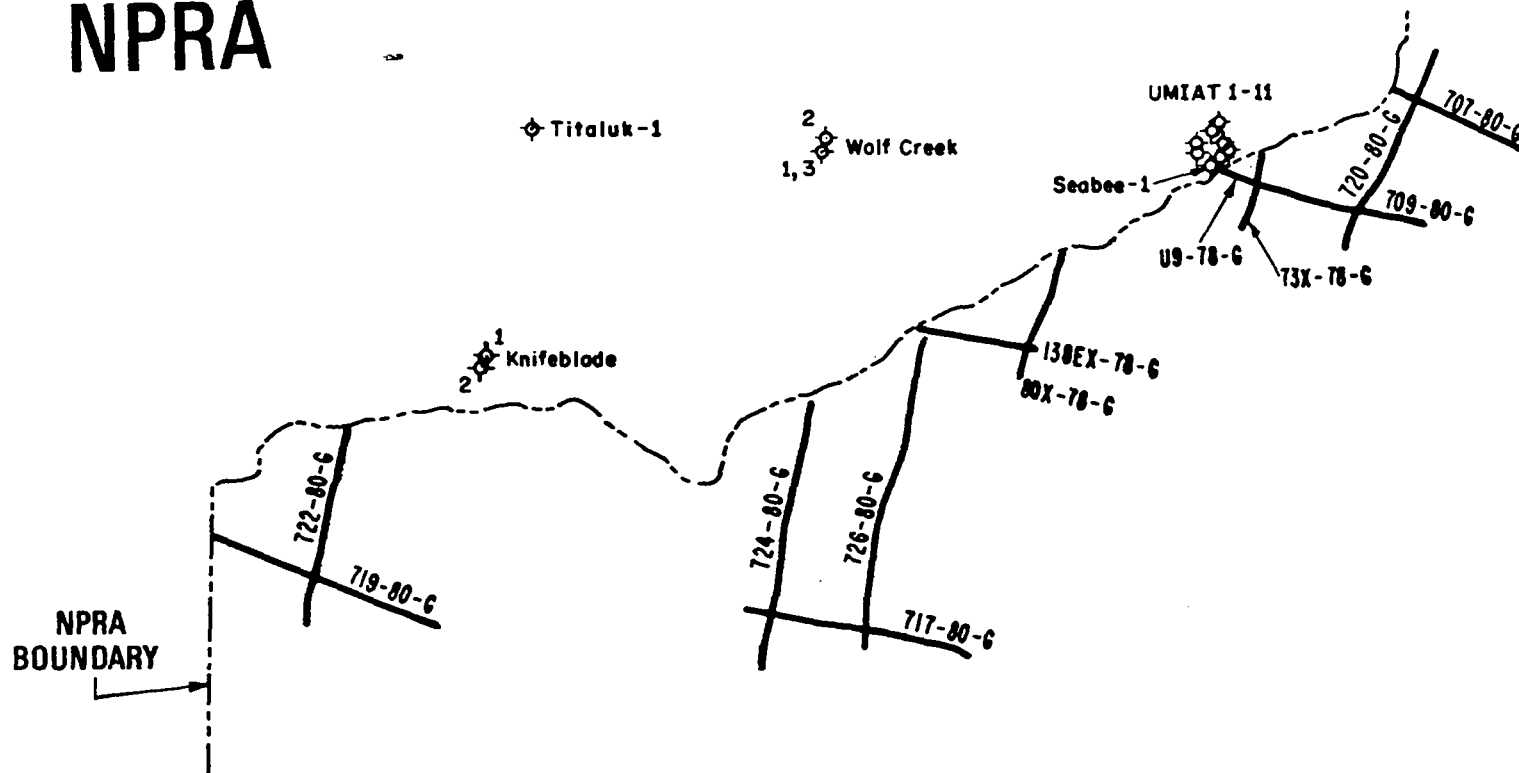
TGX-0161-BL 1 shot-point location map of the southern half of NPRA;  
12 seismic lines of formerly proprietary data at half  
scale (2.5 in./sec; 36 traces/in.), on blackline paper; or  
TGX-0161-SE Data above on sepia paper, or  
TGX-0161-PL Data above on sepia plastic.

TGX-0162-BL 1 shot-point location map of the southern half of the  
NPRA, 12 seismic lines of formerly proprietary data at  
full scale (5 in./sec; 18 traces/in.), on blackline paper;  
or  
TGX-0162-SE Data above on sepia paper; or  
TGX-0162-PL Data above on sepia plastic.

Optional Data:

TGX-0163-MF Data above on 35-mm microfilm (1 reel).

# NPRA



Locations of NPRA and Inuit seismic lines for Data Set TGX-0160.

Data Set Name: NPRA Shotpoint Base Maps, 1974-80 (83-TGB-07)

Data Set No.: TGZ-0170A

Principal Facts:

Composite shotpoint base maps (scale 1:125,000) for 1974-80 for the six quadrangles listed below:

East Barrow  
Killik River  
Lookout Ridge and Utukok  
Meade River and Wainwright Pass  
Misheguk Mtn. and Howard Pass  
West Barrow

Data Provided:

Item No.

TGZ-0170A-BL 6 shot-point base maps on blackline paper; or

TGZ-0170A-SE Above data on sepia paper; or

TGZ-0170A-PL Above data on sepia plastic.

Data are also available as a boxed set.

## Reprocessed Seismic Sections

Data Set Name: Reprocessed Seismic Sections, 1972-80 (81-TGB-27)

Data Set No.: TGX-0130

Survey date: 1972-80

Survey area: Mainly in Point Barrow, coastal zone, western sector of  
NPRA

### Data Provided:

#### Item No.

TGX-0130-BL 136 reprocessed seismic lines, some migrated sections, and  
other data on blackline paper; or

TGX-0130-SE Data above on sepia paper; or

TGX-0130-PL Data above on sepia plastic.

### Optional Data:

TGX-0131-MF Seismic sections on 35-mm microfilm.

Data Set Name: Reprocessed Seismic Sections (RCS)  
Regional Geophysical Data and Compressed Sections (82-TGB-08)

Data Set No.: TGX-0170

Principal Facts:

These data represent a "squashed" reprocessing of approximately 5,800 line miles of seismic data, originally surveyed during 1974-80. The 20 sections were compressed to a scale identical to previous regional maps (1:125,000).

Lines reprocessed to generate regional compressed sections (RCS) are:

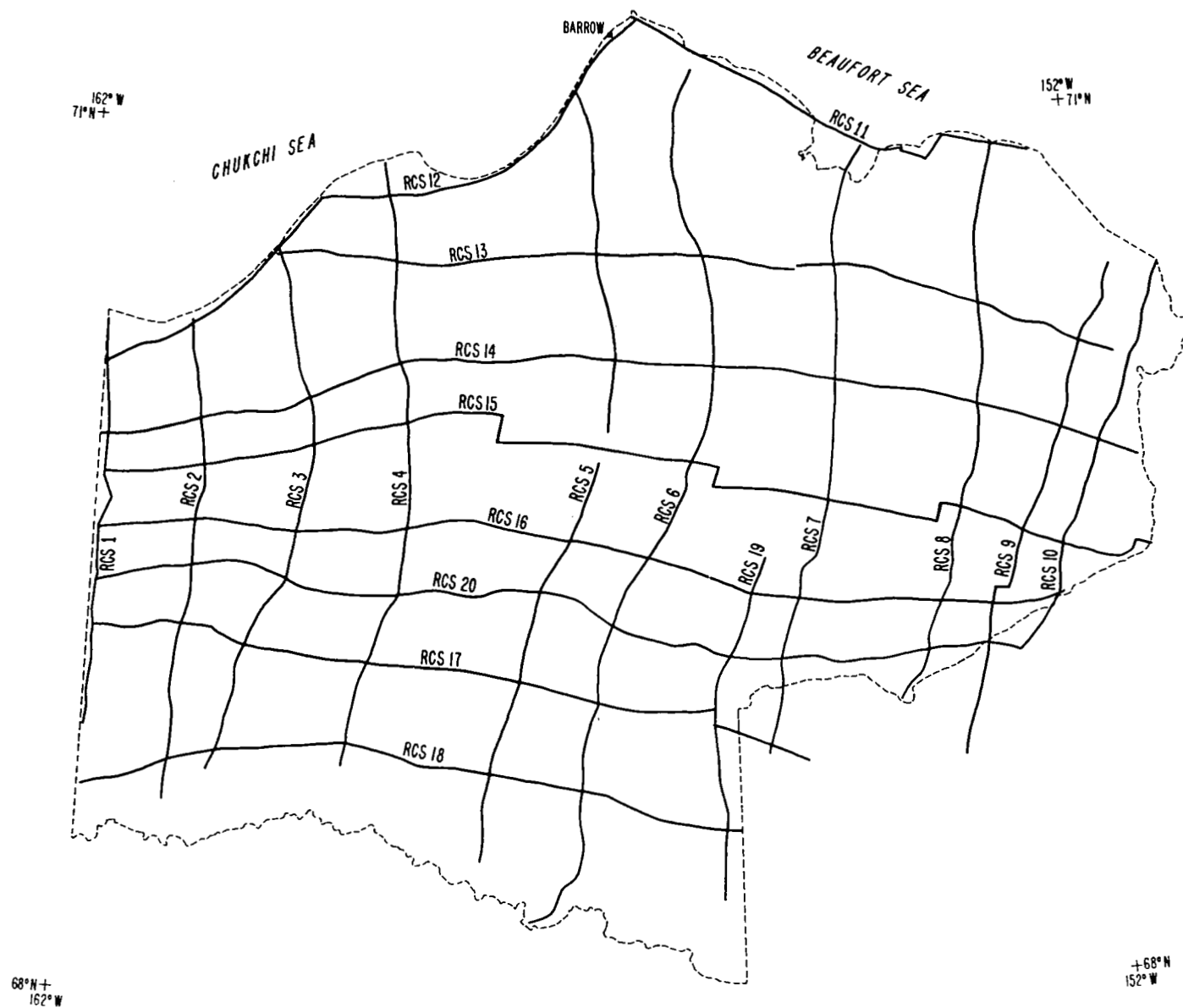
- RCS - 1. 630-79, 728-80, 133X-77, 133-76
- RCS - 2. 130X-78, 130-76
- RCS - 3. 127X-78, 127X-77, 127X-76
- RCS - 4. 122X-77, 122-76, 122X-78
- RCS - 5. 87-77, 52-75, B24-78
- RCS - 6. 47XS-79, 47X-78, 47-78, 47-75, 624-79
- RCS - 7. 722-80, 36X-77, 36X-75, 36-74, B21-78
- RCS - 8. 7X-77, 7X-75, 7-74
- RCS - 9. 726-80, U5-78, 711-80, 25X-77, 25X-75, 25-74
- RCS -10. 29X-77, 29X-75, 29-74
- RCS -11. B14-78, 2-74, 10-74, 3-74, 4-74
- RCS -12. 125-76, 55-76, B1-78
- RCS -13. 26-76, 26X-75, 26-74
- RCS -14. 58-76, 58-75
- RCS -15. 61-76, 61-75, 65-75, 62-75, 46-75, 63-75, 43-75, 71-75, 71-77, 78-77, 81-77, 707-80
- RCS -16. 68W-77, 68-76, 68-75, 68E-77
- RCS -17. 85X-78, 85-77, 37-77, 719-80
- RCS -18. 107XW-78, 107-77, 107XE-78
- RCS -19. 37X-78, 37X-77
- RCS -20. 138W-77, 138-76, 138E-77, 138EX-77

Data Provided:

<u>Item No.</u>	
TGX-0170-BL	1 index shot-point base map of NPRA (scale 1:500,000). RCS index maps overlaid on a Bouguer gravity map, geologic map, well location map, aeromagnetic map, and 20 regional compressed sections (RCS), and data on blackline paper; <u>or</u>
TGX-0170-SE	Data above on sepia paper; <u>or</u>
TGX-0170-PL	Data above on sepia plastic.

Optional Data:

TGX-0171-MF	Data above on 35-mm microfilm (1 reel)
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Line locations of regional compressed sections for Data Set TGX-0170.

Data Set Name: Miscellaneous Compressed Sections (MCS)  
Regional Geophysical Data and Compressed Sections (82-TGB-08)

Data Set No.: TGX-0175

Principal Facts:

These data represent a "squashed" reprocessing of over three dozen lines of seismic data, originally surveyed during 1974-80. The 35 sections were compressed to a scale identical to previous regional maps (1:125,000).

Lines reprocessed to generate miscellaneous regional compressed sections (MCS) are:

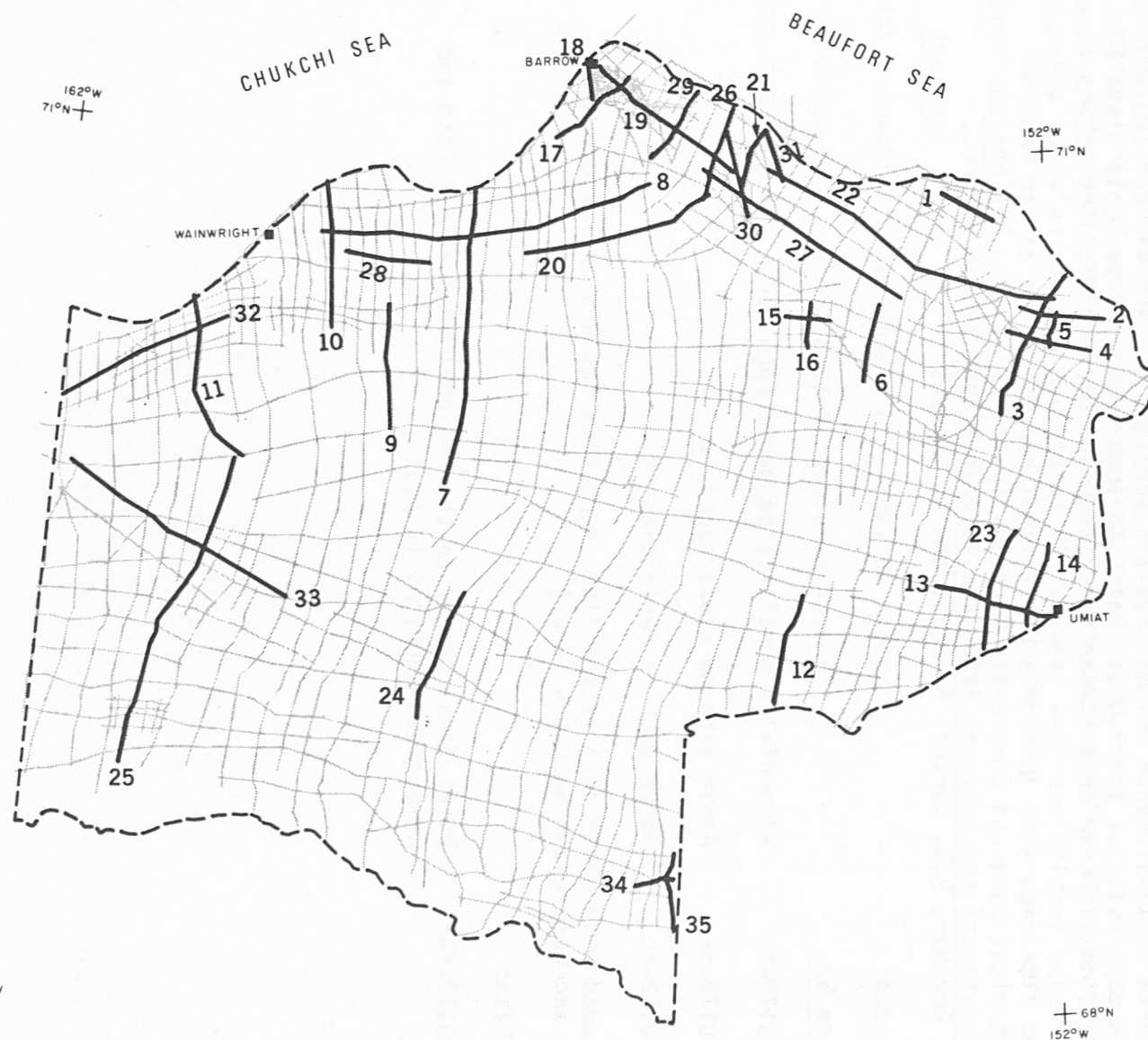
MCS - 1.	6-74	MCS -19.	B11-78
MCS - 2.	18-74	MCS -20.	B19-78, 57-75
MCS - 3.	19-74	MCS -21.	B28-78
MCS - 4.	22-74	MCS -22.	75X-78, 75-75
MCS - 5.	23-74	MCS -23.	80X-78, 80-77
MCS - 6.	35-74, 35-75	MCS -24.	89X-78
MCS - 7.	65-75, 65-76	MCS -25.	137X-78, 137-77
MCS - 8.	56-76, 56-76, 56-75	MCS -26.	628N-79
MCS - 9.	121-76	MCS -27.	659-79, 667-79, 77-75
MCS -10.	123-76	MCS -28.	663-79
MCS -11.	129-76	MCS -29.	668-79, B17-78
MCS -12.	3X-77	MCS -30.	672-79
MCS -13.	72-77	MCS -31.	676-79
MCS -14.	79-77	MCS -32.	D5XW-80
MCS -15.	D100-77	MCS -33.	725-80
MCS -16.	D102-77	MCS -34.	743-80
MCS -17.	B5-78	MCS -35.	766-80
MCS -18.	B9-78, 655-79		

Data Provided:

<u>Item No.</u>	
TGX-0175-BL	Thirty-five miscellaneous compressed sections, on blackline paper; <u>or</u>
TGX-0175-SE	Data on sepia paper; <u>or</u>
TGX-0175-PL	Data on sepia plastic.

Optional Data:

TGX-0176-MF	All sections on 35-mm microfilm.
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Line locations of miscellaneous compressed sections for Data Set TGX-0175.



Data Set Name: Supplement to NPRA Regional Geophysical Data - Regional Depth Seismic Horizon Sections (82-TGB-08A)

Data Set No: TGX-0172

Principal Facts:

The NPRA regional depth seismic horizon sections are presented as 20 profiles at a scale of 1:125,000. Refer to index map on page 25 for location of sections. These seismic-depth horizons can be used with the regional compressed section overlays (see p. 24) to provide easy correlation of data. The data also include a brief final report on the entire Regional Geophysical Data and Compressed Sections (p. 24-27) titled Regional Geophysics of the National Petroleum Reserve Alaska by D.F. Barnes, A.L. Bowsher, R.D. Carter, M. Cobb, and S. Gutman.

Data Provided:

Item No.

