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Summary of Northern Fur Seal Data and Collection Procedures

Volume 2:
Eastern Pacific Pelagic Data of the United States and Canada (Excluding Fur Seals Sighted)

Edited by Robert H. Lander

September 1980

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service

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SUMMARY OF NORTHERN FUR SEAL DATA AND COLLECTION PROCEDURES

Volume 2: Eastern Pacific Pelagic Data of the United States and Canada (Excluding Fur Seals Sighted)

Edited by

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Prepared for

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ABSTRACT

This is the second of several reports being produced as a result of the Seattle Data Workshop which the Standing Scientific Committee of the North Pacific Fur Seal Commission convened in December 1978. In a form suitable for population analyses, the Commission assembles here much of the detailed data collected by Canada and the United States during 1958-74 while carrying out research cruises in the eastern North Pacific region under the 1957 Convention. Data tables are preceded by an explanatory text in an effort to guard against unwarranted assumptions in population studies. Records of fur seal sightings and effort are not included, nor are the data on tagged or marked animals which are planned for a future report. The following biological data are summarized as agreed at the Workshop: age and sex composition, pregnancy rates, reproductive condition of females, length and weight, and food species consumed.

PREFACE

This is the second report produced by the North Pacific Fur Seal Commission as a result of the Seattle Data Workshop which the Standing Scientific Committee convened in December 1978. Unlike the situation for processing and presenting the land data and text of the Soviet Union and the United States in Volume 1, the common language, collection procedures, and computerized data base lend themselves to a simpler format for the Eastern Pacific pelagic material. The draft texts by M. A. Bigg of Canada and H. Kajimura of the U.S. are integrated while national distinctions are identified when appropriate. Similarly, data from both countries are tabulated together while national origins are specified as agreed at the Workshop.

Automation of the data base was well under way before sampling was suspended in 1974, and was finished in 1978. Reports of preliminary analyses were distributed to the Standing Scientific Committee at the 22nd Meeting (Washington, D.C., 1979) and 23rd Meeting (Moscow, 1980). The present report does not include the data on fur seal sightings or hours of sighting effort, but makes the detailed biological data available for additional analyses.

For computer programming I am especially grateful to G. F. Hornof, and additionally to B. Wolborsky, of the National Marine Mammal Laboratory (NMML). H. Kajimura, who along with C. H. Fiscus collected much of the U.S. data and was responsible for automating the joint data base, made useful suggestions throughout the editorial process. As with Volume 1, in which I neglected to thank S. Pearson and A. Y. Roppel for some most welcome Russian-to-English translations, considerable support by the National Marine Fisheries Service through the NMML Director, M. F. Tillman, has made it possible for the Commission to produce the English manuscript of Volume 2 and to distribute four copies to each member nation during 1980 (the large size made it impractical to produce more copies). Requests for the report should be mailed to the address inside the cover, while inquiries concerning the data should be sent to Mr. Kajamura at the NMML.

R. H. Lander (USA)
Editor, Data Reports

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INTRODUCTION

To provide background information on distribution, feeding, and relative abundance by continent of origin for the purpose of negotiating a new four-nation agreement, pelagic research on fur seals was carried out in 1952 on both sides of the North Pacific Ocean. Japan, Canada, and the United States sampled in the Western Pacific while Canada and the U.S. worked off North America (the U.S. also studied the feeding of seals in 1955 in the eastern Bering Sea). The Soviet Union was unable to participate in the 1952 expedition but expressed interest in a renewed agreement.

All four nations started annual pelagic research in 1958 because the 1957 Convention, unlike its predecessor of 1911, provided for research as well as for management. Japan and the Soviet Union continue to collect data annually in the Western Pacific and adjoining waters. Canada and the United States, however, suspended sampling after 1974 in order to analyze the data already collected in the Eastern Pacific and thereby to improve the basis for future collections.

In judging the adequacy of sampling as reflected in the 1958-74 data, it is important to recognize that the 1957 Convention specified quotas, or total numbers of fur seals to be collected in the Eastern Pacific and by each country, but <u>not</u> the times and areas of collection. Based largely on the experience of the 1952 expedition, the 1955 trip of U.S. researchers to the Bering Sea, and commercial pelagic sealers before 1911, sampling during 1958-63 was concentrated in areas of known abundance in order to fulfill the annual research quotas then in effect: 500-750 seals by Canada and 1250-1750 by the U.S. (the latter used two or three vessels each year during 1958-63). Systematic transects were not covered in this situation. The quota system was eliminated in 1964 by a protocol which extended the term of the Convention and modified certain research provisions. Both countries followed predetermined cruise tracks in some areas after 1963. Prior knowledge of where and when the seals occur, however, continued to influence vessel schedules in an era of continually increasing costs. Finally, it must be remembered that time spent collecting a sample of reasonable size in one area could not be spent collecting elsewhere or sighting seals along a predetermined transect.