TGX-0172-BL 20 profiles on blackline paper; or

TGX-0172-SE Above data on sepia paper; or

TGX-0172-PL Above data on sepia plastic.

Included with above data is the final report on the Regional Geophysical Data and Compressed Sections (2 p.)

Optional Data:

TGX-0172-PA\* Brief final report on the Regional Geophysical Data and Compressed Sections (2 p.)

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\*Included with main data set.

Data Set Name: Reprocessed Seismic Sections - Koluktak Prospect (83-TGB-07)

Data Set No.: TGX-0130A

Principal facts:

Two reprocessed seismic sections for line 36x-75 - Koluktak Prospect.  
Shotpoints 268-327 which cross the Koluktak well at shotpoint 300.  
Zero phase stack and migrated acoustic impedance at 2½ in. per second  
were processed by Sytech in September 1981 for the U.S. Geological  
Survey.

Data Provided:

Item No.

TGX-0130A-BL	Two charts on blackline paper; <u>or</u>
TGX-0130A-SE	Above data on sepia paper; <u>or</u>
TGX-0130A-PL	Above data on sepia plastic.

Data Set Name: NPRA Seismic Correlation--Supplement to Stratigraphic Evaluation, Barrow Area (83-TGB-07)

Data Set No.: TGZ-0093A

Principal Facts:

Supplemental data to NPRA report titled Stratigraphic Evaluation of the NPRA, Barrow Area, Alaska. Ten seismic lines (A-72 through M-72, excluding lines H and I) are available in three variations of processing: SYN-LOGS, Automatic Gain Control (AGC), and True Amplitude (TA). All are available in two scales - 5 in./sec and 10 in./sec.

Data Provided:

Item No.

TGZ-0093A-BL	Ten seismic lines at 5 in./sec; ten lines at 10 in./sec on blackline paper; <u>or</u>
TGZ-0093A-SE	Above data on sepia paper; <u>or</u>
TGZ-0093A-PL	Above data on sepia plastic.

Data Set Name: NPRA 1981 Seismic Sections (83-TGB-07)

Data Set No.: TGX-0190

Principal Facts:

1981 seismic sections, scaled final stack--reversed polarity, available in full or half scale, and 1981 Velscans, both on 105-mm cut film.

Data Provided:

Item No.

TGX-0190            457 105-mm cut films of 1981 seismic sections; or

TGX-0191            153 105-mm cut films of 1981 Velscans.

## Seismic Reflection Field Tapes

Data Set Name: Seismic Reflection Field Tapes, 1972-81 (1980 SE-HH)

Data Set No.: TGX-0060

### Principal Facts:

Survey date: 1972-81

Coverage: NPRA region (1972-73 data cover Barrow area only)

Seismic source: Dynamite (1972-81); some Vibroseis (1979)

### Data Provided:

#### Item No.

TGX-0060-MT Demultiplexed raw field data on magnetic tape (SEG-Y format). Order by year, line number, and shot-point interval (about 3,700 tapes).

A listing of CDP seismic reflection line numbers, shot points, and number of tapes begins on the following page.

Ordering information: For assistance in ordering seismic tapes, call 303-497-6120 (FTS 320-6120). Cost estimates will be furnished on request. Orders for more than 10 lines should be detailed in writing. Prepayments are required for all orders.

# CDP SEISMIC REFLECTION LINE NUMBERS, SHOT POINTS, AND NUMBER OF TAPES, 1972-81

(The last two digits in each "line number" designate the year. HR in the "shotpoint" column means high resolution. In some cases the number of field tapes shown is approximate.) All tapes contain demultiplexed raw field data (SEG-Y format).

Line Number	Shot-Point Range	No. of Field Tapes	Line Number	Shot-Point Range	No. of Field Tapes
A-72	1-38	2	9-74	1-84	2
B-72	1-60	2	10-74	1-112	4
C-72	1-23	2	11-74	1-82	3
D-72	1-21	1	12-74	1-56	2
E-72	1-40	1	13-74	1-71	3
F-72	1-36	1	14-74	1-72	2
G-72	1-23	1	15-74	1-78	3
H-72	0-22	1	16-74	1-69	2
I-72	1-73	3	17-74	1-148	5
J-72	1-45	2	18-74	1-88	4
K-72	1-69	3	19-74	1-153	4
L-72	1-84	3	20-74	1-110	3
M-72	1-47	2	21-74	1-86	3
N-72	1-118	4	22-74	1-82	3
O-74	1-30	2	23-74	1-38	2
P-74	1-17	1	24-74	1-65	3
Q-72	1-44	2	25-74	1-126	4
R-74	1-23	1	26-74	1-318	10
S-74	1-31	1	27-74	1-128	4
T-74	1-24	1	28-74	1-55	2
U-74	1-46	2	29-74	1-136	5
V-74	1-52	2	30-74	1-250	7
W-74	1-25	1	31-74	1-40	1
X-74	1-19	1	32E-74	1-35	1
1-74	1-46	2	32W-74	1-63	2
2-74	1-28	1	33-74	1-45	2
3N-74	1-63	2	34-74	1-119	3
3S-74	126-225	3	35-74	1-77	1
4-74	1-80	3	36-74	1-94	3
5N-74	4-75	4	37-74	1-43	2
5L-74	101-149	2	38-74	1-108	3
5S-74	1-97	3	40-74	1-77	3
6-74	1-65	2	41-74	1-62	2
7-74	1-203	6	42-74	1-80	3
8-74	1-90	3	Y-74	1-25	1

CDP SEISMIC REFLECTION LINE NUMBERS, SHOT POINTS, AND NUMBER OF TAPES, 1972-81  
(CONT.)

Line Number	Shot-Point Range	No. of Field Tapes	Line Number	Shot-Point Range	No. of Field Tapes
Z-74	1-19	1	54S-75	1-176	7
LX-74	101-155	3	55-75	1-89	3
XX-74	101-125	1	56-75	1-73	4
1D-74	1-46	2	57-75	1-187	6
2D-74	1-28	2	58-75	3-568	15
3D-74	2-37	3	59-75	1-578	16
4D-74	1-38	2	60-75	1-62	1
5D-74	1-26	1	61-75	1-56	2
6D-74	1-48, 101	3	62-75	1-60,	8
7D-74	2-56	2		73-238	
3-75	105-127	1	63-75	4-489	15
3X-75	1-194	6	64-75	1-68	2
5X-75	1-197	8	65-75	1-89	3
7X-75	6-125	4	66-75	1-162	6
17X-75	148-328	5	67-75	1-40	2
19X-75	1-161	5	68-75	1-187	6
25X-75	1-103	3	69-75	1-57	2
26X-75	319-487	5	70-75	1-175	6
29X-75	136-260	5	71-75	1-76	3
30X-75	1-319	11	72-75	1-76	3
32-75	35-107	3	74-75	1-68E	2
35-75	77-139	3	75-75	1-212	5
36X-75	94-373	10	76-75	1-81	3
37X-75	1-267	8	77-75	5-83	3
38X-75	1-37	1	DS1-76	1-74	3
39-75	1-202	6	DS3-76	1-40	2
40X-75	1-125	3	26-76	487-817	10
43-75	1-203	6	30-76	322-610	9
44-75	1-88	3	55-76	101-316	5
45-75	1-267	9	56-76	101-240,	8
				333-443	
46-75	1-283	8	58-76	664-1125	10
47-75	1-380,	17	61-76	101-455	11
	411-536		64-76	90-291	7
48-75	1-132	5	64-76	101-299	7
49-75	1-348	9	65-76	90-291	6
50-75	1-43	2	68-76	345-476	4
51N-75	1-327	8	120-76	1-234	7
51S-75	400-557	6	121-76	1-220	7
52-75	1-289	8	122-76	130-372	7
53-75	10-289	10	123-76	1-144	4
54N-75	201-334	4	124-76	1-248	7

CDP SEISMIC REFLECTION LINE NUMBERS, SHOT POINTS, AND NUMBER OF TAPES, 1972-81  
(CONT.)

Line Number	Shot-Point Range	No. of Field Tapes	Line Number	Shot-Point Range	No. of Field Tapes
125-76	1-359	9	5-77	300-435	9
126-76	1-127	3	7-77	300-490	14
127-76	1-328	10	19-77	501-629	14
128-76	1-146	4	25-77	501-636	10
129-76	1-176	4	29-77	374-470	7
130-76	1-137, 146-284	8	36-77	400-533	10
133-76	1-152	5	37-77	400-760	23
134-76	80-222	4	45-77	601-952	25
135-76	1-162	4	46-77	340-700	23
136-76	1-142	3	49-77	400-756	23
138-76	1-100	3	59-77	687-730	5
D1-77	1-48	3	63-77	492-615	9
D2-77	1-38	2	64-77	300-659	24
D3-77	1-80	3	68E-77	600-943	26
D4-77	1-42	2	68W-77	1000-1100	8
D5-7	1-132	4	68WX-77	476-545	7
D6-77	1-33	2	71-77	1-162	13
D7-77	1-32	2	72-77	103-250	13
D8-77	1-137	5	73-77	1-83	8
D9-77	1-44	2	78-77	1-74	8
D90-77	1-90	3	79-77	1-91	9
D91-77	1-91	3	80-77	1-132	11
D92-77	1-76	3	81-77	1-84	8
D93-77	1-346	13	83-77	1-95	7
D94-77	1-69	3	85-77	1-736	41
D95-77	1-86	3	86-77	1-748	42
D96-77	1-77	3	87-77	100-606	29
D97-77	1-115	4	88-77	93-505	24
D97E-77	201-285	3	89-77	500-635	8
D98-77	1-79	3	107-77	101-372, 379-592	28
D99-77	1-162	5	122-77	401-760	24
D100-77	1-46	2	124-77	249-639	24
D101-77	1-69	2	127-77	330-500	10
D102-77	1-45	2	131-77	1-134	14
D103-77	1-41	2	133-77	200-298	8
D104-77	1-40	2	137-77	1-86	7
D105-77	1-73	3	138W-77	201-270	6
D106-77	1-40	2	138E-77	500-1301	53
D107-77	1-104	4	B33-78	86-702	6
3-77	300-423	11	B27-78	670-2709	18



CDP SEISMIC REFLECTION LINE NUMBERS, SHOT POINTS, AND NUMBER OF TAPES, 1972-81  
(CONT.)

Line Number	Shot-Point Range	No. of Field Tapes	Line Number	Shot-Point Range	No. of Field Tapes
B30-78	150-641	5	B11A-78	1-101 (HR)	2
1X-78	4-121	6	B12-78	1-228 (HR)	4
17X-78	329-463	10	B13-78	101-190 (HR)	2
37X-78	887-1097	12		190-273	12
45X-78	996-1361	15	B13W-78	1000-1216	11
47X-78	715-1300	29	B14-78	156-1566	69
51X-78	600-911	19	B15-78	1-21	5
73X-78	101-137	3	B16-78	1-22	4
75X-78	4-584	14	B17-78	1-70	7
80X-78	133-200	4	B18-78	1-197	36
85X-78	2000-2216	14	B19-78	1-144	13
86X-78	756-974	15	B20-78	6-110	7
89X-78	305-499	12	B21-78	1-252	14
89XS-78	700-800	6	B22-78	1-394	85
107XW-78	593-882	19	B23-78	1-122	3
107XE-78	1700-2106	21	B24-78	1-76	1
121X-78	220-441	8	B25-78	2-50	1
122X-78	1-117	4	B26-78	1-31	1
127X-78	1000-1129	8	B28-78	4-300	11
130X-78	293-589	18	B29-78	4-280	13
133X-78	351-600	16	B30-78	4-128	5
137X-78	500-809	17	P1-78	1-392	15
138EX-78	1500-1580	5	R1-78	1-648	38
B1-78	8-397	11	R2-78	100-809	45
B2-78	1-103(HR),	3	R2A-78	100-405	18
	103-144	1	R2B-78	100-162	6
B2A-78	1-110(HR)	2	R3-78	500-770	16
B3-78HR	1-132(HR)	2	R4-78	1-373	7
B3-78	1000-1216	8	R5-78	500-734	14
B4-78	1-124(HR)	2	R6-78	106-380,	59
B5-78	1-246(HR)	4		381-1118	17
	301-381	2	R7-78	100-385	8
B6-78HR	1-80(HR)	2	U1-78	1-107	7
B6A-78	1-54(HR)	1	U2-78	1-94	9
B7-78	1-101(HR)	2	U3-78	1-127	12
B8-78HR	100-202(HR)	2	U4-78	1-196	8
B8-78	1000-1216	8	U5-78	1-118	5
B9-78	1-138(HR)	3	U6-78	1-94	6
B10-78	1-192(HR)	3	U7-78	1-50	2
B10A-78	101-164(HR)	1	U8-78	63-278	15
B11-78	1-305(HR)	18	U9-78	1-91	6
	426-705		U10-78		24
			46XS-79	802-2000	

CDP SEISMIC REFLECTION LINE NUMBERS, SHOT POINTS, AND NUMBER OF TAPES, 1972-81  
(CONT.)

Line Number	Shot-Point Range	No. of Field Tapes	Line Number	Shot-Point Range	No. of Field Tapes
47XS-79	372-1242	21	655-79	1-56	2
51XS-79	1004-1901	8	657-79	1-79	2
64XS-79	752-1508	7	658-79	1-38	1
75XW-79	1-110	3	659-79	1-67	2
75XWS-79	1-94	3	659W-79	1-152	3
601-79	1-302	7	660-79	1-49	1
602-79	1-161	5	661-79	1-71	2
603-79	1-291	18	663-79	1-83	2
604-79	1-137	3	664-79	1-106	3
605-79	100-520	23	665-79	1-136	3
606-79	1-148	3	666-79	1-91	2
607-79	1-220	14	667-79	1-148	4
608-79	1-124	3	668-79	1-67	2
609-79	1-518	29	669-79	1-63	2
610-79	1-189	5	670-79	1-81	2
611-79	622-3192	41	671-79	1-236	5
612-79	1-203	5	672-79	1-133	4
613-79	1288-2296	9	673-79	100-676	6
614-79	2-121	3	674-79	1-148	4
615-79	100-2058	45	676-79	1-75	2
616-79	1-236	5	678-79	1-61	2
618-79	1-224	5	680-79	1-112	3
618N-79	1-67	2	682-79	1-173	5
620-79	1-64	2	684-79	1-109	3
622-79	1-220	5	D7XN-79	101-194	3
624-79	1-57	2	D9XN-79	1-89	2
626-79	1-93	2	R1X-79	1252-1650	4
626N-79	1-41	1	R1XS-79	700-1276	5
628-79	1-168	4	R3XN-79	254-500	13
628N-79	1-103	3	R3XS-79	800-1280	5
630-79	399-686	18	R5XN-79	350-491	8
632-79	260-504	13	R6XW-79	400-2030	31
634-79	664-1192	11	R7XN-79	410-650	13
636-79	861-1594	14	R7XS-79	210-800	6
638-79	557-1674	12	D1XE-80	1-44	2
640-79	100-1322	16	D5XW-80	1-176	5
651-79	1-63	2	26XW-80	1-51	2
652-79	1-62	2	134XW-80	1-83	3
653-79	1-52	2	701-80	1-91	3
654-79	1-49	2	702-80	1-59	2

CDP SEISMIC REFLECTION LINE NUMBERS, SHOT POINTS, AND NUMBER OF TAPES, 1972-81  
(CONT.)

Line Number	Shot-Point Range	No. of Field Tapes	Line Number	Shot-Point Range	No. of Field Tapes
703-80	1-125	3	762-80	1-235	14
704-80	1-65	2	764-80	504-733	11
705-80	1-105	3	766-80	504-745	12
706-80	1-75	2	12-81	100-791	29
707-80	100-201	5	16-81	282-991	30
708-80	1-73	2	18-81	100-769	28
709-80	100-183	5	22-81	212-728	22
710-80	1-101	3	27-81	100-675	22
711-80	100-261	9	28-81	100-757	28
712-80	1-53	2	31-81	1-155	4
713-80	100-161	5	33-81	100-523	17
715-80	100-280	10	34-81	100-662	22
717-80	100-232	8	37-81	103-659	23
719-80	100-253	10	39-81	100-376	16
720-80	135-216	7	41-81	100-221	5
722-80	100-207	7	A-81	100-499	17
723-80	100-370	16	B-81	100-386	12
724-80	100-245	9	C-81	100-424	13
725-80	1-367	26	D-81	100-325	9
726-80	101-257	9			
727-80	100-389	16			
728-80	100-193	5			
729-80	100-304	13			
731-80	94-391	14			
732-80	100-198	7			
733-80	100-261	9			
734-80	100-241	9			
735-80	100-285	11			
736-80	100-220	9			
737-80	100-276	10			
741-80	100-272	10			
742-80	100-256	9			
743-80	500-630	8			
744-80	100-256	9			
745-80	34-274	18			
746-80	100-242	8			
750-80	100-196	5			
752-80	100-202	5			
756-80	102-202	6			
758-80	100-197	6			
760-80	100-236	8			

## Processed Field Tapes

Data Set Name: Processed Field Tapes, 1972-81

Data Set No.: TGX-0061

Survey Date: 1972-81

Coverage: NPRA region

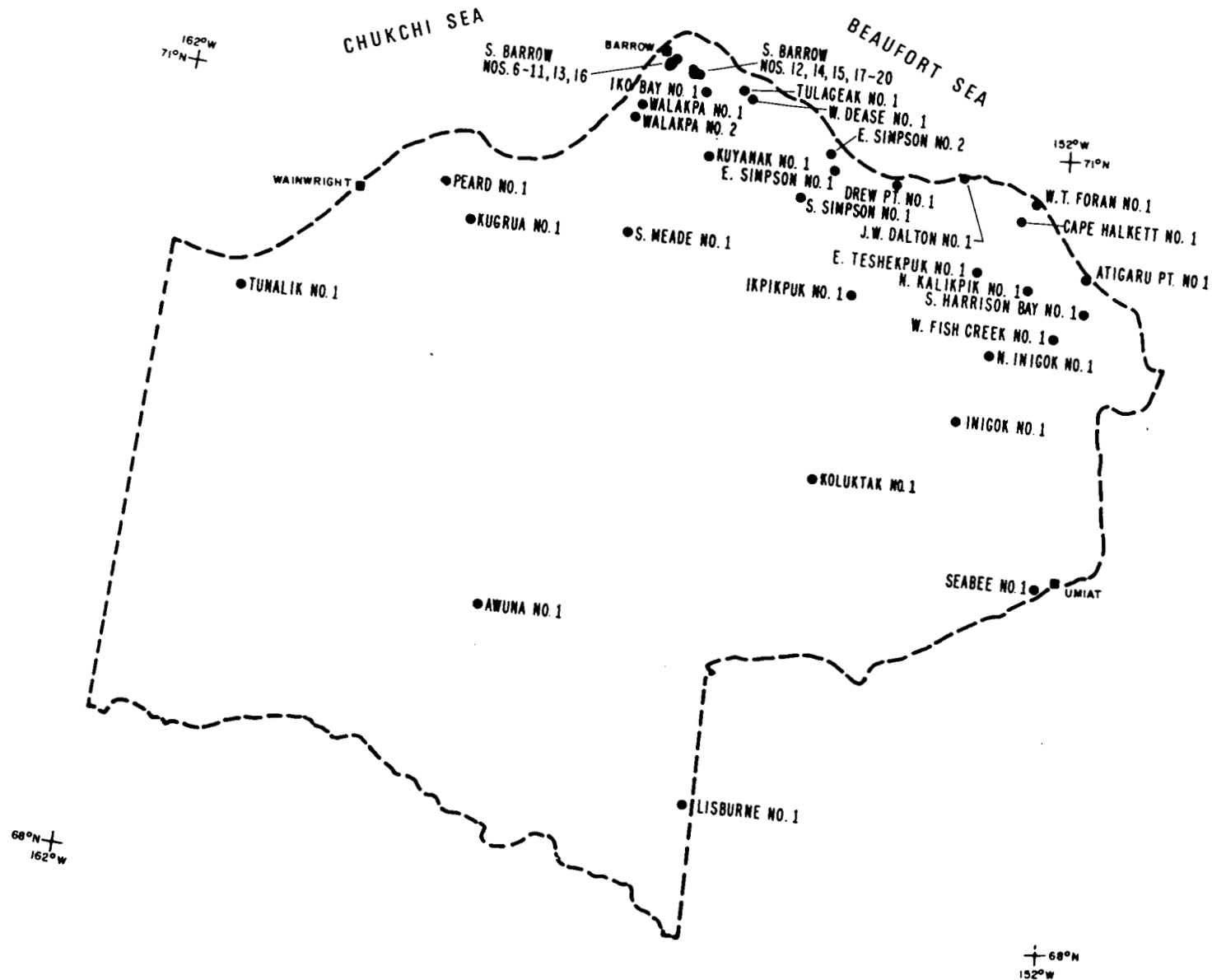
Data Provided:

Item No.

TGX-0061-MT	Processed field data on magnetic tape (SEG-Y format). Order by year, line number, and shot-point interval (about 1,000 tapes).
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Ordering Information: For assistance in ordering seismic tapes, call (303) 497-6120 (FTS 320-6120). Cost estimates will be furnished on request. Orders for more than 10 lines should be detailed in writing.

Note: Processed seismic data types prior to 1975 are not generally available. Data for 1975-80 are in a variety of stages of processing (e.g. out-out stacked, final stack), and have poor supporting documentation. Availability of these data are spotty. The 1981 processed field data (out-out stack) are readily available.



Well location plot for NPRA well data (p. 41-68).

## **Well Data**

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## Well Logs

Data Set Name: Well Logs, 1955-77 (1978-R)

Data Set No.: TGY-0010

### Principal Facts:

Date drilled: 1955-77

### Well names:

Atigaru Pt. #1	Iko Bay #1	S. Simpson #1
Cape Halkett #1	S. Barrow #6-14	W. Fish Creek #1
E. Teshekpuk #1	S. Harrison Bay #1	W. T. Foran #1

### Data Provided:

#### Item No.

TGY-0010-BL 207 well logs on blackline paper, or

TGY-0010-SE Data above on sepia paper, or

TGY-0010-PL Data above on sepia plastic.

Included with above data are drilling histories (35-mm microfilm, 4 reels).

### Optional Data:

TGY-0011-MF All of the above well logs (16-mm microfilm, 2 reels) and drilling histories (35-mm microfilm, 4 reels)

TGY-0012-MF\* Drilling histories (35-mm microfilm, 4 reels)

---

\*Included with main data set.

Data Set Name: Well Logs, 1977-78 (1979-U)

Data Set No.: TGY-0020

Principal Facts:

Date drilled: 1977-78

Well names:

Drew Pt. #1  
Kugrua #1

N. Kalikpik #1  
S. Barrow #16

S. Barrow #17  
S. Barrow #19

Data Provided:

Item No.

TGY-0020-BL 87 well logs on blackline paper, or

TGY-0020-SE Data above on sepia paper, or

TGY-0020-PL Data above on sepia plastic.

Included with above data are drilling histories (16-mm microfilm).

Optional Data:

TGY-0021-MF All of the above well logs (16-mm microfilm, 1 reel) and  
drilling histories (16-mm microfilm, 1 reel)

TGY-0022-MF\* Drilling histories (16-mm microfilm, 1 reel)

---

\*Included with main data set.



Data Set Name: Well Logs, 1978-79 (1980 SE-J)

Data Set No.: TGY-0040

Principal Facts:

Date drilled: 1978-79

Well names:

E. Simpson #1  
Inigok #1

J. W. Dalton #1  
Peard #1

S. Meade #1

Data Provided:

Item No.

TGY-0040-BL 92 well logs on blackline paper, or

TGY-0040-SE Data above on sepia paper, or

TGY-0040-PL Data above on sepia plastic.

Included with above data are drilling histories (16-mm microfilm).

Optional Data:

TGY-0041-MF All of the above well logs (16-mm microfilm, 2 reels) and  
auxiliary information (16-mm microfilm, 1 reel)

TGY-0042-MF\* Drilling histories (16-mm microfilm, 1 reel)

---

\*Included with main data set.

Data Set Name: Well Logs, 1979-80 (1981 SE-E)

Data Set No.: TGY-0080

Principal Facts:

Date drilled: 1979-80

Well names:

E. Simpson #2	S. Barrow #18	Tunalik #1
Ikpikpuk #1	S. Barrow #20	Walakpa #1
Lisburne #1	Seabee #1	W. Dease #1
S. Barrow #15		

Data Provided:

Item No.

TGY-0080-BL 201 well logs on blackline paper, or

TGY-0080-SE Data above on sepia paper, or

TGY-0080-PL Data above on sepia plastic.

Included with above data is auxiliary information (16-mm microfilm, 1 reel)

Optional Data:

TGY-0081-MF All of the above well logs (35-mm microfilm, 6 reels)

TGY-0082-MF\* Auxiliary information (16-mm microfilm, 1 reel)

---

\*Included with main data set.

Data Set Name: Well Logs, 1981 (81-TGB-25)

Data Set No.: TGY-0110

Principal Facts:

Date drilled: 1981

Well names:

Awuna #1

Kuyanak #1

Tulageak #1

Koluktak #1

N. Inigok #1

Walakpa #2

Refer to page 67 for location map and coordinates.

Data Provided:

Item No.

TGY-0110-BL 138 well logs and auxiliary data on blackline paper; or

TGY-0110-SE Data above on sepia paper; or

TGY-0110-PL Data above on sepia plastic.

Included with above data are core analyses (also includes analyses for Kugrua #1, S. Barrow #15, Seabee #1, S. Harrison Bay #1, S. Meade #1, S. Simpson #1, and W. Dease #1), velocity check-shot surveys (not available for Kuyanak and Tulageak), and auxiliary information (35-mm microfilm). Digital data for these wells are also available (p. 66).

Optional Data:

TGY-0111-MF Auxiliary information (2 reels, 35-mm microfilm)

TGY-0113-MF All charts (2 reels, 35-mm microfilm)

TGY-0114-BL\* Velocity check-shot surveys only on blackline paper; or

TGY-0114-SE\* Data above on sepia paper; or

TGY-0114-PL\* Data above on sepia plastic.

TGY-0120 Palynology/micropaleontology data for above wells. See page 63.

TGY-0116-BL Well location map NPRA and adjacent areas--44 wells (1:500,000) and Summary of Exploration Drilling (7 p.) on blackline; or

TGY-0116-SE Data above on sepia paper; or

TGY-0116-PL Data above on sepia plastic.

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\*Included with main data set.

Data Set Name: Composite Lithology Logs - 12 Wells (83-TGB-09)

Data Set No.: TGY-0110A and TGY-0080A

Principal Facts:

Composite lithology for 2 wells: Awuna #1 and Koluktak #1.

Composite lithology for 10 wells:

Well names:

E. Simpson #2	S. Barrow #15,#18,#20	Walakpa #1
Ikpikpuk #1	Seabee #1	W. Dease #1
Lisburne #1	Tunalik #1	

Data Provided:

Item No.

TGY-0110A-BL	Composite lithology logs for 2 wells on blackline paper; <u>or</u>
TGY-0110A-SE	Data above on sepia paper; <u>or</u>
TGY-0110A-PL	Data above on sepia plastic.
TGY-0080A-BL	Composite lithology logs for 10 wells on blackline paper; <u>or</u>
TGY-0080A-SE	Data above on sepia paper; <u>or</u>
TGY-0080A-PL	Data above on sepia plastic.

Data Set Name: Gamma Ray Logs of Well Cores (83-TGB-09)

Data Set No.: TGY-0140

Principal Facts:

Gamma ray logs of well cores for the following NPRA wells; some wells have more than one core:

Well names:

E. Simpson #2, Core 3  
J.W. Dalton #1, Core 5  
N. Kalikpik #1, Cores 5, 10  
S. Barrow #9, Core 6  
S. Barrow #15, Core 3  
S. Barrow #18, Cores 1, 2, 3

S. Barrow #19, Core 1  
Tunalik #1, Core 8  
W. Dease #1, Core 4  
W.T. Foran #1, Core 1  
Walakpa #1, Cores 5, 6

Data Provided:

Item No.

TGY-0140-BL	11 gamma ray logs on blackline paper; <u>or</u>
TGY-0140-SE	Data above on sepia paper; <u>or</u>
TGY-0140-PL	Data above on sepia plastic.

Data Set Name: NPRA Composite Lithology Logs for 30 Wells (84-TGB-01)

Data Set No.: TGY-0310

Principal Facts:

The following 30 wells were drilled by various contractors under the direction of the USGS to provide necessary data for the evaluation of petroleum reserves in the NPRA. NGDC has available composite lithology logs for each of these wells:

Well names:

Atigaru Point #1	Kugrua #1	S. Barrow #20
Awuna #1	Lisburne #1	Seabee #1
Drew Point #1	N. Kalikpik #1	S. Harrison Bay #1
E. Simpson #1	S. Barrow #13	S. Meade #1
E. Simpson #2	S. Barrow #14	S. Simpson #1
E. Teshekpuk #1	S. Barrow #15	Tunalik #1
Ikpikpuk #1	S. Barrow #16	Walakpa #1
Inigok #1	S. Barrow #17	W. Dease #1
J.W. Dalton #1	S. Barrow #18	W. Fish Creek #1
Koluktak #1	S. Barrow #19	W.T. Foran #1

Data Provided:

Item No.

TGY-0310-BL	30 well logs on blackline paper; <u>or</u>
TGY-0310-SE	Data above on sepia data; <u>or</u>
TGY-0310-PL	Data above on sepia plastic.

Data Set Name: Well Completion File (81-TGB-25)

Data Set No.: TGY-0160

Principal Facts: Well completion reports for 27 wells:

Well names:

Awuna #1	Kugrua #1	Seabee #1
Drew Point #1	Kuyanak #1	S. Meade #1
E. Simpson #1,#2	Lisburne #1	Tulageak #1
Ikpikpuk #1	N. Inigok #1	Tunalik #1
Inigok #1	N. Kalikpik #1	Walakpa #1,#2
J. W. Dalton #1	Peard #1	W. Dease #1
Koluktak #1	S. Barrow #15,#16, #17,#18,#19,#20	

Data Provided:

Item No.

TGY-0160-PA Paper text of report (445 p.), or

TGY-0160-MF Same material on microfilm.

## Seismic Velocity Surveys

Data Set Name: Seismic Velocity Surveys for 9 Wells, 1977-79 (1980 SE-K)

Data Set No.: TGY-0050

### Principal Facts:

Survey date: 1977-79

Seismic velocity survey and log calibration reports along with calibrated velocity logs are available for 9 wells.

### Well names:

Drew Pt. #1	J.W. Dalton #1	S. Barrow #16
E. Simpson #1	Kugrua #1	S. Barrow #17
Inigok #1	Peard #1	S. Barrow #19

Additional data are available for the following wells:

### Drew Point No. 1 and Kugrua No. 1

Four geograms are offered for each of these wells including one each of the following: 25- and 30-Hz reversed polarity; 25- and 30-Hz normal polarity.

### J.W. Dalton No. 1

Two integrated velocity logs and two synthetic seismograms are available for this well. The velocity logs consist of one RMS log and one average velocity log. The seismograms consist of one full scale (5 in. = 1 sec) and one half scale (2½ in. = 1 sec).

### Data Provided:

#### Item No.

TGY-0050-BL	27 geograms (synthetic seismograms), and calibrated velocity logs on blackline paper; <u>or</u>
TGY-0050-SE	Data above on sepia paper; <u>or</u>
TGY-0050-PL	Data above on sepia plastic.

Included with above data are seismic velocity survey reports and log calibration reports (paper copy - 9 reports).

### Optional Data:

TGY-0051-MF	All of the above logs and reports on 35-mm microfilm (1 reel)
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Data Set Name: Seismic Velocity Surveys for 7 wells, 1979-80 (1980 SE-EE)

Data Set No.: TGY-0070

Principal Facts:

Survey date: 1979-80

Well names:

E. Simpson #2  
Ikpikpuk #1  
N. Kalikpik #1

S. Meade #1  
Tunalik #1

Walakpa #1  
W. Dease #1

Data Provided:

Item No.

TGY-0070-BL 13 velocity logs on blackline paper; or

TGY-0070-SE Data above on sepia paper; or

TGY-0070-PL Data above on sepia plastic.

Included with above data are seismic velocity survey reports and log calibration reports (paper copy--7 reports).

Optional Data:

TGY-0071-MF All logs and reports on 35-mm microfilm (1 reel)

Data Set Name: Velocity Check Shot Surveys for 7 Wells (83-TGB-09)

Data Set No.: TGY-0270

Principal Facts:

Includes velocity logs and velocity depth plots for the seven wells listed below. All wells except Iko Bay and Cape Halkett have a related text. Texts include such information as operation statistics, field procedure, velocity calculation sheets, deviation plots, etc.

Well Names:

Atigaru Pt. #1	S. Harrison Bay #1	W. Fish Creek #1
Cape Halkett #1	S. Simpson #1	W.T. Foran #1
Iko Bay #1		

Data Provided:

Item No.

TGY-0270-BL	7 well logs on blackline paper; <u>or</u>
TGY-0270-SE	Logs above on sepia paper; <u>or</u>
TGY-0270-PL	Logs above on sepia plastic.

Included with above data are seismic velocity survey and velocity log calibration reports for all wells except Iko Bay and Cape Halkett (paper copy--5 reports).

## Synthetic Seismograms

Data Set Name: Synthetic Seismograms (81-TGB-21; 83-TGB-09)

Data Set No.: TGY-0090

### Principal Facts:

Each well, except Awuna, N. Inigok, Kaolak, Tulageak, and Walakpa #2, has three analyses: 1) standard, 30-Hz Ricker filter; 2) filter panels using 20-, 25-, 30-, and 35-Hz Ricker filters--scale 2.5 in./sec; and 3) plot of velocity, with 5 auxiliary curves.

### Well names:

Atigaru Pt. #1	Koluktak #1	Seabee #1
Awuna #1	Kugrua #1	S. Harrison Bay #1
Cape Halkett #1	Kuyanak #1	S. Meade #1
Drew Pt. #1	Lisburne #1	S. Simpson #1
E. Simpson #1	N. Inigok #1	Tulageak #1
E. Simpson #2	N. Kalikpik #1	Tunalik #1
E. Teshekpuk #1	Peard #1	Walakpa #1
Iko Bay #1	S. Barrow #9	Walakpa #2
Ikpikpuk #1	S. Barrow #13	W. Dease #1
Inigok #1	S. Barrow #16	W. Fish Creek #1
J.W. Dalton #1	S. Barrow #17	W.T. Foran #1
Kaolak #1	S. Barrow #19	

### Data Provided:

<u>Item No.</u>	
TGY-0090-BL	143 synthetic seismograms including 28 time-depth plots on blackline paper; <u>or</u>
TGY-0090-SE	Data above on sepia paper; <u>or</u>
TGY-0090-PL	Data above on sepia plastic.

### Optional Data:

TGY-0091-MF	Seismograms and time-depth plots on 35-mm microfilm (1 reel)
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## Well Core Analyses

Data Set Name: Well Core Analyses, 1970-79 (1981 SE-E)

Data Set No.: TGY-0085

### Principal Facts:

Date drilled: 1970-79

### Well names:

Atigaru Pt. #1	J.W. Dalton #1	S. Barrow #13
Drew Pt. #1	Peard #1	S. Barrow #14
E. Simpson #1	S. Barrow #9	S. Barrow #17
Iko Bay #1	S. Barrow #11	S. Barrow #19
Inigok #1	S. Barrow #12	W.T. Foran #1

### Data Provided:

#### Item No.

TGY-0085-PA      Core analyses (54 p.; paper copy)

NOTE: Core analyses for additional wells are included with Data Set TGY-0110 (see p. 46).

Data Set Name: Geochemical Data - Phase I (82-TGB-05)

Data Set No.: TGY-0150

Principal Facts:

These data comprise Phase I of geochemical analysis of well cores for 27 wells. Types of analysis include:

1. API well number
2. Depth record with contractor and laboratory code
3. Sample preparation (R20)
4. C<sub>1</sub> - C<sub>7</sub> headspace gas (R27)
5. C<sub>1</sub> - C<sub>7</sub> blended gas (R22)
6. C<sub>4</sub> - C<sub>8</sub> gasoline range, rock (R23)
7. TEA-FID (R26)--(Thermal Evolution Analysis - Flame Ionization Detector)
8. Organic carbon, rock (R27)
9. Total carbon, rock (R28)
10. C<sub>15</sub> + bitumen, rock (R29)
11. C<sub>15</sub> + hydrocarbon and non-hydrocarbon fractions, rock (R30)
12. C<sub>15</sub> + saturated hydrocarbon, rock (R31)
13. Thin section (R32)
14. Vitrinite reflection (R33)
15. Visual kerogen (R34)
16. TAI (R35)--(Thermal Alteration Index)
17. Elemental analysis of kerogen (R36, R37)
18. Delta 34S, ‰, Delta 15N of C<sub>15</sub> + asphaltic fraction (R38)
19. Delta 13C of C<sub>15</sub> + hydrocarbon fraction (R39)
20. Delta 13C of CH<sub>4</sub> headspace gas (R40)

Phase I wells:

Avak #1	Kugrua #1	Titaluk #1
E. Oumalik #1	N. Kalikpik #1	Topagoruk #1
E. Simpson #1	Oumalik #1	Umiat #2, 11
E. Topagoruk #1	S. Barrow #1,2,	Walakpa #1
Grandstand #1	3,4,9,14,16	W. Dease #1
Inigok #1	Seabee #1	Wolf Creek #1
Knifeblade #1,2A	Square Lake #1	

Data Provided:

Item No.