The general procedure each year was to charter vessels for 2-4 months in order to survey waters in a selected part of the fur seal's feeding range from California to the Bering Sea. The time spent looking for seals, numbers seen, and prevailing environmental conditions (e.g., water temperature and visibility) were recorded and are a part of the computerized data base. The present report, however, compiles only the following biological data which were collected from seals at sea and from organs or

tissues preserved for later examination in the laboratory: age and sex composition, pregnancy rates, reproductive condition of females, length and weight, and food species consumed.

A description of the collection and processing procedures follows.

FIELD METHODS

Vessels and Personnel

Pelagic research was carried out mainly from chartered vessels of the purse seine type. The use of government vessels (usually larger) during a few of the years extended the coverage, but a typical seiner, with a wheelhouse and flying bridge in the forward part of the vessel (Fig. 1), provided superior visibility and maneuverability for sighting and following seals. Except for a 14.4-m (48-ft) vessel in 1958 which was adequate for day trips only, the seiners ranged from approximately 19.5-m (65 ft) to 32.4-m (108 ft) in registered length. They were reasonably stable, moved at 8-10 knots in normal weather, and carried fuel, water, and food for at least 30 days at sea.

The Canadian vessels usually carried a crew of five (captain, mate, engineer, cook, and deckhand) and two researchers during 1958-67. A crew of six and one researcher then permitted longer hours of vessel operation during 1968-74. The U.S. vessels typically carried a crew of four (captain, engineer, deckhand, and cook), along with three or four researchers led by a permanent seal scientist who always remained with the vessel. On the vessels of both countries, the crew worked closely with the scientists in all operations (e.g., sighting, tracking, shooting, and recovering seals).

Table 1 summarizes vessel specifications and survey information.

Collecting Seals

Daily Preparations

A typical day of sealing started near daylight (0600-0700) and lasted 10-12 hours. The U.S. usually used binoculars (7x50 power) to sight seals while Canada seldom used them. A watch for seals was kept during daylight hours whenever the weather permitted. In preparation for hunting, shotguns (12 gauge) and ammunition (00 buckshot) were put on the bow of the vessel (U.S.). A waterproof notebook was placed on the observation deck to record sightings of fur seals and other marine mammals, and binoculars were placed nearby. Several gaff

Fig. 1. Canadian purse seiner typical of the vessels used by both countries for seal research during 1958-74.

hooks, each with several needle-sharp prongs and attached to 3.6-4.8 m (12-16 ft) bamboo or aluminum poles, were positioned (and sharpened if necessary) for retrieving seals. Wooden clubs were conveniently placed for use on the occasional live seal brought aboard.

Hunting from a Vessel

The following sequence was typical:

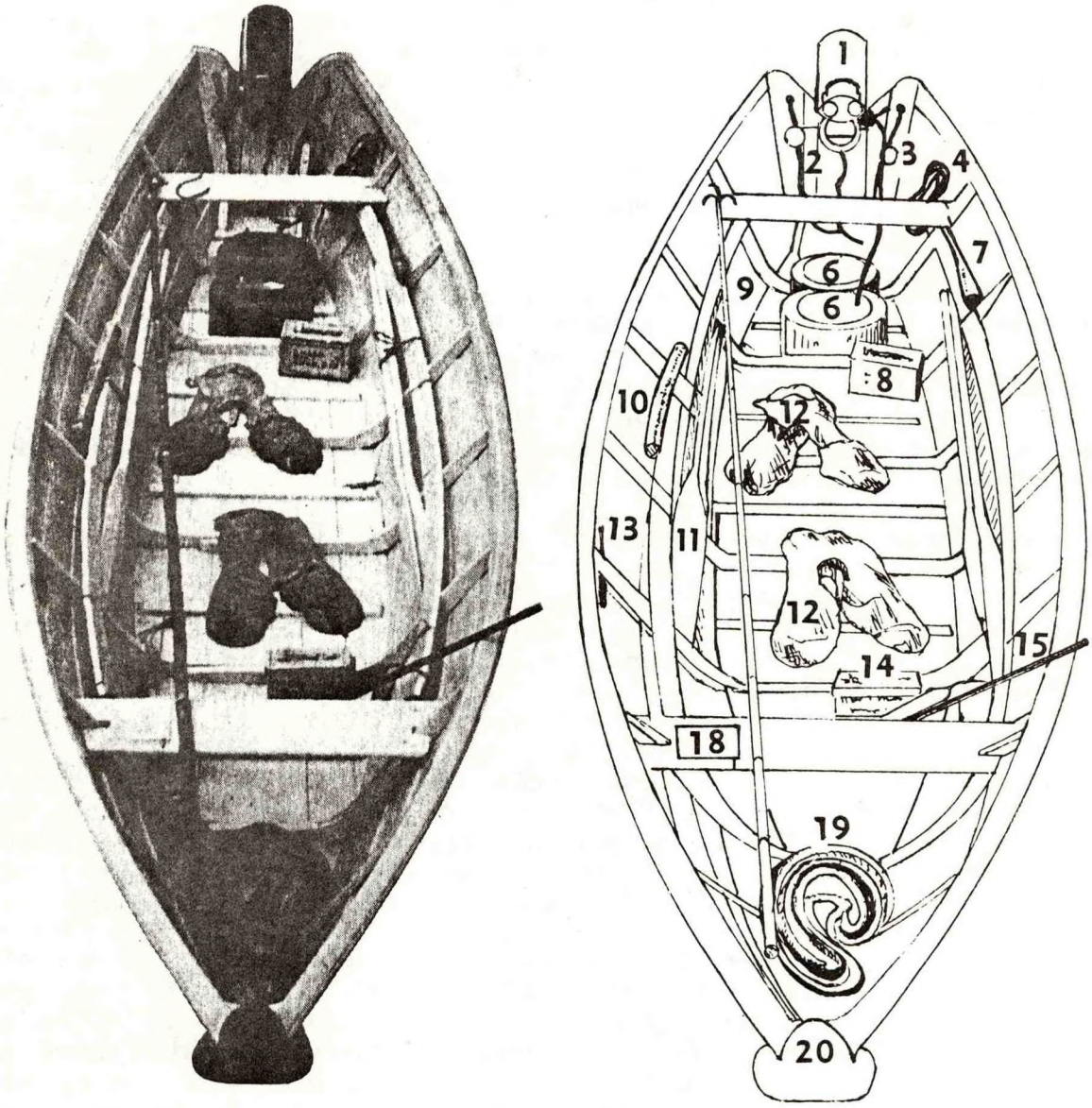
- With the vessel on course, a seal was sighted by the port or starboard watch (winds over 15 knots made it difficult to sight or collect seals).
- The time of sighting and the vessel heading (including course changes) were recorded. The helmsman brought the vessel into the best position for shooting.
- Following a kill, the helmsman maneuvered the vessel to pick up the seal at the bow (delay greatly increased the risk of a lost specimen due to sinking).
- The seal was secured at the bow by the long-handled gaff (sometimes a seal was retrieved by throwing the gaff with a line attached). The seal was then "walked" back along the side of the vessel where an assistant secured it with a second gaff and both men hauled it aboard to be identified with a tag bearing an individual collection number.
- The vessel resumed its course.