TGY-0150-PA	Computer printout (paper copy, 400 p.); <u>or</u>
TGY-0150-MF	Above data on 16-mm microfilm (1 reel).

Data Set Name: Geochemical Data - Phase II (82-TGB-05)

Data Set No.: TGY-0170

Principal Facts:

These data comprise Phase II of geochemical analysis of well cores for 36 wells. Types of analysis include:

1. API well number
2. Depth record with contractor and laboratory code
3. Sample preparation (R20)
4. C<sub>1</sub> - C<sub>7</sub> headspace gas (R27)
5. C<sub>1</sub> - C<sub>7</sub> blended gas (R22)
6. C<sub>4</sub> - C<sub>8</sub> gasoline range, rock (R23)
7. TEA-FID (R26)--(Thermal Evolution Analysis - Flame Ionization Detector)
8. Organic carbon, rock (R27)
9. Total carbon, rock (R28)
10. C<sub>15</sub> + bitumen, rock (R29)
11. C<sub>15</sub> + hydrocarbon and non-hydrocarbon fractions, rock (R30)
12. C<sub>15</sub> + saturated hydrocarbon, rock (R31)
13. Thin section (R32)
14. Vitrinite reflection (R33)
15. Visual kerogen (R34)
16. TAI (R35)--(Thermal Alteration Index)
17. Elemental analysis of kerogen (R36, R37)
18. Delta 34S, ‰, Delta 15N of C<sub>15</sub> + asphaltic fraction (R38)
19. Delta 13C of C<sub>15</sub> + hydrocarbon fraction (R39)
20. Delta 13C of CH<sub>4</sub> headspace gas (R40)

Phase II wells:

Atigaru Pt. #1	Koluktak #1	Simpson #1
Awuna #1	Kuyanak #1	S. Meade #1
Cape Halkett #1	Lisburne #1	S. Simpson #1
Drew Point #1	Meade #1	Tulageak #1
E. Simpson #2	N. Inigok #1	Tunalik #1
Fish Creek #1	N. Simpson #1	Umiat #1
Gubik #1, 2	Peard #1	W. Fish Creek #1
Ikpikpuk #1	S. Barrow #12,13,15,	Walakpa #2
J.W. Dalton #1	17,18,19,20	Wolf Creek #3
Kaolik #1	S. Harrison Bay #1	W.T. Foran #1

Data Provided:

Item No.

TGY-0170-PA	Computer printout (paper copy, 665 p.); <u>or</u>
TGY-0171-MF	Above data on 16-mm microfilm (1 reel).

Data Set Name: Geochemistry Data; NPRA Wells - Phase III (83-TGB-03)

Data Set No.: TGY-0210

Principal Facts:

These data comprise Phase III of the geochemistry data. Phase III adds five new wells and completely replaces data released as Phase I and Phase II. Types of analysis include:

1. API well number
2. Depth record with contractor and laboratory code
3. Sample preparation (R20)
4. C<sub>1</sub> - C<sub>7</sub> headspace gas (R27)
5. C<sub>1</sub> - C<sub>7</sub> blended gas (R22)
6. C<sub>4</sub> - C<sub>8</sub> gasoline range, rock (R23)
7. TEA-FID (R26)-(Thermal Evolution Analysis - Flame Ionization Detector)
8. Organic carbon, rock (R27)
9. Total carbon, rock (R28)
10. C<sub>15</sub> + bitumen, rock (R29)
11. C<sub>15</sub> + hydrocarbon and non-hydrocarbon fractions, rock (R30)
12. C<sub>15</sub> + saturated hydrocarbon, rock (R31)
13. Thin section (R32)
14. Vitrinite reflection (R33)
15. Visual kerogen (R34)
16. TAI (R35)--(Thermal Alteration Index)
17. Elemental analysis of kerogen (R36, R37)
18. Delta 34S, ‰, Delta 15N of C<sub>15</sub> + asphaltic fraction (R38)
19. Delta 13C of C<sub>15</sub> + hydrocarbon fraction (R39)
20. Delta 13C of CH<sub>4</sub> headspace gas (R40)
21. Delta 13C of CH<sub>4</sub> headspace gas (R40)

Included are data on five new wells, all located east of the Colville River, beyond the boundary of the NPRA:

Aufeis Unit 1  
Fin Creek Unit 1

Itkillik River Unit 1

Kemik Unit 1  
Lupine Unit 1

and, geochemistry analyses for the 63 Phase I and Phase II wells. Refer to page 56 and 57 for a listing of these wells.

Data Provided:

Item No.

TGY-0210-PA      Computer printout (paper copy; 1,093 p.); or  
TGY-0211-MF      Above data on 16-mm microfilm (1 reel).

Data Set Name: Porosity and Permeability Analyses for 6 Wells (83-TGB-09)

Data Set No.: TGY-0290

Principal Facts:

This data set includes tables of data (25 p.) from the following wells:

<u>Well names</u>	<u>Interval</u>
E. Simpson #2	2,387' - 7,277' (with misc. sidewall core analyses)
Ikpikpuk #2	7,135' - 7,142', 7,466' 10,619' - 10,841', 12,994'
S. Barrow #18	1,990' - 2,085'
S. Barrow #20	2,247' - 2,313'
Tunalik #1	5,558' - 5,561'
Walakpa #1	2,062' - 3,096'

Data Provided:

<u>Item No.</u>	
TGY-0290-PA	<u>Porosity and Permeability</u> , paper text



Data Set Name: Split Well Cores on Slides (83-TGB-09)

Data Set No.: TGY-0240

Principal Facts:

Color slides (35-mm) of split cores from 25 wells. There are 478 slides total, plus a 29-page catalog listing intervals and formations cored. Slides may be ordered by individual well.

Data Provided:

Item No.

TGY-0240 35-mm color slides. Order by set or by individual well:

<u>Well Name</u>	<u>No. Slides</u>	<u>Min. &amp; Max. Slide Interval (feet)</u>
Awuna #1	8	2,447 - 6,040
Drew Point #1	23	4,130 - 7,901
E. Simpson #1	16	2,674 - 7,738
E. Simpson #2	29	2,377 - 7,456.7
Ikpikpuk #1	24	2,930 - 15,467
Inigok #1	36	2,632 - 20,102
J.W. Dalton #1	38	3,503 - 9,365.8
Kugrua #1	4	7,197 - 11,033
Kuyanak #1	30	4,965 - 6,689.9
Lisburne #1	25	1,555 - 16,996.5
N. Inigok #1	8	4,022 - 10,170
N. Kalikpik #1	22	3,810 - 7,395
Peard #1	17	3,034 - 10,225
S. Barrow #16	1	2,395 - 2,398
S. Barrow #17	9	2,096 - 2,345
S. Barrow #18	16	1,350 - 2,086.4
S. Barrow #19	6	1,330 - 2,245
S. Barrow #20	7	2,247 - 2,314
Seabee #1	16	5,391 - 14,604
S. Meade #1	12	3,010 - 9,326
Tulageak #1	8	2,940 - 4,014
Tunalik #1	36	3,280 - 17,888
Walakpa #1	41	257 - 3,666
Walakpa #2	12	2,611 - 3,750
West Dease #1	34	600 - 4,151

## Palynology/Micropaleontology Reports

Data Set Name: Palynology/Micropaleontology Reports for 17 Wells (1980 SE-I)

Data Set No.: TGY-0030

### Principal Facts:

Palynology reports describe palynomorph assemblages of dinoflagellates, acritarchs, pollen, and spores; micropaleontology reports contain analyses of foraminifera, radiolaria, and other fossil, mineral, and rock fragments.

### Well names:

Cape Halkett #1	Kugrua #1	S. Barrow #2, 3,
Drew Pt. #1	N. Kalikpik #1	16, 17, 19
E. Simpson #1	Oumalik #1	Simpson #1
E. Teshekpuk #1	Peard #1	S. Meade #1,2
Inigok #1		Topagoruk #1

### Data Provided:

#### Item No.

TGY-0030-BL	46 species distribution charts on blackline paper, <u>or</u>
TGY-0030-SE	Above data on sepia paper, <u>or</u>
TGY-0030-PL	Above data on sepia plastic.

### Optional Data:

TGY-0031-MF	All species distribution charts and reports on 35-mm microfilm (1 reel)
TGY-0033-MF	Faunal logs on 35-mm microfilm (1 reel)

### Additional Data:

TGY-0032-MF	Reports (464 p.) on 16-mm microfilm (1 reel)
TGY-0034-PA	Paper copy of reports (464 p.)

These analysis reports are for 16 additional wells:

Atigaru #1	S. Barrow #13	Tunalik #1
E. Simpson #2	S. Barrow #14	Walakpa #1
Iko Bay #1	Seabee #1	W. Dease #1
Ikpikpuk #1	S. Harrison Bay #1	W. Fish Creek #1
J.W. Dalton #1	S. Simpson #1	W.T. Foran #1
Lisburne #1		

Data Set Name: Palynology/Micropaleontology Reports for 8 Wells (1980 SE-CC)

Data Set No.: TGY-0060

Principal Facts:

Palynology reports describe palynomorph assemblages of dinoflagellates, acritarchs, pollen, and spores; micropaleontology reports contain analyses of foraminifera, radiolaria, and other miscellaneous fossil, mineral, and rock fragments.

Well names:

E. Simpson #2  
Ikpikpuk #1  
J.W. Dalton #1

Lisburne #1  
Seabee #1  
Tunalik #1

Walakpa #1  
W. Dease #1

Data Provided:

Item No.

TGY-0060-BL 59 species distribution charts on blackline paper, or

TGY-0060-SE Above data on sepia paper, or

TGY-0060-PL Above data on sepia plastic.

Included with data above are 18 reports (150 p.; paper copy).

Optional Data:

TGY-0061-MF All charts and reports on 35-mm microfilm (1 reel)

Data Set Name: Palynology/Micropaleontology Reports for 6 Wells (81-TGB-25)

Data Set No.: TGY-0120

Principal Facts:

Palynology reports describe palynomorph assemblages of dinoflagellates, acritarchs, pollen, and spores; micropaleontology reports contain analyses of foraminifera, radiolaria, and other fossil, mineral, and rock fragments.

Well names:

Awuna #1  
Koluktak #1

Kuyanak #1  
N. Inigok #1

Tulageak #1  
Walakpa #2

Data Provided:

Item No.

TGY-0120-BL	All reports on blackline paper, <u>or</u>
TGY-0120-SE	Data above on sepia paper; <u>or</u>
TGY-0120-PL	Data above on sepia plastic (1 reel).

Optional Data:

TGY-0122-MF	All charts and texts on 35-mm microfilm (1 reel)
-------------	--

Data Set Name: NPRA Foraminifera and Palynomorph Reports From Shothole Samples From Eight Seismic Lines (83-TGB-07)

Data Set No.: TGY-0190

Principal Facts:

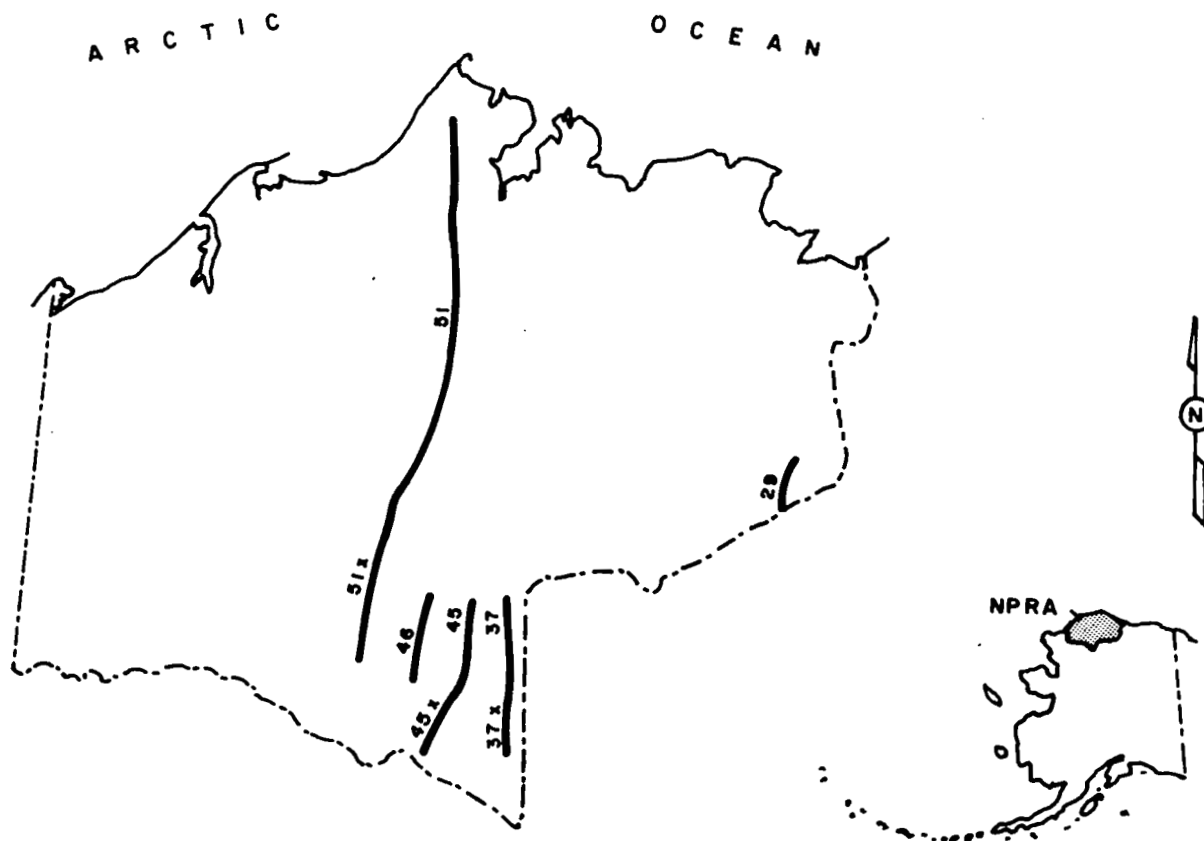
These data are from line nos. 29, 37, 37x, 45, 45x, 46, 51, and 51x, 1978. Reports were written for both foraminifera and palynomorph reports on all lines. A total of 16 reports were written by Anderson, Warren, and Associates, Inc., for the USGS. Also included is an open-file report titled Availability of Foraminifera and Palynomorph Reports from Shothole Samples of National Petroleum Reserve in Alaska, 1981, by H.A. Gibson and Arthur L. Bowsher.

Data Provided:

Item No.

TGY-0190-PA 1,300 p. text; paper copy; or

TGY-0190-MF Above mentioned data on 16-mm microfilm (1 reel).



Seismic line locations for foraminifera and palynomorph data (Data Set TGY-0190).

## Digitized Well Logs

Data Set Name: Digitized Well Logs, 1946-81 (81-TGB-23)

Data Set No.: TGY-0100

### Principal Facts:

Date drilled: 1946-53; 1974-81

Well names:

#### LISLOG Format

##### Barrow Tape 1

S. Barrow #11  
(part 1), #13, #14, #16  
#17, #19, #20

##### Tunalik Tape 2

Kugrua #1  
Peard #1  
S. Meade #1  
Tunalik #1  
Walakpa #1

##### Simpson Tape 3

Drew Pt. #1  
E. Simpson #1-2  
S. Simpson #1  
W. Dease #1

##### Northeast NPRA Tape 4

Atigaru Pt. #1  
E. Teshekpuk #1  
N. Kalikpik #1  
S. Harrison Bay #1

W. Fish Creek #1  
W.T. Foran #1

##### E. Central NPRA Tape 5

Ikpikpuk #1  
Inigok #1  
Lisburne #1  
Seabee #1

#### DATOUT Tape 1

Amoco Aufeis #1\*  
Avak #1  
Cape Halkett #1  
E. Oumalik #1  
E. Topagoruk #1

Fin Creek #1\*  
Fish Creek #1  
Forest Lupine #1\*  
Grandstand #1\*  
Gubik #1\*, #2\*

Iko Bay #1  
Kaolak #1  
Kemik Unit #1\*  
Knifeblade #2A  
Meade #1

S. Barrow #1-4,  
#6-10, #11 (part 2),  
#12

#### DATOUT Tape 2

N. Simpson #1  
Oumalik #1  
Simpson #1

Square Lake #1  
Titaluk #1  
Topagoruk #1

Umiat #1-4  
Umiat #7

Umiat #11  
Wolfcreek #1-3

#### DRESSER Tape 3

J.W. Dalton #1

### Data Provided:

#### Item No.

TGY-0101-MT 27 digitized well logs in Schlumberger LISLOG format (5 mag. tapes)  
TGY-0102-MT 41 digitized well logs in DATOUT format (2 magnetic tapes)  
TGY-0103-MT 1 digitized well log in DRESSER format (1 magnetic tape)

---

\*Outside NPRA region.

Data Set Name: Digitized Logs From Six Wells Drilled in 1981 (83-TGB-04)

Data Set No.: TGY-0105

Principal Facts:

These data were obtained during the January-April FY1981 drilling program. They are available in the Schlumberger LISLOG FORMAT. All data from six wells are available on two magnetic tapes with documentation. Well data include:

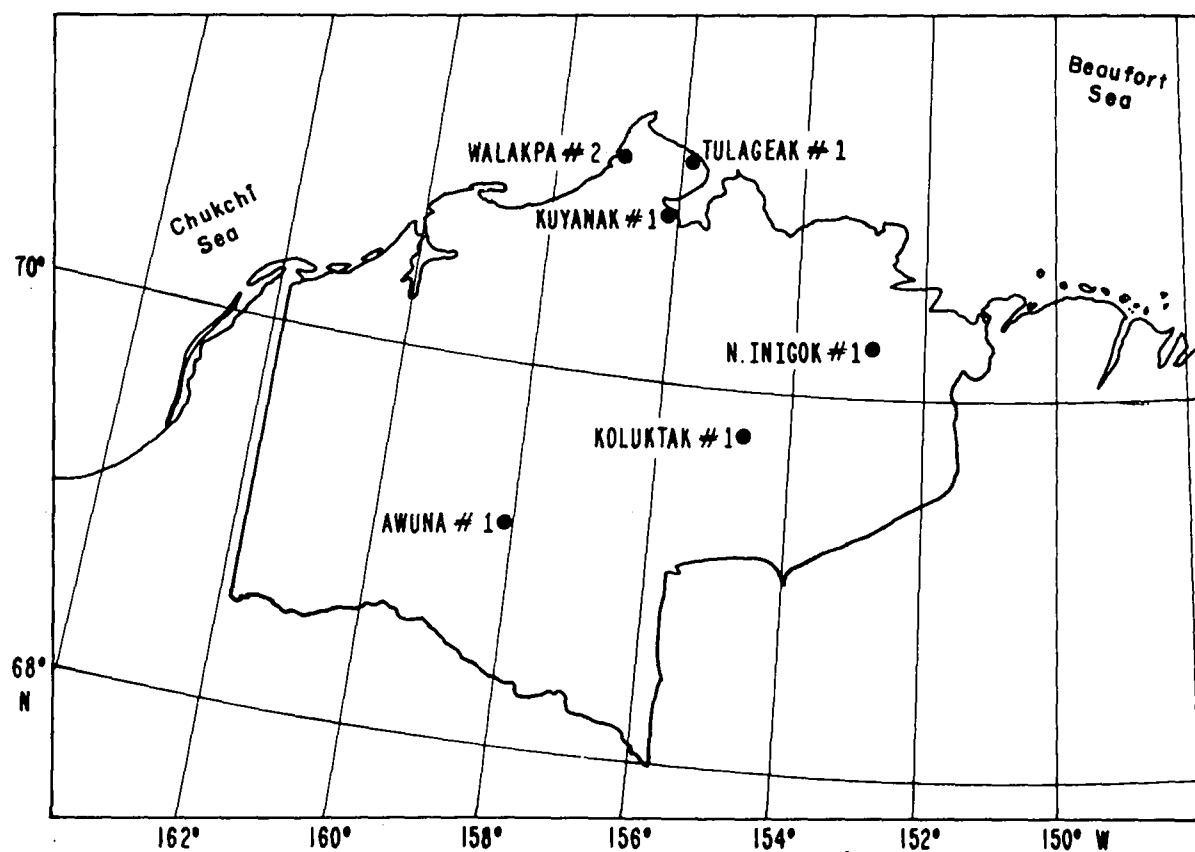
<u>Well name</u>	<u>Date</u>	<u>Tape No.</u>	<u>Run No.</u>	<u>Depth Interval</u>
Awuna #1	16 Apr 81	W03424	1,2,3,4,5	95'-11,205'
Koluktak #1	1 Apr 81	W03424	1,2	10'- 5,878'
Kuyanak #1	26 Feb 81	W03424	1	1,480'- 4,750'
Kuyanak #1	26 Feb 81	W03424	2	1,480'- 4,750'
Kuyanak #1	15 Feb 81	W03424	1,2,3	63.5'- 6,698'
North Inigok #1	10 Mar 81	W03425	2	2,550'- 8,500'
North Inigok #1	29 Mar 81	W03425	1,2,3	107'-10,167'
Tulageak #1	20 Mar 21	W03425	1,2	15'- 40'
Walakpa #2	10 Jan 81	W03425	1	0'- 4,730'
Walakpa #2	2 Feb 81	W03425	2	2,290'- 4,370'

For analog data refer to page 46.

Item No.

TGY-0105-MT1      Tape W03424

TGY-0105-MT2      Tape W03425



NPRA well locations drilled in 1981 (Data Sets TGY-0105 and TGY-0110).

<u>Wells Drilled--1981</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Township and Range</u>
Awuna #1	69° 09'11.58"N	158° 01'21.27"W	SE1/4 Sec 30, T35, R25W
Koluktak #1	69° 45'08.62"N	154° 36'40.12"W	SW1/4 Sec 27, T5N, R11W
Kuyanak #1	70° 55'53.48"N	156° 03'53.08"W	NW1/4 Sec 10, T18N, R16
N. Inigok #1	70° 15'53.48"N	152° 45'57.53"W	SE1/4 Sec 36, T11N, R4W
Tulageak #1	70° 11'21.62"N	155° 44'00.82"W	NW1/4 Sec 7, T21N, R14W
Walakpa #2	71° 03'00.44"N	156° 57'09.70"W	NE1/4 Sec 31, T20N, R19



Data Set Name: Dipmeter Tapes in LISLOG format for 5 NPRA Wells (83-TGB-09)

Data Set No.: TGY-0200

Principal Facts:

Dipmeter tapes in LISLOG format for 5 NPRA wells:

Atigaru #1	E. Simpson #1,#2
Drew Pt. #1	W.T. Foran #1

Data Provided:

Item No.

TGY-0200-MT	Magnetic tapes of data.
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## **Other Data**

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## Gravity Data

Data Set Name: Gravity Data, 1974-80 (1980 SE-NN)

Data Set No.: TGR-0010

### Principal Facts:

Survey date: 1974-80

Report title: Regional Gravity Survey of the NPRA

Description: The report, which contains 13 figures and 10 tables, reviews the magnetic tape format, survey characteristics, reduction and editing procedures, and regional gravity interpretations.

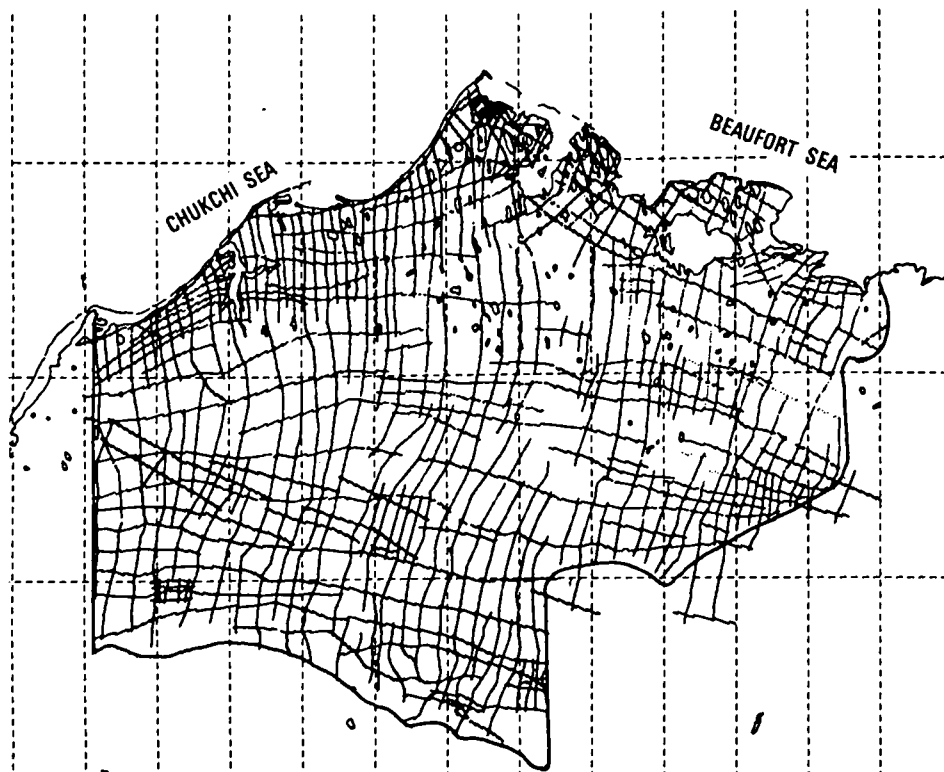
### Data Provided:

#### Item No.

TGR-0010-MT Nonterrain-corrected free-air and Bouguer gravity data from more than 53,000 gravity stations on magnetic tape; paper text of report (36 p.).

### Optional Data:

TGR-0011-MF Gravity data on 35-mm microfilm  
TGR-0012-PA Regional Gravity Survey Data Report (36 p.; paper copy).



Land gravity distribution plot (Data Set TGR-0010).

Data Set Name: Gravity Base Stations, Principal Facts File (83-TGB-07)

Data Set No.: TGR-0230A

Principal Facts:

Part of the Final Gravity and Magnetism Report, NPRA. These data include approximately 860 records containing the Principal Facts File on 430 gravity base stations (1974-80). This file contains geodetic and gravimetric facts.

Item No.

TGR-0230A-MT      Data on magnetic tape.

Data Set Name: NPRA Gravity and Magnetic Investigations - Final Report  
(83-TGB-05)

Data Set No.: TGR-0230

Principal Facts:

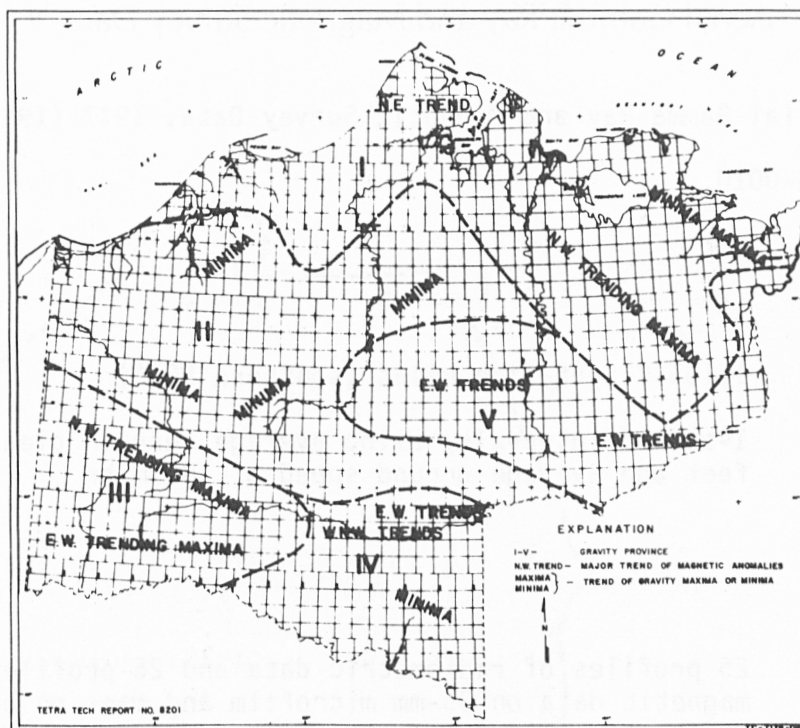
These data and reports are the comprehensive summary and interpretation of results of the entire NPRA exploration program in gravity and magnetics from 1974 through September 1981 (when the program was completed). Both types of data are organized by provinces--5 for gravity and 13 for magnetics.

Data Provided:

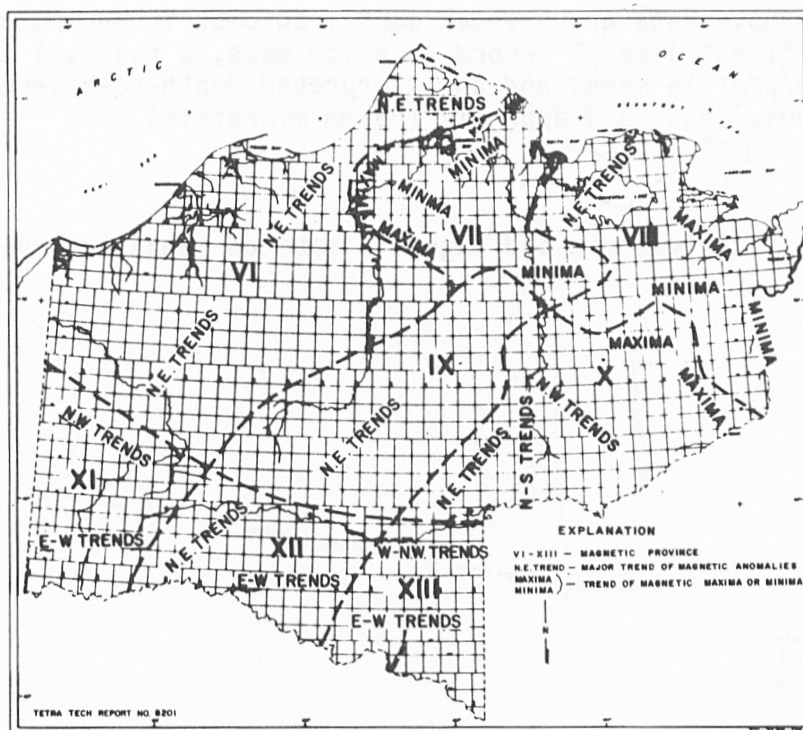
Item No.

- TGR-0230-BL      Vol I - Gravity and Magnetic Investigations of the National Petroleum Reserve in Alaska, by S.I. Gutman, A. Goldstein, and E.C. Guldenzopf, 1982; 57 p. of text including 5 tables, 20 maps, and 28 figures;  
Vol II - Descriptions and Principal Facts for Gravity Base Stations in the National Petroleum Reserve in Alaska, by S.I. Gutman and M.D. Donahue, 1981; 33 p. of text and tables, plus 413 p. of Gravity Base Station Descriptions, and 1 map (scale 1:500,000). Also includes Supplementary Terrain Corrections for Gravity Data from the National Petroleum Reserve in Alaska, by David F. Barnes, 10 p. On blackline paper; or
- TGR-0230-SE      Above data on sepia; or
- TGR-0230-PL      Above data on sepia plastic.

Data are also available as a boxed set.



Location of gravity provinces of the NPR (Data Set TGR-0230).



Location of magnetic provinces of the NPR (Data Set TGR-0230).

## Aerial Gamma Ray and Magnetic Survey Data

Data Set Name: Aerial Gamma Ray and Magnetic Survey Data, 1977 (1980 SE-M)

Data Set No.: TGO-0010

### Principal Facts:

Survey Date: 1977

Survey size: 1,195 flight-line miles (southern NPRA)

Spacing: 1-second intervals, using average terrain clearance of 800 feet and average ground speed of 100 m/hr

### Data Provided:

#### Item No.

TGO-0010-BL 25 profiles of radiometric data and 26 profiles of magnetic data on 35-mm microfilm and maps on blackline paper; or

TGO-0010-SE Data above with maps on sepia paper; or

TGO-0010-PL Data above with maps on sepia plastic.

Included with above data are 5 index maps (radiometric and magnetic field data for each flight line, 2 record location maps, 2 residual total magnetic-field profile maps, and an interpreted depth-to-basement map; scale 1:125,000), text, and appendix (35-mm microfilm).

### Optional Data:

TGO-0011-MT Radiometric and magnetic data on magnetic tape.



Aerial gamma ray and magnetic survey tracklines for Data Set TGO-0010.



## Elevation, Location, and TVD Data

Data Set Name: Miscellaneous Geophysical Data Tapes, 1972-81 (81-TGB-19)

Data Set Nos.: TGP-0070, TGZ-0220, TGZ-0230, TGZ-0240

### Principal Facts:

Survey date: 1972-81

Survey coverage: NPRA

### Data Provided:

<u>Item No.</u>	
TGZ-0220-MT	Time, velocity, and depth (TVD) information developed by Petroleum Information for up to 25 identified seismic horizons. Position information includes line number, shot point, latitude, and longitude for most of 1972-78 (2 magnetic tapes).
TGZ-0230-MT	Seismic reflection shot points for 1972-80 (1 magnetic tape).
TGP-0070-MT	Elevation, northing, and easting data for 1978-80. Position information includes line number, shot point, latitude, and longitude (1 magnetic tape).
TGZ-0240-MT	Preliminary time, velocity, and depth (TVD) information prepared by Tetra Tech for seismic data collected during 1972-80 (1 magnetic tape).

## **Geological and Geophysical Data Reports**

	Page
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## NPRA Final Report

Data Set Name: NPRA Final Report 1974-81 (83-TGB-01)

Data Set No.: TGZ-0170

### Principal Facts:

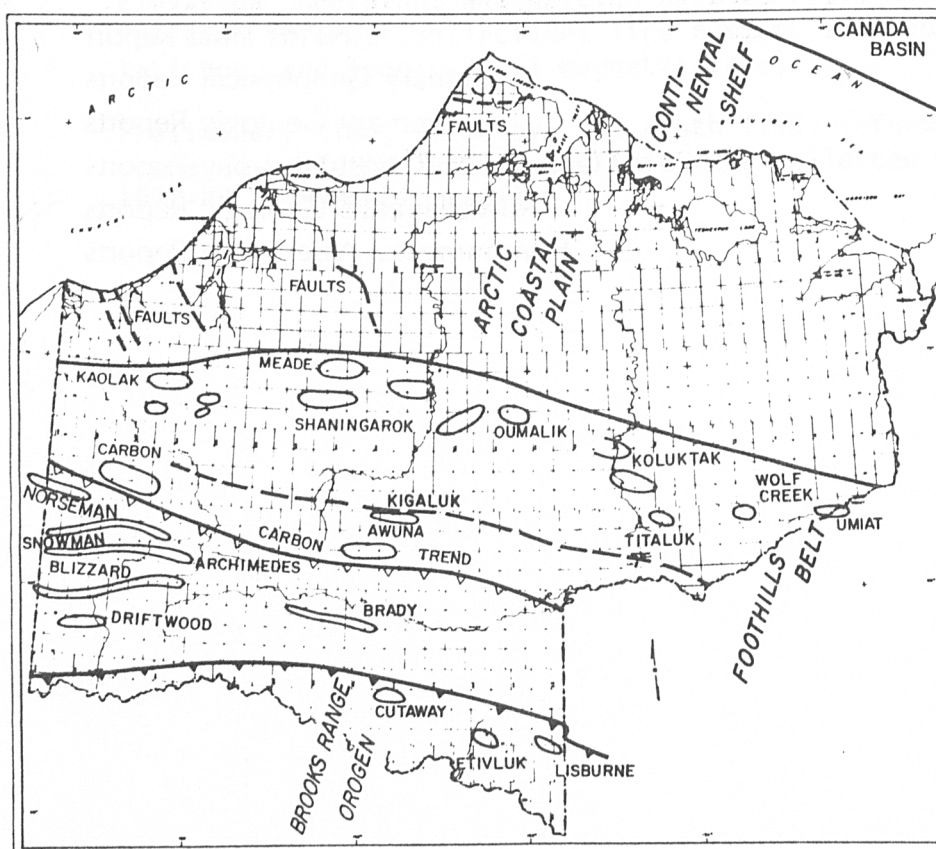
The Final Report is a comprehensive summary and interpretation of results of the entire NPRA exploration program from 1974 through September 1981 as conducted by the USGS and its contributors. The material offered is essentially a new presentation, not a compilation or condensation of previous annual reports.