Hunting from a Dory

From the U.S. vessels, especially during 1958-63, one or two small boats or dories were put overboard on calm days in order to increase the numbers of seals collected during those years of quotas (Canada rarely used this method of hunting). Two men were in a dory, one to steer and the other to shoot. The dories were powered by 10-HP outboard motors and were better for hunting than the larger vessels because they were more maneuverable and the seals allowed them to approach more closely.

Fig. 2 shows a dory and a complete list of equipment. Short handled gaffs were used to bring seals aboard. A club and sticking knife also were carried. Life preservers were worn at all times in the dories; emergency food and water were carried. Portable two-way radios were used to coordinate movements between the vessel and the dories. On occasion a dory was directed to seals by the vessel.

When convenient numbers of seals were obtained (usually 10-20), the dory returned to the vessel and unloaded. As the seals were collected in a dory, the time of collection was recorded and



CONTENTS OF ONE 19 ft. SEALING DORY, 6 ft. BEAM

1. 10 hp. outboard motor
2. stern lift line
3. motor safety line
4. 20 feet of ½ inch nylon stern line
5. 1 watt radio (not shown)
6. 6 gallon gas tanks
7. seal club gaff
8. small boat emergency kit: 1 box rations, 1 quart water, 1 signal flag, 1 pliers, 1 screwdriver, 1 crescent wrench, 1 pocket compass, 2 sparkplugs, 2 shearpins, 1 emergency flare.
9. 15 foot bamboo gaff
10. radar reflector screen
11. oars and oarlocks
12. lifejackets
13. sticking knife
14. ammunition box: 100 rounds of 00 buckshot
15. 12-guage shotgun
16. boat bailer (not shown)
17. flotation jackets can be used in place of lifejackets (optional--not shown)
18. waterproof notebook and pencil
19. 30 feet of 1 inch Manila bow line
20. bow lift line

Fig. 2. Dory and equipment used on calm days to supplement seal collections from the vessels; the main use of dories was by the U.S. during 1958-63 to help fill the collection quotas set by the 1957 Convention.

notches were cut from the flippers in accordance with the collection sequence (i.e., one notch was cut on the first seal, two on the second, and so forth). When the transfer to the larger vessel was completed, tags were applied and the tag numbers were recorded in the same way as with seals hunted from the vessel.

Processing Seals

Seals were processed as soon as possible after they were taken aboard. They were easier to work on before rigor set in, especially when taking length measurements, and it was important to preserve the stomach contents and other organs or tissues in the best possible condition. Usually two (U.S.) or three (Canadian) men obtained and recorded data from the same seal (see "Keeping Records" for specific explanations and data forms).

The following description of the processing sequence relies mainly on the U.S. account.