### Data Provided:

#### Item No.

TGZ-0170-BL	Vol I: 71 plates (maps); 28 figures, maps and sections; Vol II and III: 103 figures, maps and sections, with text explanations, on blackline paper; <u>or</u>
TGZ-0170-SE	Data above on sepia paper; <u>or</u>
TGZ-0170-PL	Data above on sepia plastic.

Data are also available in a boxed set.



Tectonic regions map from Volume III (Data Set TGZ-0170).

## Summary Geophysical Reports

Data Set Name: Summary Geophysical Report, FY-1977 (1979-T)

Data Set No.: TGX-0020

### Principal Facts:

Survey date: FY1974-77

Survey size: 7,680 line miles

### Data Provided:

#### Item No.

TGX-0020-BL Index map (scale 1:500,000), 18 structure maps (scale 1:250,000), 2 Bouguer gravity maps (scale 1:250,000), isopach map (scale 1:125,000), and 15 figures of seismic sections on blackline paper; or

TGX-0020-SE Data above on sepia paper; or

TGX-0020-PL Data above on sepia plastic.

Included with above data is an analysis of seismic velocities (18 p., paper copy).

### Optional Data:

TGX-0021-MF Text of report on 16-mm microfilm

Data Set Name: Summary Geophysical Report, FY-1978 (1980 SE-DD)

Data Set No.: TGX-0050

Principal Facts:

Survey date: FY-1978

Survey size: 2,403 line miles (onshore and offshore)

Data Provided:

Item No.

TGX-0050-BL Index map (scale 1:500,000), 17 structure maps (scale 1:250,000), Bouguer gravity maps (scale 1:250,000), and 17 figures of seismic sections on blackline paper; or

TGX-0050-SE Data above on sepia paper; or

TGX-0050-PL Data above on sepia plastic.

Included with above data is text (33 p.; paper copy).

Data Set Name: Summary Geophysical Report, FY-1979 (1980 SE-LL)

Data Set No.: TGX-0075

Principal Facts:

Survey date: FY-1979

Survey size: 1,872 line miles (onshore)

Data Provided:

Item No.

TGX-0075-BL 12 structure maps (scale 1:250,000) and 13 figures of seismic sections (including index map, seismic field parameters, and geologic column) on blackline paper; or

TGX-0075-SE Above data on sepia paper; or

TGX-0075-PL Above data on sepia plastic.

Included with above data is text (18 p.; paper copy) along with velocity analyses (35-mm microfilm).

Optional Data:

TGX-0076-MF Text of report on 16-mm microfilm

## Summary Geological Reports

Data Set Name: Summary Geologic Report, FY-1978 (1980 SE-J)

Data Set No.: TGZ-0010

### Principal Facts:

The report updates previous geologic maps and well correlations and gives new well information on five wildcat wells and two development wells. Text contains a drilling program summary, significant results and interpretations, and an explanation of accompanying plates.

### Well names:

Drew Pt. #1	N. Kalikpik #1	S. Barrow #17
Inigok #1	S. Barrow #16	S. Barrow #19
Kugrua #1		

### Data Provided:

#### Item No.

TGZ-0010-BL	38 charts (including structural cross sections and depth maps, correlation sections, isopach maps, sand isoliths, average porosity, and potential thickness) on blackline paper; <u>or</u>
TGZ-0010-SE	Above data on sepia paper; <u>or</u>
TGZ-0010-PL	Above data on sepia plastic.

Included with data above is text (51 p.; paper copy).

### Optional Data:

TGZ-0011-MF	All charts and text on 35-mm microfilm
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Data Set Name: Summary Geologic Report, FY-1980 (81-TGB-22)

Data Set No.: TGZ-0050

Principal Facts:

Updates previous geologic maps and well correlations, integrates all stratigraphic data, and develops a regional stratigraphic interpretation. Contains "NPRA Well Completion File" (67 p.) that includes well information for key wells cited in the geologic report (149 p.).

Well names for Well Completion Files:

Atigaru Point #1	Kaolak #1	Simpson #1
Awuna #1	Kugrua #1	S. Meade #1
Cape Halkett #1	Lisburne #1	S. Simpson #1
Drew Point #1	N. Kalikpik #1	Topagoruk #1
E. Simpson #1,2	Oumalik #1	Tunalik #1
E. Teshekpuk #1	Peard #1	Walakpa #1
Iko Day #1	S. Barrow #3,13,17,20	W. Dease #1
Ikpikpuk #1	Seabee #1	W. Fish Creek #1
Inigok #1	S. Harrison Bay #1	W.T. Foran #1
J.W. Dalton #1		

Geologic reports contain information on the following wells:

Awuna #1	Lisburne #1	Tunalik #1
E. Simpson #2	S. Barrow #20	Walakpa #1
Ikpikpuk #1	Seabee #1	W. Dease #1
Koluktak #1		

Data Provided:

<u>Item No.</u>	
TGZ-0050-BL	48 maps and charts (including geologic column, tectonic map, correlation charts of key wells, regional correlation cross sections, and stratigraphic studies) on blackline paper, <u>or</u>
TGZ-0050-SE	Above data on sepia paper; <u>or</u>
TGZ-0050-PL	Above data on sepia plastic.

Included with data above are two texts (paper, 216 p.).

Optional Data:

TGZ-0051-MF	All illustrations and text on 35-mm microfilm
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Data Set Name: Summary Geologic Report, FY-1979 (1980 SE-MM)

Data Set No.: TGZ-0030

Principal Facts:

The report updates previous maps and well correlations and gives new well information on nine wells. Text contains a drilling program summary, significant results and interpretations, and an explanation of well log correlations and sections.

Well names:

E. Simpson #1  
Ikpikpuk #1  
Inigok #1

J.W. Dalton #1  
Lisburne #1  
Peard #1

Seabee #1  
S. Meade #1  
Tunalik #1

Data Provided:

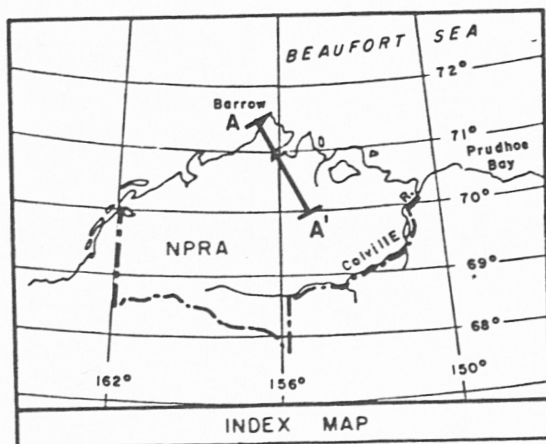
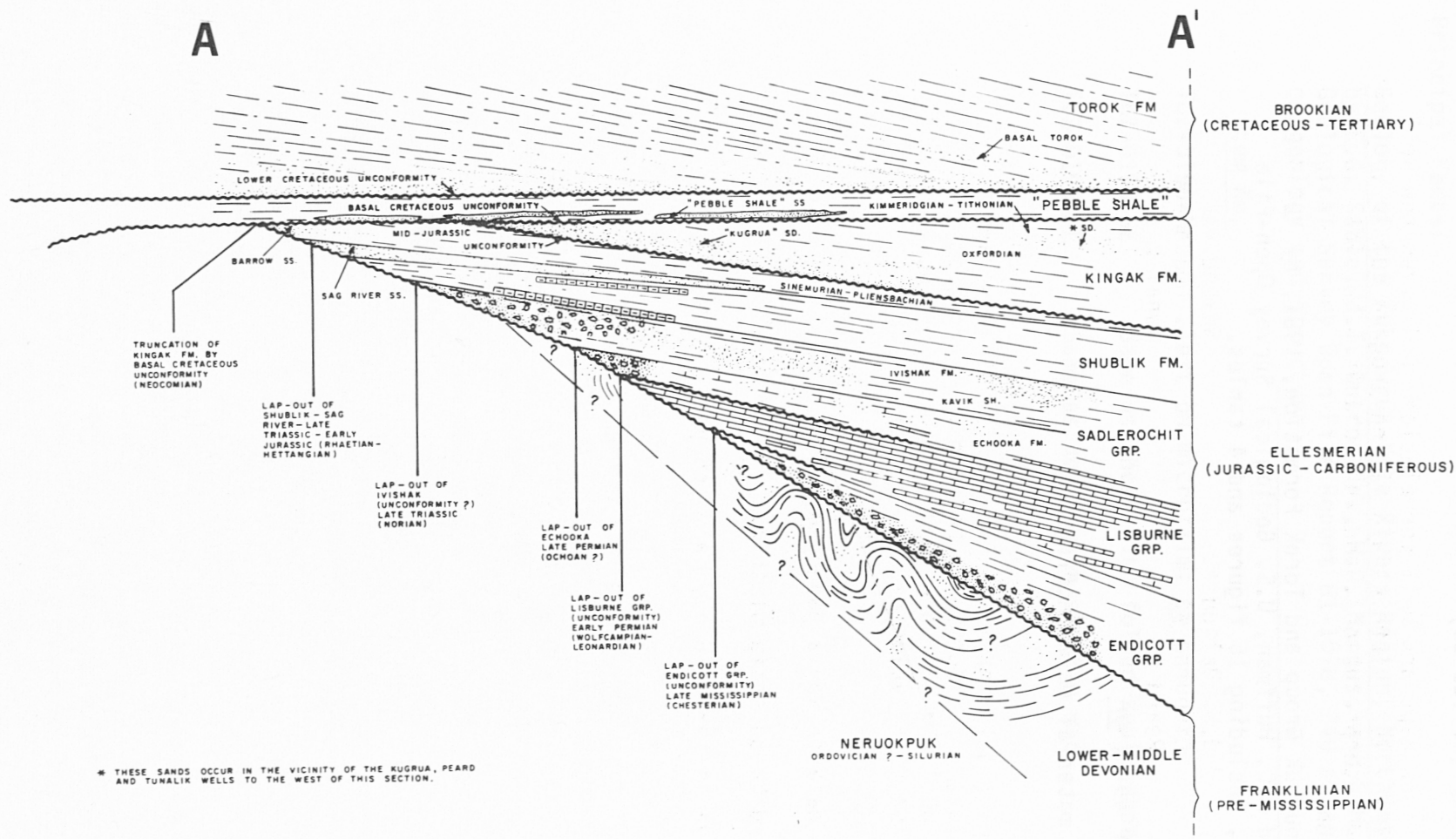
Item No.

TGZ-0030-BL      25 maps (including isopach, sand isolith, average porosity, and potential reservoir thickness; scale 1:125,000) and 8 figures and sections (charts, maps, and well-log correlation sections, scale 1:1200) on blackline paper; or

TGZ-0030-SE      Above data on sepia paper; or

TGZ-0030-PL      Above data on sepia plastic.

Included with data above is text (76 p.; paper copy).



Stratigraphic sketch of NPRA geology from Data Set TGZ-0030.

## Geology and Biostratigraphy Reports

Data Set Name: Geology and Biostratigraphy of the NPRA - Petrography of the Nanushuk Group (83-TGB-10)

Data Set No.: TGZ-0180

### Principal Facts:

Petrography of the Nanushuk Group and Torok Formation, 1981, by S. Bartsch-Winkler and A.C. Huffman, U.S. Geological Survey Open-File Report 81-1222, 62 p., including 16 figures and 4 tables.

#### Item No.

TGZ-0180-PA      Paper text; or

TGZ-0180-MF      Same material on microfilm.

Data Set Name: Geology and Biostratigraphy of the NPRA - Geology of Kukpowruk-Nuka Rivers Region (83-TGB-10)

Data Set No.: TGZ-0190

Principal Facts:

Geology of the Kukpowruk-Nuka Rivers Region, Northwestern Alaska, 1981,  
by E.G. Sable, J.T. Dutro, Jr., M.D. Mangus, and R.H. Morris, U.S.  
Geological Survey Open-File Report 81-1078, 240 p. and 1 figure (map  
of geology and structure).

Item No.

TGZ-0190-MF	Text on microfilm; <u>or</u>
TGZ-0190-SE	Same as above with folded sepia paper map; <u>or</u>
TGZ-0190-PL	Same as above with plastic map.

Data Set Name: Geology and Biostratigraphy of the NPRA - Petroleum Geology Report (83-TGB-10)

Data Set No.: TGZ-0200

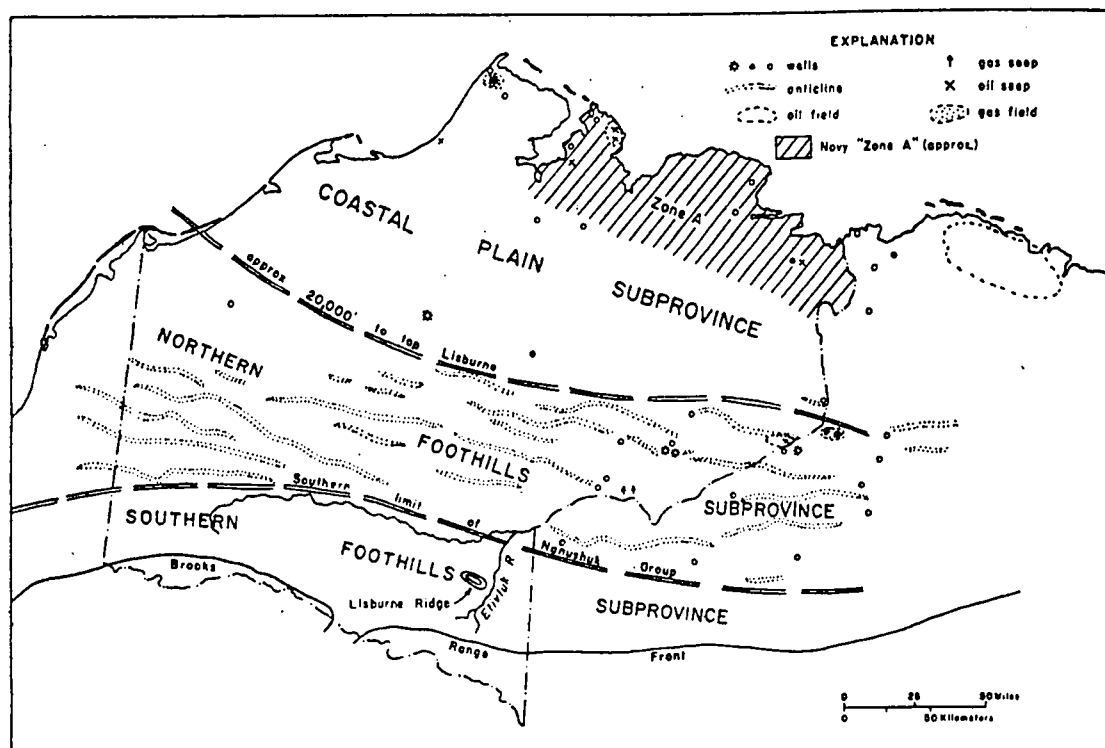
Principal Facts:

The Petroleum Geology and Hydrocarbon Potential of Naval Petroleum Reserve No. 4 - North Slope, Alaska, 1977 by R.D. Carter, C.G. Mull, K.J. Bird, and R.B. Powers, U.S. Geological Survey Open-File Report 77-475, 61 p., including 9 figures and 4 tables.

Item No.

TGZ-0200-PA Paper text of report; or

TGZ-0200-MF Same data as above on microfilm.



Exploration trends, NPR-4 (Data Set TGZ-0200).

Data Set Name: Geology and Biostratigraphy of the NPRA - Biostratigraphic Report - 33 Wells (83-TGB-10)

Data Set No.: TGY-0250

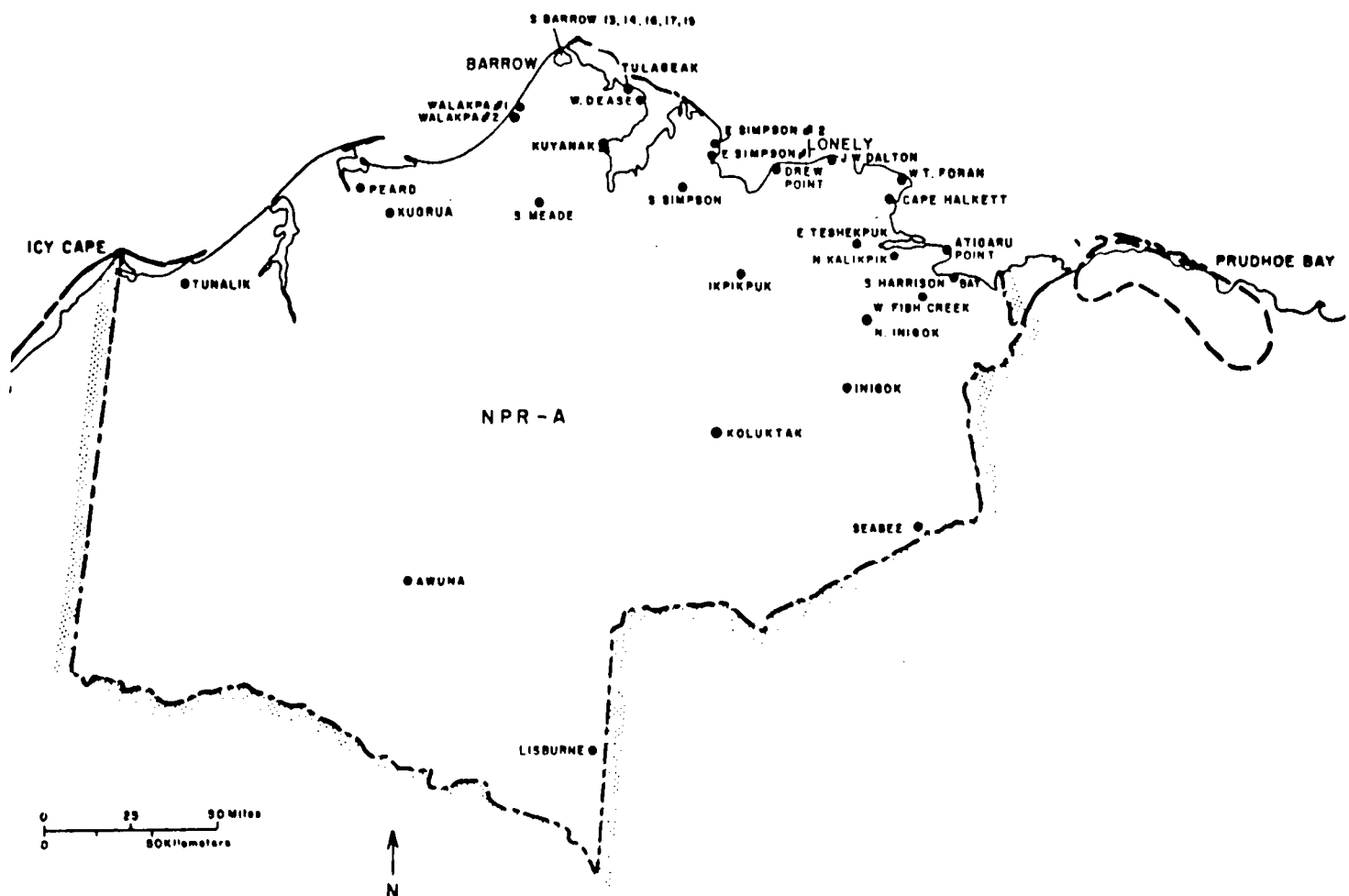
Principal Facts:

Biostratigraphic Report on Thirty-Three Wells Drilled From 1975 to 1981 in National Petroleum Reserve in Alaska, 1981, by R.J. Witmer (USGS), Hideyo Haga and M.B. Mickey (Anderson, Warren, and Assoc., Inc.), U.S. Geological Survey Open-File Report 81-1166, 47 p., including 2 tables and 2 figures.

Item No.

TGY-0250-PA Paper text; or

TGY-0250-MF Same material on microfilm.



Locations of 33 wells included in report (Data Set TGY-0250).

Data Set Name: Geology and Biostratigraphy of the NPRA - Biostratigraphic Correlation of Test Wells (83-TGB-10)

Data Set No.: TGY-0260

Principal Facts:

Biostratigraphic Correlations of Selected Test Wells of National Petroleum Reserve in Alaska, 1981, by R.J. Witmer (USGS), M.B. Mickey, and Hideyo Haga (Anderson, Warren and Assoc., Inc.), U.S. Geological Survey Open-File Report 91-1165, 89 p., 2 figures, 1 table, and 6 charts (lines of section - foraminifera and palynology; vertical scale 1 in. = 2,000 ft).

Item No.

TGY-0260-PA-BL	Paper text and 6 charts on blackline; <u>or</u>
TGY-0260-PA-SE	Same as above; charts on sepia paper; <u>or</u>
TGY-0260-PA-PL	Same as above; charts on sepia plastic; <u>or</u>
TGY-0260-MF-BL	Microfilm text; charts on blackline; <u>or</u>
TGY-0260-MF-SE	Same as above; charts on sepia paper; <u>or</u>
TGY-0260-MF-PL	Same as above; charts on sepia plastic.

Data Set Name: Geology and Biostratigraphy of the NPRA - South Barrow Area  
Neocomian Biostratigraphy (83-TGB-10)

Data Set No.: TGY-0280

Principal Facts:

South Barrow Area Neocomian Biostratigraphy, 1983, by Hideyo Haga and M.B. Mickey (Biostratigraphics, contractor to U.S. Geological Survey), in 2 volumes, 48 p. text, 20 plates (foraminifera and palynomorph charts and correlations from seven Barrow area wells, plus Seabee Well and Iko Bay #1 well), and 2 figures (in text). Volume 1 is text; volume 2 contains data summaries and plates.

Item No.

TGY-0280-BL	Paper text and blackline plates; <u>or</u>
TGY-0280-SE	Paper text and sepia paper plates; <u>or</u>
TGY-0280-PL	Paper text and sepia plastic plates.



## Miscellaneous Geologic Reports

Data Set Name: Miscellaneous Geologic Reports, 1977-80 (1980 SE-FF)

Data Set No.: TGZ-0020

Principal Facts:

1. Title: Environments of Deposition of the Sadlerochit Group, Northeastern NPRA, by E.C. Guldenzopf, 1978.

Data Provided:

Item No.

TGZ-0021-BL	10 figures on blackline paper; <u>or</u>
TGZ-0021-SE	Above data on sepia paper; <u>or</u>
TGZ-0021-PL	Above data on sepia plastic.

Included with data above is text (22 p.; paper copy).

2. Title: Preliminary Summary, NPR-4, FY-77 Drilling Program, by R.M. Pratt, J.K. Andrews, and R.R. Simonson, 1977.

Data Provided:

Item No.

TGZ-0022-BL	6 figures and plates on blackline paper; <u>or</u>
TGZ-0022-SE	Above data on sepia paper; <u>or</u>
TGZ-0022-PL	Above data on sepia plastic.

Included with data above is text (48 p.; paper copy).

3. Title: Stratigraphy and Diagenetic Alteration of Ellesmerian Sequence Siliclastic Rocks, North Slope, Alaska, by P.C. van de Kamp, 1979.

Data Provided:

Item No.

TGZ-0023-BL	6 color plates and 4 figures on blackline paper; <u>or</u>
TGZ-0023-SE	Above data on sepia paper; <u>or</u>
TGZ-0023-PL	Above data on sepia plastic.

Included with data above is text (50 p.; paper copy).

4. Title: Untitled (Analysis of test data from Seabee Test Well No. 1), by H.J. Gruy and Associates, Inc., 1980.

Data Provided:

Item No.

TGZ-0024-PA	Text (38 p.; paper copy)
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Data Set Name: Miscellaneous Geologic Reports, 1976-79 (81-TGB-20)

Data Set No.: TGZ-0040

Principal Facts:

1. Title: Regional Geologic Analysis: Comparison of Well Log and Seismic Interpretations, North Slope, Alaska, by R.M. Pratt and J.K. Andrews, 1976.

Data Provided:

Item No.

TGZ-0041-BL	3 structure maps and 2 isopach maps (scale 1:500,000) on blackline paper; <u>or</u>
TGZ-0041-SE	Above data on sepia paper; <u>or</u>
TGZ-0041-PL	Above data on sepia plastic.

Included with data above is text (7 p.; paper copy).

2. Title: Regional Geologic Analysis: Jurassic-Early Cretaceous Correlations and Reservoir Trend Analysis, NPR-4, Alaska, by R.M. Pratt and J.K. Andrews, 1979.

Data Provided:

Item No.

TGZ-0042-BL	5 correlation sections, 3 isopach maps, and 2 isolith and thickness maps (scale 1:500,000) on blackline paper; <u>or</u>
TGZ-0042-SE	Above data on sepia paper; <u>or</u>
TGZ-0042-PL	Above data on sepia plastic.

Included with data above is text (21 p.; paper copy).

3. Title: Regional Geologic Analysis: Permo-Triassic Correlation and Reservoir Trend Study, NPR-4, Alaska, by R.M. Pratt and J.K. Andrews, 1977.

Data Provided:

Item No.

TGZ-0043-BL	5 correlation sections, 6 isopach maps, 2 isolith maps, and 3 geologic maps (scale 1:500,000) on blackline paper; <u>or</u>
TGZ-0043-SE	Above data on sepia paper; <u>or</u>
TGZ-0043-PL	Above data on sepia plastic.

Included with data above is text (22 p.; paper copy).

Data Set Name: Miscellaneous Geologic Reports, 1977-79 (81-TGB-26)

Data Set No.: TGZ-0090

Principal Facts:

1. Title: Interpretive Processing and Stratigraphic Evaluation, NPR-Alaska, 1978.

Data Provided:

Item No.

TGZ-0091-BL	34 charts on blackline paper; <u>or</u>
TGZ-0091-SE	Data above on sepia paper; <u>or</u>
TGZ-0091-PL	Data above on sepia plastic.

Included with above data is text (48 p., paper copy).

2. Title: Analysis of Structural and Stratigraphic Features of Interest, NPR-4, Alaska, 1977.

Data Provided:

Item No.

TGZ-0092-BL	5 maps on blackline paper; <u>or</u>
TGZ-0092-SE	Data above on sepia paper; <u>or</u>
TGZ-0092-PL	Data above on sepia plastic.

Included with above data is text (174 p., paper copy)

3. Title: Stratigraphic Evaluation of the NPRA, Barrow Area, Alaska, 1978.

Data Provided:

Item No.

TGZ-0093-BL	23 charts on blackline paper; <u>or</u>
TGZ-0093-SE	Data above on sepia paper; <u>or</u>
TGZ-0093-PL	Data above on sepia plastic.

Included with above data is text (45 p., paper copy)

4. Title: Gas Hydrate Evaluation and Recommendations, NPR-Alaska, by R.M. Pratt, 1979.

Data Provided:

Item No.

TGZ-0094-PA	Text only (27 p., paper copy).
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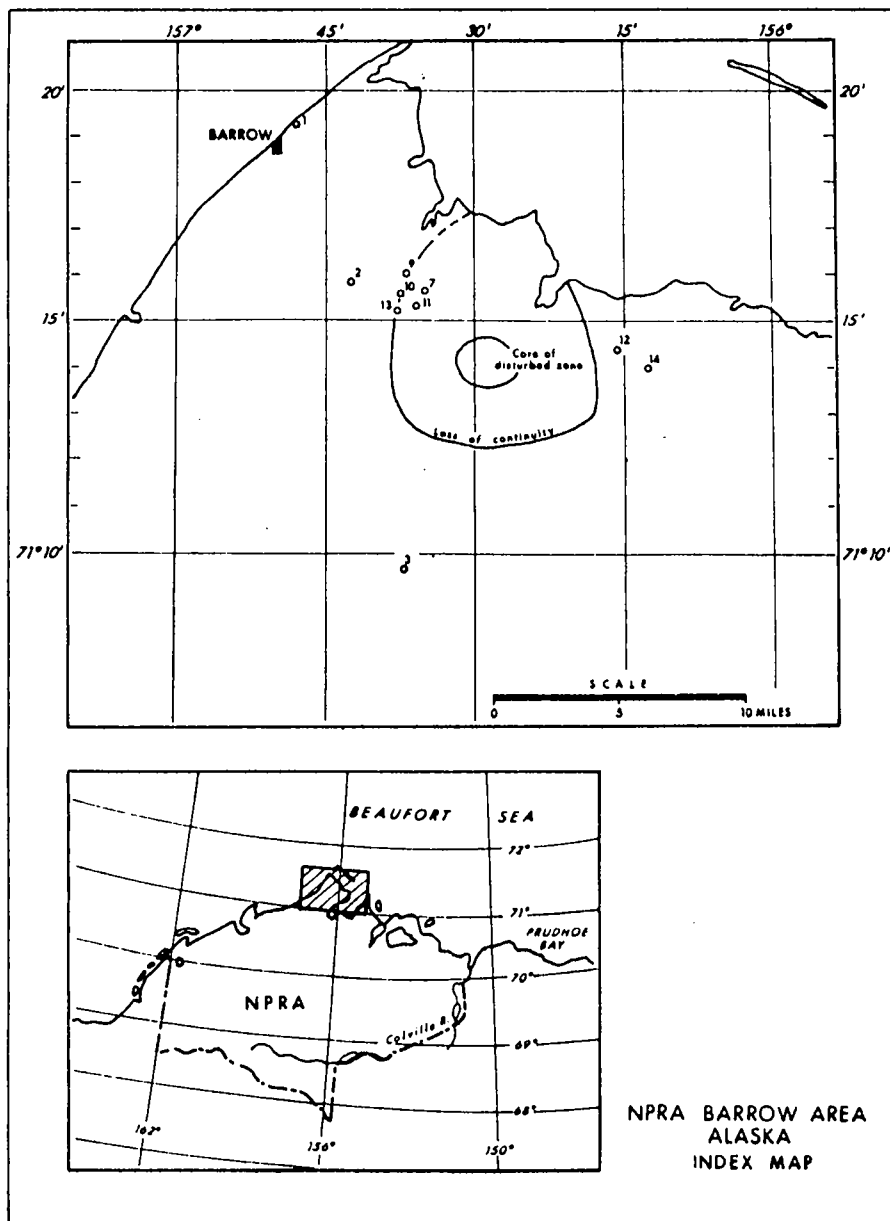
5. Title: Stratigraphic Study, Western Sector NPRA, by R.M. Sheriff, 1977.

Data Provided:

Item No.

TGZ-0095-BL	11 charts on blackline paper; <u>or</u>
TGZ-0095-SE	Data above on sepia paper; <u>or</u>
TGZ-0095-PL	Data above on sepia plastic.

Included with above data are text (53 p., paper copy), 84 color reproductions, and 31 plastic overlays.



Index map for Stratigraphic Evaluation of the NPRA, Barrow Area, Alaska (Data Set TGZ-0093).

Data Set Name: Benchmark Geodetic Survey Report

Data Set No.: TGX-0180

Principal Facts:

This pre-survey seismic report was prepared by Barr Automated Surveys and G.S.I. Inc., for Husky Oil NPR Operation, Inc. The survey was conducted between 1976 and 1979. The report contains location information, site descriptions, coordinate conversion charts, and daily operation logs.

Data Provided:

Item No.

TGX-0180                      Data on paper (247 p.)

TGX-0181                      Data on 16-mm microfilm

Data Set Name: Two Recent Geologic Reports from the NPRA: Seismic Stratigraphy and Gas Hydrates (83-TGB-08)

Data Set No.: TGY-0220

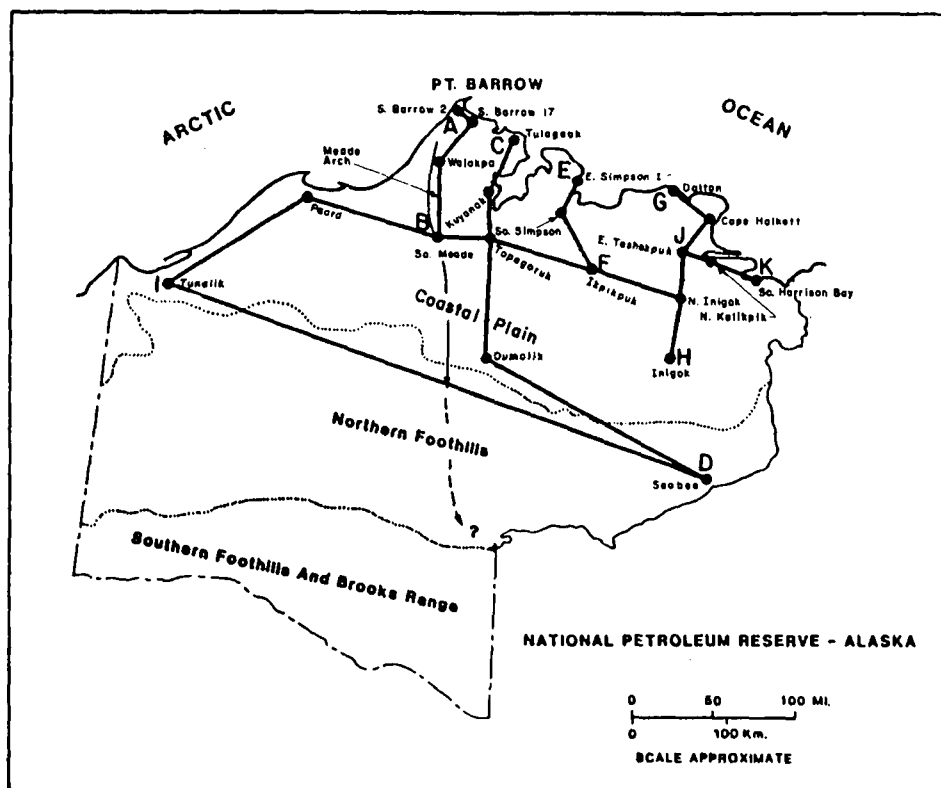
Principal Facts:

Report 1, titled Jurassic-Neocomian Seismic Stratigraphy, NPRA, by Hideyo Haga and Michael B. Mickey, 1983, 2 vol., 133 p., and 14 figures.

Data Provided:

Item No.

TGY-0220-BL	14 charts on blackline paper; paper copy of report (133 p.); <u>or</u>
TGY-0220-SE	Above data on sepia paper; <u>or</u>
TGY-0220-PL	Above data on sepia plastic.



Index map of well locations and biostratigraphic correlation lines for Data Set TGY-0220.

Data Set Name: Two Recent Geologic Reports from the NPRA: Seismic Stratigraphy and Gas Hydrates (83-TGB-08)

Data Set No.: TGY-0230

Principal Facts:

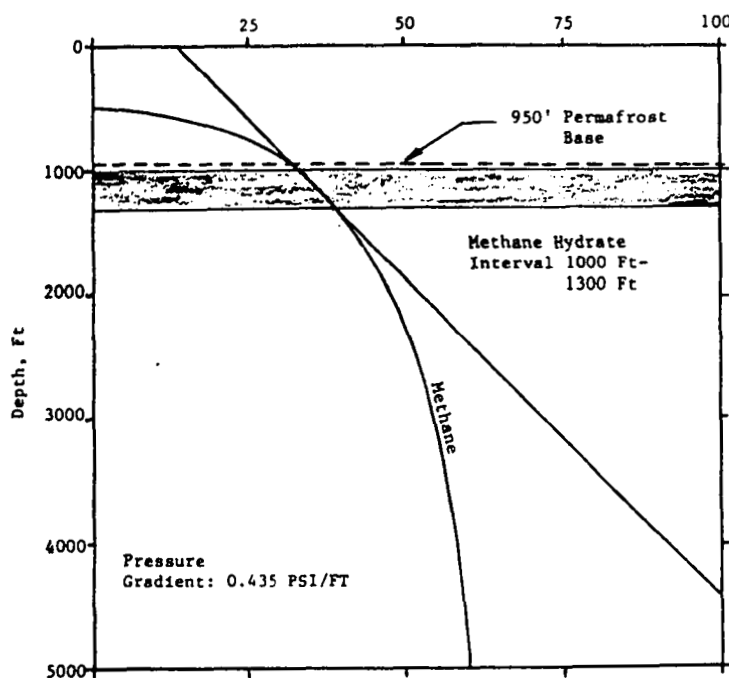
Report 2, titled, Review and Evaluation of Evidence of In-Situ Gas Hydrates in the NPRA, 1982, by Joseph W. Galate and Malcom A. Goodman, 36 p. text, 43 figures, 16 tables. This evaluation report is based on evidence from drilling plans, well histories, daily drilling reports, mud reports, coring information, open-hole logs, and geologic data for the area.

Data Provided:

Item No.

TGY-0230-PA

Paper copy of report.



Methane hydrate interval for Walakpa No. 2 drilling (Data Set TGY-0230).

Data Set Name: Four Seismic and Well Data Reports, 1980-82 (82-TGB-12)

Data Set No.: TGY-0300

Principal Facts:

1. Title: The Geological Significance of Compaction Gradient Plots of Wells in the NPRA, by Lynn D. Ervin, 1981.

Data Provided:

Item No.

TGY-0301-BL	25 p. text and 27 plates in blackline paper; <u>or</u>
TGY-0301-SE	Data above on sepia paper; <u>or</u>
TGY-0301-PL	Data above on sepia plastic.