1. The seal's tag number and other information associated with its collection were checked and recorded.
2. Sex of the seal was determined and it was examined for Soviet or U.S. tags, checkmarks[1/], or other noticeable irregularities. Gooseneck barnacles, algae, unusual scars, and oil are a few of the irregularities encountered. Barnacles and algae were preserved in 10 percent formalin for later identification. The sex and any tag number or checkmark were recorded.
3. Length was determined by dropping the seal on the measuring board (cradle) with its back down and head towards the "0" end of the board. On U.S. vessels after 1967, the snout was not stretched to touch 0: the total distance from 0 to the tip of the tail was noted, and the distance between the tip of the snout and 0 was then substracted from this total to give the length of the animal (see Item 8 below for fetal measurements and "CHANGES IN METHODS AND NOMENCLATURE" for changes in procedure). Care was taken not to stretch the animal and, as noted above, to take measurements as soon as the seal was brought aboard the vessel and before rigor set in.

1/ A checkmark is a notch, slit, hole, or other mark purposely made on a seal flipper, often applied to pups in conjunction with a tag, to improve the chance of later recognition of the animal in case of tag loss (flippers without tags were marked on the Pribilof Islands during 1969-75).

4. The seal was weighed with spring, torsion, or platform scales (usually to the nearest 0.5 kg).
5. The snout with upper jaw (both countries) and lower jaw (U.S. only) were removed, taking care not to cut or damage the roots of the canine teeth. These parts were identified with a tag corresponding with the seal's identification tag, then dried (U.S.) or stored in coarse salt (Canada) to be returned to shore for age determination in the laboratory.
6. The condition of the nipple crypts was noted on females collected in the Bering Sea and adjacent areas from June to September or October, when collections were made near the breeding islands during and after the breeding season. Clean nipple crypts indicated recent nursing; dirt in nipple crypts indicated that an animal had not recently nursed. Nipple crypts were examined before the animal was skinned or cut open.
7. The abdominal cavity was opened. Reproductive condition (nulliparous, primiparous, multiparous) of the females was determined from field examination of the uterine horns (U.S.) until 1962; also, the ovaries of seals collected in late spring, summer, and autumn were examined superficially for ruptured follicles aboard the vessel until 1962. After 1962, the entire female genital tract was removed, a waterproof label (seal number) was fixed to it, and the tract was then placed on a metal stretcher to harden and was preserved in 10% formalin for later examination in the laboratory. Reproductive tracts were brought back to the laboratory from Canadian vessels during all years (1958-74).
8. The presence or absence of a fetus was determined. If absent, the appropriate reason (non-pregnancy, abortion, or resorption) was noted. If a fetus was present, its sex, length (tip of snout to tip of tail) and weight (to the nearest 50 g) were determined. Fetal length was obtained by placing the nose against the "0" mark in the measuring cradle. Small embryos collected in December or early January, however, were preserved with the reproductive tracts and taken ashore to the laboratory where crown-rump length (to the nearest mm) instead of snout-tail length and weight (to the nearest g) were determined. See "CHANGES IN METHODS AND NOMENCLATURE" for changes in procedure.
9. The stomach was tied off above the cardiac sphincter (esophagus area) and below the pyloric sphincter (intestine area). An identifying tag was attached to the stomach which was then injected with 10 percent formalin with sea water to stop digestive action, and stored in a barrel of formalin for later laboratory examination.

10. A final check was made of parts (including any special requests for organs, glands, or other parts) and of the Field Record of Fur Seal (see "Keeping Records") to be sure all activities were completed.
11. The carcass was thrown overboard.

Cleanup Procedures

At the end of the day, all equipment used for processing the seals was put away. The Field Record of Fur Seal cards (wiped of excess moisture), scales and writing equipment were put inside the cabin. The injected stomachs were collected and stored below in barrels containing a 10% solution of formaldehyde and sea water. Seal snouts were taken below and stored in 5-gal cans. All knives and tools were cleaned, sharpened, and put into the deck box. The deck was washed often during the day before the blood dried and hardened.

Also at the end of the day, the guns were unloaded, brought inside, cleaned and oiled, and placed in the gun rack (guns were sprayed with antirust compound before each day's use). The ammunition was brought inside; if wet, it was dried off and the ammunition boxes were also dried. The field notebook and binoculars were brought inside. Gaffs were put into the dories and secured.

Keeping Records

The position of the vessel was recorded (by the captain) hourly and when course changes were made. The biologist-in-charge maintained a field notebook during the day of the following information: time and position at beginning and end of day's observations, courses changes, and related navigational notes; time, position, and number of seals sighted; record of seal collections including tag numbers; time and position of other marine mammal and bird sightings (birds of unusual interest at sea, land birds, etc.); weather notes; water temperatures; visibility; behavior notes including: action of animal (or animals) when first seen, i.e., sleeping, resting (awake but not on the move), feeding and swimming (traveling); distance of animal or animals from vessel when abeam; size of animal and color of whiskers (small, adult, black-whiskered, white-whiskered). Below is an example (U.S.) of a typical day's entries:

17 January 1967	
0800	Underway from Neah Bay
0825	Waada I. abeam course 285°T
0906	Duntze Rk. Buoy c/c 252°T
1000	WT 9°C, 100 fms., Prtly. Cloud, Wind NW5
1030	3 Right Whale 60 fms.
1038	1 FS, sleeping, 50 yds., small
1203	4 FS, sleeping, 100 yds., small
1342	c/c to 270°T. 28 miles W of Wash. coast
1600	WT8, BT, overcast, Wind NW10
1715	Watch secured

Key	
FS	fur seal
WL	wounded & lost
KS	killed & sunk
c/c	course change
WT	water temperature
mag.	magnetic
T	true
#123	seal collection no.
SSL	Steller sea lion
fms	fathoms
BT	bathythermograph

Pertinent information was then transferred each evening to a Record of Mammals and Birds Observed at Sea (U.S.) or Daily Record (Canada) as shown in Fig. 3. Also at the end of the day, locations (which had not already been logged exactly) of seal collections and sightings of seals, other marine mammals, and birds were approximated from wheelhouse plots and notations including time notations, vessel heading and speed, and known positions recorded by the captain. All locations and related information (e.g., water temperatures taken when seals were collected) were entered on the individual Field Record of Fur Seal (U.S.) or Record of Fur Seal (Canada) as shown in Fig. 4. The latter forms were used to record the biological data from individual seals processed during the day.

Visibility at sea was highly variable and this influenced the sighting data (not tabulated here). Depending on conditions and the vessel's course, visibility varied in extreme cases from a few yards on one side of the vessel to 1/4 mile (0.4 km) on the other. The biologist-in-charge attempted to account for such differences when coding visibility (Code 1, 2, 4, 8, or 16) as the reciprocal of twice the distance (in miles) at which a seal could be seen off one side of the vessel (e.g., Code 1 = visible at 1/2 mile (0.8 km) Code 16 = visible at 1/32 mile (0.05 km)).

Beaufort Scale a.m. ..... p.m. .....

DAILY RECORD

Date .....

Time	Position Longitude	Position Latitude	Seals Seen	Seals Lost	Seals Taken	Field #	S/T C	VF		Remarks

RECORD OF FUR SEAL

Date..... Hour..... Field No.....

Location.....

No. in group..... Water temp. .....°C. Tag/Notch .....

Length .....cm. Weight.....kg. Sex..... Age.....

General reproductive status: Sterile.....

Nulliparous..... Primiparous..... Multiparous.....

Immature..... Pregnant?..... Sterile ovulation.....

Path..... Abortion..... Resorption.....

Fetus: Sex..... Left Horn..... Right Horn.....

Length.....cm. Weight .....kg.

Parts saved: Snout..... Stomach..... Hide.....

Skull..... Fetus..... Ovaries..... Testes.....

Stomach contents: Empty.....

With food, volume.....cc. Weight.....kg.

FOOD	NUMBER	VOL. (CC.)	VOL. (%)

REMARKS:.....

.....

.....Recorder

FIELD RECORD OF FUR SEAL

ADULT: Cruise number _____ Vessel _____ Field number _____

Date collected _____ Location (state) _____
Example: 18 November 1969

Distribution Sq.: Horiz ____ Vert ____ : _____ N., _____ W.

Time _____ Water Temperature _____ °C Sex____ Age _____
Example: 1430 Nearest degree

Number in group _____ Tag _____

Length _____ cm (nearest) Weight _____ kg.
(one decimal, zero or number)

Nulliparous _____ Primiparous _____ Multiparous _____

Ovaries: left ___ right ___ Follicle size: left ___ (mm) right ___ (mm)

Uterine horn condition: (L) ___ (R) ___ Nulli young (L) ___ (R) ___

Nulli mature (L) ___ (R) ___ post partum (L) ___ (R) ___

nonpregnant parous (L) ___ (R) ___

Nipple crypts: clean ____ dirty ____ Visibility _____

FETUS: (yes) ____ (no) ____ Normal _____ Aborted _____ Resorbed _____

Sex _____ Length _____ cm. Weight _____ grams
(one decimal, zero or number)

REMARKS: _____

Parts saved: Snout _____ Stomach _____ GT _____

Other _____

Initials of examiner _____

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Fig. 4. Forms used by the U.S. (lower) and Canada (upper) to record biological data collected from individual seals processed aboard the research vessels.

Wind velocity was estimated from the Beaufort Scale as shown below:

Beaufort No.	Seaman's description of wind	Deep sea signs	Miles per hour (statute)†	Miles per hour (nautical)	Meters per second	Equivalent pressure in millibars* (10^3 dynes per cm^2)	Terms used in U. S. Weather Bureau forecasts
0	Calm	Sea smooth as a mirror	Less than 1	Less than 1	Less than 0.3	Less than 0.005	
1	Light air	Small wavelet like scales; no foam crests	1–3	1–3	0.3–1.5	0.005–0.03	Light.
2	Light breeze	Waves short; crests begin to break	4–7	4–6	1.6–3.3	0.03–0.1	
3	Gentle breeze	Foam has glassy appearance, not yet white	8–12	7–10	3.4–5.4	0.1–0.2	Gentle.
4	Moderate breeze	Waves now longer; many white horses	13–18	11–16	5.5–8.0	0.2–0.5	Moderate.
5	Fresh breeze	Waves pronounced and long; white foam crests	19–24	17–21	8.1–10.7	0.5–1.0	Fresh.
6	Strong breeze	Larger waves form; white foam crests all over	25–31	22–27	10.8–13.8	1–1.5	Strong.
7	Moderate gale	Sea heaps up; wind blows foam in streaks	32–38	28–33	13.9–17.1	1.5–2	
8	Fresh gale	Height of waves and crests increasing	39–46	34–40	17.2–20.7	2–3	Gale.
9	Strong gale	Foam is blown in dense streaks	47–54	41–47	20.8–24.4	3–4.5	
10	Whole gale	High waves with long overhanging crests; large foam patches.	55–63	48–55	24.5–28.3	4.5–6	Whole gale.
11	Storm	High waves; ships in sight hidden in troughs	64–75	56–65	28.4–33.5	6–8	
12	Hurricane	Sea covered with streaky foam; air filled with spray.	Above 75	Above 65	33.6 or above	Above 8	Hurricane.