2. Title: Report on an Integrated Interpretation of Seismic and Well Data Pertaining to the Barrow Gas Fields and the Avak Disturbed Zone, by Donald W. Rockwell, 1981.

Item No.

TGY-0302-BL	24 p. text and 9 plates on blackline paper; <u>or</u>
TGY-0302-SE	Data above on sepia paper; <u>or</u>
TGY-0302-PL	Data above on sepia plastic.

3. Title: Report on Reinterpretation of Seismic Data Pertaining to Mesozoic Strata in the Cape Simpson Region, NPRA, by Donald W. Rockwell, 1981.

Item No.

TGY-0303-BL	28 p. text and 13 plates on blackline paper; <u>or</u>
TGY-0303-SE	Data above on sepia paper; <u>or</u>
TGY-0303-PL	Data above on sepia plastic.

4. Title: Report on Analysis and Reinterpretation of Seismic and Well Data Pertaining to Jurassic Sandstone Prospects in the Northern Part of NPRA, by D.W. Rockwell and S.H. Folk, 1980; revised 1982.

Item No.

TGY-0304-BL	31 p. text and 20 plates on blackline paper; <u>or</u>
TGY-0304-SE	Data above on sepia paper; <u>or</u>
TGY-0304-PL	Data above on sepia plastic.

Also available, all four reports and accompanying plates in these formats:

Item No.

TGY-0300-BL	Blackline paper; <u>or</u>
TGY-0300-SE	Sepia paper; <u>or</u>
TGY-0300-PL	Sepia plastic.



Data Set Name: NPRA 1981 Exploration Program - Geophysical and Geological Report (83-TGB-02)

Data Set No.: TGZ-0160

Principal Facts:

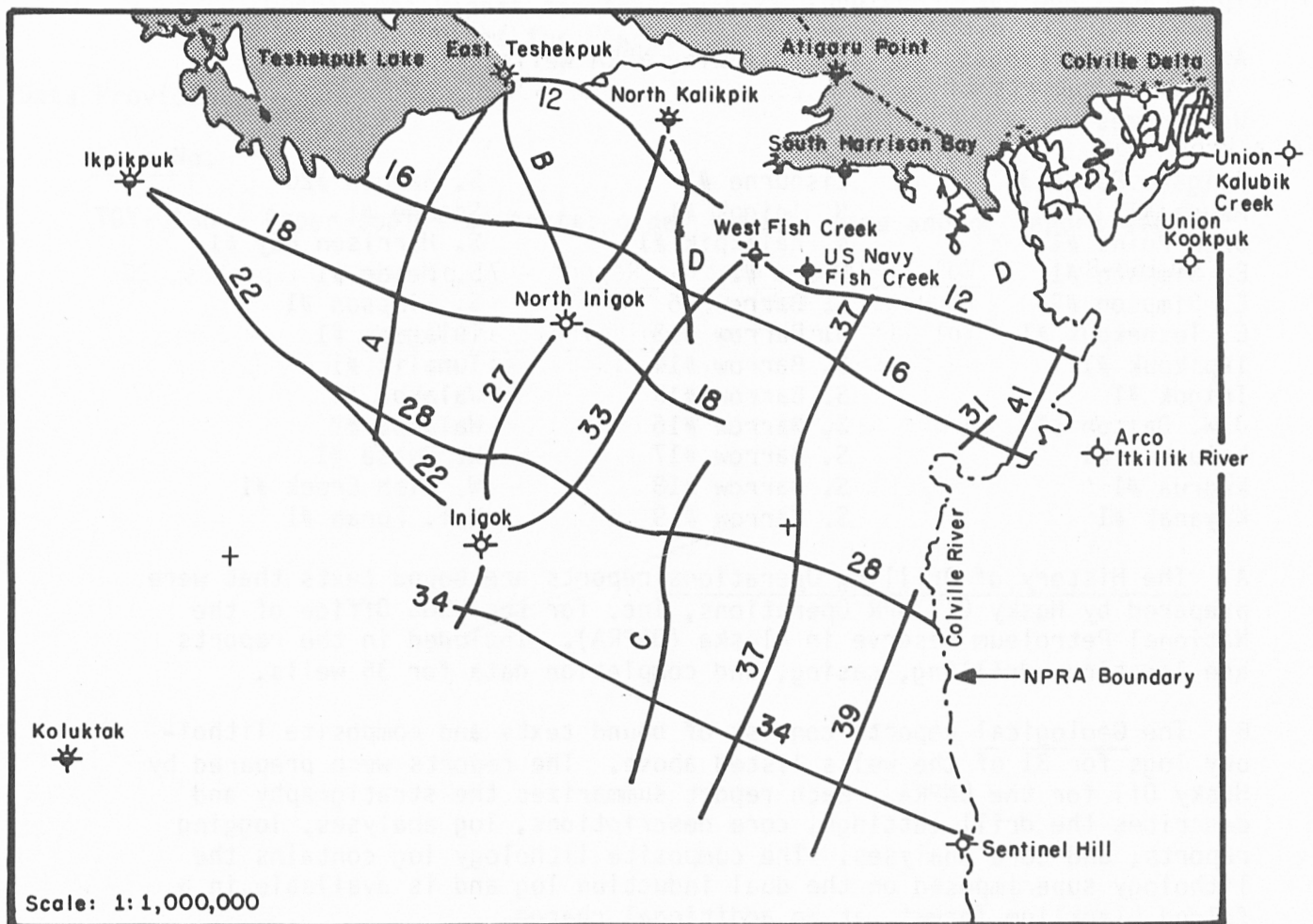
These data are a product of the geophysical, geological, and drilling program for 1981. The format of the report is comparable to that used for NPRA reports of earlier years (1979 and 1980).

Data Provided:

Item No.

TGZ-0160-BL	<u>Vol I: Interpretation Report - 71 p. text, 74 plates, 10 figures, 3 tables;</u> <u>Vol II: Drilling, Geological, and Geophysical Reports - 44 p. text, 4 figures, 19 tables, on blackline paper; or</u>
TGZ-0160-SE	Above data on sepia paper; <u>or</u>
TGZ-0160-PL	Above data on sepia plastic.

Data are also available in a boxed set.



NPRA study area index map - 1981 exploration program showing CDP seismic lines and selected wells (Data Set TGZ-0160).

Data Set Name: History of Drilling Operations, Geologic Reports, Construction and Design Reports, and Various Miscellaneous Operations Reports for NPRA Wells (83-TGB-13)

Data Set No.: TGY-0180

Principal Facts and Data Provided:

A variety of reports for the following NPRA wells:

Well names:

Atigaru Point #1	Lisburne #1	S. Barrow #20
Awuna #1	N. Inigok #1	Seabee #1
Drew Point #1	N. Kalikpik #1	S. Harrison Bay #1
E. Simpson #1	Peard #1	S. Meade #1
E. Simpson #2	S. Barrow #6	S. Simpson #1
E. Teshekpuk #1	S. Barrow #13	Tulageak #1
Ikpikpuk #1	S. Barrow #14	Tunalik #1
Inigok #1	S. Barrow #15	Walakpa #1
J.W. Dalton #1	S. Barrow #16	Walakpa #2
Koluktak #1	S. Barrow #17	W. Dease #1
Kugrua #1	S. Barrow #18	W. Fish Creek #1
Kuyanak #1	S. Barrow #19	W.T. Foran #1

A) The History of Drilling Operations reports are bound texts that were prepared by Husky Oil NPR Operations, Inc. for the USGS Office of the National Petroleum Reserve in Alaska (ONPRA). Included in the reports are location, drilling, casing, and completion data for 35 wells.

B) The Geological reports consist of bound texts and composite lithology logs for 31 of the wells listed above. The reports were prepared by Husky Oil for the ONPRA. Each report summarizes the stratigraphy and describes the drill cuttings, core descriptions, log analyses, logging reports, and core analyses. The composite lithology log contains the lithology superimposed on the dual induction log and is available in a folded blackline format, at no additional charge.

C) The Design and Construction reports for 7 wells are available as bound texts. Prepared by Husky Oil for the ONPRA, the reports describe design criteria for the well site, as well as site conditions, well pad construction, airstrip design, and road design.

D) The Miscellaneous Operations reports, also bound texts prepared by Husky Oil for NPR, Inc., describe various specialized topics such as communications engineering and environmental rehabilitation. Some reports summarize general topics such as the history of exploration and the NPRA cost estimating system. The following is a complete list of titles:

Camp Lonely Support Services 1975-81  
Clean Up & Environmental Rehabilitation  
Communications Engineering

Cost Summary of Exploration Wells 1976-81  
Design of NPRA Winter Drilling Pads 1976-78  
Design of NPRA Winter Drilling Pads 1979-81  
History of the Second Exploration 1975-82  
NPRA Construction Cost Estimating System  
On-Tundra Ice Airstrips  
Operations Report for Transportation &  
Communications for Fiscal Years 1976-82

Data Provided:

Item No.

TGY-0180 Paper copies of texts; order by well name and/or report title.

Data Set Name: NPRA - Drilling Program Reports - 32 Wells, 1977-81 (83-TGB-11)

Data Set No.: TGY-0130

Principal Facts:

The Drilling Program Reports are bound texts, prepared by Husky Oil NPR Operations, Inc., that describe various proposed drilling procedures for 32 wells in the NPRA. Information contained in these reports includes geologic summaries, logging plan, kick and blowout control plan, and various hardware inventories. An oversized composite drilling plan sheet, on folded blackline, is included with each report.

Well names:

Atigaru Point	Kuyanak #1	S. Barrow #20
Awuna	Lisburne #1	Seabee #1
Drew Point	N. Inigok	S. Meade #1
E. Simpson #1	N. Kalikpik	S. Simpson #1
E. Simpson #2	Peard #1	Tulageak #1
Fish Creek #1	S. Barrow #14	Tunalik #1
Ikpikpuk #1	S. Barrow #15	Walakpa #1
Inigok #1	S. Barrow #16	Walakpa #2
J.W. Dalton #1	S. Barrow #17	W. Dease #1
Koluktak #1	S. Barrow #18	W.T. Foran #1
Kugrua #1	S. Barrow #19	

Data Provided:

Item No.

TGY-0130      Text on paper; drilling plan on folded blackline. Order by well name.

Data Set Name: NPRA - Barrow Gas Fields Well Tests (84-TGB-01)

Data Set No.: TGY-0320

Principal Facts:

The report, Barrow Gas Fields, Well Tests, Barrow, Alaska, was prepared by Gruy Pipeline Engineering in September 1983. It gives an introduction, background information, a summary, and conclusions, as well as discussions on deliverability, reserve estimate update, production limits, and test procedures. An appendix enumerates calculation data from the South and East Barrow Fields. It contains 510 p. of text, tables, and field data. Please note that much of the data in the report is field data and therefore not of uniform quality. NGDC has the best copy available, but some data are of poor quality and will not reproduce well. The majority of data, however, is of good quality and usable.

Data Provided:

Item No.

TGY-0320-PA	Text on paper; 510 p. of text, tables, and field data; <u>or</u>
TGY-0320-MF	Text on microfilm.

## Environmental Assessment Reports

Data Set Name: NPRA Environmental Monitoring Report, 1981 (83-TGB-11)

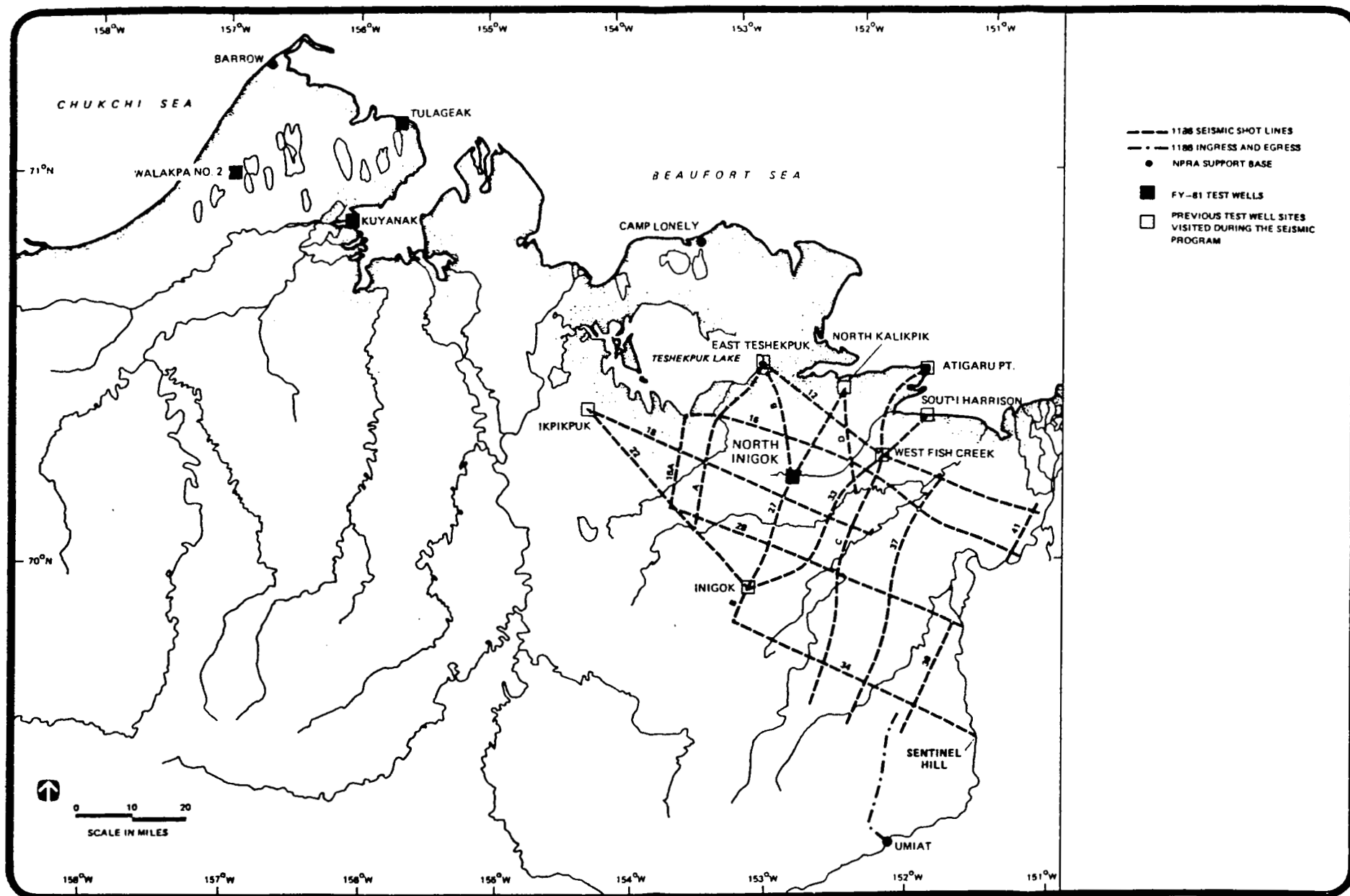
Data Set No.: TGY-0330

### Principal Facts:

The Environmental Monitoring Report is a bound text (232 p.) that was prepared by Tetra Tech, Anchorage, Alaska, for the Office of the National Petroleum Reserve-Alaska. This report is a record and summary of the environmental aspects of the FY-81 USGS oil and gas exploration program on the NPRA. The FY-81 Test Well Operations are reviewed from the construction phase to the drilling phase, through the well site rehabilitation phase. The test well sites are Walakpa #2, N. Inigok #1, Kuyanok #1, and Tulageak #1. The FY-81 seismic operations as well as the burial program and winter trails are evaluated.

### Item No.

TGY-0330-PA	Environmental Monitoring Report, 1981 (232 p.), paper copy.
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FY-81 geophysical program, from the Environmental Monitoring Report (Data Set TGY-0330).



Data Set Name: NPRA - Environmental Assessment Reports - 21 Wells, 1977-81  
(83-TGB-11)

Data Set No.: TGY-0131

Principal Facts:

The Environmental Assessment Reports are bound texts with maps describing the result of environmental assessment studies conducted at 21 selected test sites by the ONPRA, U.S. Geological Survey, through Husky Oil NPR Operations, Inc., and its subcontractors. The reports were prepared jointly by ONPRA-USGS in Anchorage, Alaska, and by the ONPRA-U.S. Bureau of Land Management in Fairbanks, Alaska. The reports generally contain information about proposed drilling action, the existing environment, impacts on the physical surroundings, cultural and socio-economic impacts, and unavoidable adverse impacts. The maps, drawn at various scales, show areas and well site topography, barrow sites, winter trails, aerial photo layouts, access road plans and profiles, as well as miscellaneous related information.

Well names:

Awuna #1	Koluktak #1	Seabee #1
E. Simpson #1	Kugrua #1	S. Meade #1
E. Simpson #2	Kuyanak #1	Tunalik #1
Drew Pt. #1	Lisburne #1	Tulageak #1
Ikpikpuk #1	N. Inigok #1	W. Dease #1
Inigok #1	N. Kalikpik #1	Walakpa #1
J.W. Dalton	Peard #1	Walakpa #2

Data Provided:

Item No.

TGY-0131      Text on paper; maps on folded blackline. Order by well name.

## KGRD Catalog Series

Listed below are catalogs published in the Key to Geophysical Records Documentation (KGRD) series. Those without an asterisk (\*) may be obtained from the National Geophysical Data Center, NOAA, Code E/GC, Dept. CNP, 325 Broadway, Boulder, Colorado, USA, 80303; if preceded by an asterisk, from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, USA 22161. Missing numbers are out of print.

- \*KGRD No. 6, Bibliography and Index to Literature on Manganese Nodules (1874-1975) (NTIS No. PB-257218).
- \*KGRD No. 8, Catalog of Digital Bathymetric Data for the United States Coastal Regions (NTIS No. PB81-133258).
- KGRD No. 10, The Marine Geophysical Data Exchange Format--"MGD77".
- KGRD No. 11, Summary of Digital Marine Geophysical Data Holdings (Bathymetric, Magnetic, and Gravimetric Data).
- KGRD No. 12, Thermal Springs List for the United States.
- KGRD No. 14, Marine Geology and Geophysics Data Services and Publications.
- KGRD No. 15, Earthquake Data Services and Publications (including Tsunamis).
- KGRD No. 16, Catalog of Geological and Geophysical Data for the National Petroleum Reserve in Alaska.
- KGRD No. 17, Terrestrial Geophysics Data Services.
- KGRD No. 18, U.S. Land Gravity.
- KGRD No. 19, Summary of Earthquake Intensity File.
- KGRD No. 21, Summary of Earthquake Data Base.
- KGRD No. 22, Solid Earth Geophysics Data Services Brochure.