LABORATORY METHODS

Age Determination

The canine teeth collected at sea were removed from the jaw by boiling; trisodium phosphate or potassium hydroxide was added to the water to help clean the teeth. The ages of most young fur seals through age 6 yr were determined with high accuracy by counting the external growth ridges on the upper canine teeth. For older seals (as well as those younger ones with indistinct external ridges on the teeth), however, the ages were determined from longitudinal half-sections on which annual growth in the dentine was identified by counting the alternate clear and opaque layers under transmitted (U.S.) or reflected (Canada) light.

The canine teeth were first sectioned to approximately the longitudinal midline plane by cutting with a bandsaw (U.S.) or by grinding (Canada). Lapidary equipment (utilizing grinding wheels of various coarseness) was used to grind as close to the midline as possible, then polishing compounds were applied to prepare the sections for age readings (the techniques differed slightly between countries). The plane of cut and amount of grinding were critical in obtaining readable annual growth lines in the teeth of older animals where reduced growth causes narrow annuli, but less critical in teeth from young animals (age <6 yr) where rapid growth results in the deposition of relatively wide annuli. Improper grinding may obscure or destroy the annuli of older teeth.

Annuli were counted with the aid of magnifiers, high intensity lamps, and dissecting microscopes. All teeth were examined by two or three scientists (U.S.); repeated examinations and conferences were sometimes necessary to reach decisions.

Reproductive Condition

Laboratory examination of female reproductive organs consisted of a thorough macroscopic examination of the uterine horns and ovaries. The ovaries were sliced (1-2 mm thickness) and examined for Graafian follicles (size and ovulation), corpora lutea, and corpora albicantia. The uterine horns were examined for evidence of current and past pregnancies. In a non-pregnant horn, the outer surface was checked to determine whether it had stretched and later contracted as a result of pregnancy, this being indicated by narrow longitudinal corrugations by contrast with a smooth outer surface suggesting no previous pregnancy. The uterine horn was also cut longitudinally to expose the rugae which line the uterine lumen. These were checked for evidence of placentation as indicated by orange discoloration or by numerous breaks in the longitudinal rugae in the placental region. Again, only those female reproductive organs which the biologist could not classify in the field were labeled and preserved during 1958-62 for laboratory examination by the U.S., while Canada saved reproductive tracts during all years for laboratory examination as did the U.S. after 1962.

Stomach Contents

The platform scale was calibrated before daily use and was checked at various times throughout the day to insure correct weights of stomach contents. The following is from the U.S. account.

The stomach was cut open along its entire length; the cut was done carefully so food organisms would not be damaged. "Dry" stomach contents (i.e., whole fish) were placed directly in a weighing pan; "wet" contents (i.e., partially digested) were placed in a sieve pot to drain off excess liquid before being transferred to the weighing pan. The stomach lining was rinsed in order to obtain all food particles (e.g., otoliths and squid beaks sometimes were trapped in the stomach wall folds). Excess fluid was drained from the weighing pan before each weighing. Large stomachs and volumetric measurements required two or more weighings.

The specimen number was recorded on the food card (Fig. 5) when the seal stomach was opened; the total weight and volume of

FOOD HABITS — FUR SEALS

PAGE ____

Card I.D.	Cruise No.	Field No.	0 1 2	Total Stomach Contents		Identification and volume of individual food items				
				Volume (cc)	Weight (gms.)	Food Code	Volume (cc)	SCIENTIFIC NAME	No. Items	Percent Volume
1	2 - 3	4 - 7	8	9 - 12	13 - 16	17 - 79				

Roundworms (Yes)___(No)___

COLLECTION DATA

Date collected _____ Water Temp. °C _____ Date examined _____

Hour Collected _____ Sex _____

Area / vessel _____ Age _____ Location examined _____

EXAMINED BY:

_____ FIELD NUMBER

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Fig. 5. Food card (U.S.) used to record the results of stomach examinations. Data were then keypunched directly onto data processing cards.

the contents were then recorded and the contents were identified. When two or more species could not be easily separated, the examiner estimated their proportionate volume to the nearest 5%. The weight and volume of each species were calculated by multiplying estimated percentages by the total weight or volume.

Stomach contents weighing less than 10 g (of digested fish or squid remains, otoliths, squid beaks and pens, or vertebral fragments) usually were recorded as "trace" amounts; if whole specimens or fleshy parts were present, however, weight was taken. For contents weighing 100 g or less, the volume was not measured but was assumed to be of the same density as water (e.g., if weight was 65 g , volume was assumed to be 65 cc). Non-food items (e.g., rocks, pebbles, and shells) were not entered on food data sheets as part of total weight and volume. Stomach content volumes (cc) were obtained by the water displacement method in large graduated beakers capable of holding 2000 cc.

Specimens were identified by comparing them to known skeletal material or preserved whole specimens in the laboratory collection, and by using appropriate keys for fish and cephalopod identification. Direct counts of complete specimens, squid beaks (dorsal and ventral), and fish skeletal remains (e.g., whole skulls, skull parts, otoliths, or vertebral segments approximating a complete fish skeleton) were used to estimate the numbers of squid and fish in the stomach. Length and weight measurements were taken from whole specimens or intact parts (e.g., total length of vertebral column of fish, snout to hypural plate, mantle length of squid) in order to acquire information about the size of prey (not tabulated here).

CHANGES IN METHODS AND NOMENCLATURES

The methods used initially were based on the experience gained during the 1952 expedition and the 1955 trip by the U.S. to the Bering Sea. Major changes made by the U.S. since 1958 are listed below to aid in evaluation of the data.

1. Length measurement (tip of nose to tip of tail):
   a. 1958-1967 - The measurement was taken by placing the seal on its back in a measuring cradle and placing the tip of its nose at the zero mark, then reading the number at the tip of the tail to obtain the measurement.
   b. 1968-1974 - The seal was picked up by both hands and dropped onto the measuring cradle (on its back). The length at the tip of tail was noted, then the distance between tip of snout and zero were subtracted from this total to give the length of the animal. Method (b) provides the best length measurement.

2. Weights (fetal):
   a. 1958-1970 - Fetal weight was taken using a 10 kg counter scale.
   b. 1971-1974 - Fetal weight was taken using both counter scale and hand-held beam scale. Beam scales graduated from 0 to 500 g, 500 g to 2 kg, and 2 to 5 kg were used. Greater accuracy at sea was obtained from the beam scales than from the counter scales.
3. Canine tooth collection:
   a. 1958-1964 - The upper right canine tooth was taken for determining age; if it was damaged, the upper left canine was taken.
   b. 1965-1966 - Both upper canine teeth were taken for age determination.
   c. 1967-1974 - All canine teeth (both uppers and lowers) were taken for age determination.
4. Female reproductive organs:
   a. 1958-1962 - Only those female reproductive organs which biologists could not classify in the field were preserved for examination in the laboratory.
   b. 1963-1974 - All female reproductive organs were preserved. A preliminary diagnosis was made in the field and verified later in the laboratory where a thorough macroscopic examination of the uterine horn and ovaries was made.
5. Food species name changes:

Current name	Former name	Year changed
Fish		
Entosphenus tridentatus	*Lampetra tridentata*	1970
Paralepis atlantica	*Magnisudis barysoma*	1968
Theragra chalcogramma	*Theragra chalcogrammus*	1970
Trachipterus altivelis	*Trachipterus trachypterus*	1966
Brama japonica	*Brama rayi*	1970
Sebastes spp.	*Sebastodes* spp.	1970
Sebastes alutus	*Sebastodes alutus*	1970
Sebastes entomelas	*Sebastodes entomelas*	1970
Sebastes jordani	*Sebastodes jordani*	1970
Squid		
Onychoteuthis borealijaponicus	*Onychoteuthis banksii*	1972
Octopoteuthis spp.	*Octopoteuthis sicula*	1972
Gonatus spp.	*Gonatus fabricii*	1969
Berryteuthis magister	*Gonatus magister*	1970
Gonatopsis borealis	*Gonatopsis* spp.	1964
Chiroteuthis spp.	*Chiroteuthis veranyi*	1978
Octopus		
Octhoe tuberculata	*Tremoctopus* spp.	1972

Table 1a. Summary of vessel and survey information from fur seal research in the Eastern Pacific by Canada and the United States during 1958-74. A dash (--) means information was not readily available; an asterisk (*) refers to a previous entry.

Year	Country, vessel name and type	Length, beam, and draft (ft)	Horse-power	Fuel capacity (gal) and consumption (gal/hr)	Speed (knots)	Gross tons	Area	Period, no. days, and no. boat-hunting days 1/	No. seals collected
1958	Canada								
	Hillier Queen - seiner	48,14,6	135	450,6	10	30	Southwest Vancouver Island	Feb.-Apr.,58,3.5	66
	Pacific Ocean - seiner	72,21,10	290	4800,10	10	105	Washington-Gulf of Alaska	Mar.-July,143,51.7	436
	United States								
	Lindy - halibut seiner	72,—,—	—	—	—	—	Gulf of Alaska	Feb.-June,160,—	589
	Trinity - halibut schooner	65,17,8	135	—	—	60	California-Gulf of Alaska	Feb.-June,162,—	474
	Tacoma - seiner	72,21,11	240	—	9	112	California-Washington	Feb.-April,95,—	440
1959	Canada								
	A.P. Knight - seiner	76,22,9	325	6500,15	11	114	Hecate Strait	Jan.-Feb.,9,1.6	29
	Pacific Ocean - see 1958	*	*	*	*	*	Washington-Gulf of Alaska	Mar.-June,117,58	462
	United States								
	Harmony - seiner	70,19,9	200	—	9	90	California-Washington	Jan.-April,104,—	510
	Tacoma - see 1958	*	*	*	*	*	California-Washington	Jan.-April,105,—	681
	Morning Star - seiner	104,19,10	300	—	12	143	California-Washington	Jan.-April,96,—	357
1960	Canada								
	Pacific Ocean - see 1958	*	*	*			Washington-Hecate Strait	Mar.-May,87,47.2	512
	United States								
	Windward - seiner	73,22,10	300	—	9	116	Gulf of Alaska-Bering Sea	April-Aug.,135,—	807
	Tacoma - see 1958	*	*	*	*	*	British Columbia-Gulf of Alaska	Mar.-June,103,—	688
1960-61							California-Washington	Dec.-April,149,—	1022
1961	Canada								
	Pacific Ocean - see 1958	*	*	*			Washington-Hecate Strait	Feb.-June,109	
	A.P. Knight - see 1959	*	*	*			Southwest Vancouver Island	April,9	486
	United States								
	Harmony - see 1959	*	*	—	*	*	Washington-Gulf of Alaska	Jan.-April,98,—	320
1962	Canada								
	Pacific Ocean - see 1958	*	*	*	*	*	Vancouver Island-Gulf of Alaska	Feb.-May,111,25.6	236
	T.W. Islander - fish packer	108,18,9	800	3500,25	13	139	Gulf of Alaska	June,28,14.1	265
	United States								
	Tacoma - see 1958	*	*	*	*	*	Western Alaska-Bering Sea	May-Sept.,154,—	1240
	Harmony - see 1959	*	*	*	*	*	Bering Sea	Aug.-Oct.,61,—	245
1963	Canada								
	T.W. Islander - see 1962	*	*	*	*	*	Vancouver Island-Gulf of Alaska	April-July,105,24.1	260
	A.P. Knight - see 1959	*	*	*	*	*	Hecate Strait	March,12,—	0
	United States								
	Tacoma - see 1958	*	*	*	*	*	Bering Sea	July-Sept.,92,—	800
	Harmony - see 1959	*	*	*	*	*	Bering Sea	July-Sept.,92,—	555
1964	Canada								
	T.W. Islander - see 1962	*	*	*	*	*	Vancouver Island	April-June,76,50.2	115
	United States								
	Harmony - see 1959	*	*	*	*	*	California-Washington	April-June,62,—	349
							Bering Sea	July-Sept.,93,—	544
1965	Canada								
	T.W. Islander - see 1962	*	*	*	*	*	California-Vancouver Island	April-June,68,12.0	43
	G.B. Reed - trawler (gov't)	177,36,26	1000	46000,50	11	769	Gulf of Alaska-Bering Sea	Nov.-Dec.,32,—	4
	United States								
	Harmony - see 1959	*	*	*	*	*	Washington	April,23,—	136
	St. Michael - seiner	72,20,10	380		10	100	California	April-June,106,—	283
1966	Canada								
	Belina - seiner	83,26,13	345	4000,13	10	139	Washington-Queen Charlotte Is.	March-May,79,20.4	249
	United States								
	Lynnann - whale catcher	126,24,11	1000	—	10	260	California	Jan.-March,68,—	387
	Pribilof - supply (gov't)	210,38,17	14000		12	1200	California	Feb.,43,—	57
							Bering Sea	Nov.-Dec.,14,—	0
1967	Canada								
	Pacific Venture - seiner	120,23,10	1200	9000,25	10	265	Washington-Vancouver Island	June,88,39.7	101
	United States								
	Pribilof - see 1966	*	*	*	*	*	Washington	Jan.-Feb.,55,—	9
	Tonquin - seiner	98,22,9	500	4000,—	9	200 2/	Washington	Jan.-Feb.,37,—	122
1967-68							Washington	Nov.-Feb.,83,39.25	374
1968	Canada								
	Belina - see 1966	*	*	*	*	*	Washington-Gulf of Alaska	March-July,112,42.1	500
	United States								
	New St. Joseph - seiner	74,24,11	340	5000,—	10	110	Gulf of Alaska-Bering Sea	May-Aug.,110,66.25	456
1969	Canada								
	Belina - see 1966	*	*	*	*	*	Washington-Vancouver Island	April-May,61,34.4	291
	United States								
	Tonquin - see 1967	*	*	*	*	*	Washington	Feb.-March,57,26.50	334
1970	Canada								
	Belina - see 1966	*	*	*	*	*	Washington-Vancouver Island	Jan.-March,83,22.2	118
	United States								
	Tonquin - see 1967	*	*	*	*	*	Washington	March-June,102,60	405
1971	Canada								
	Belina - see 1966	*	*	*	*	*	Washington-Vancouver Island	Feb.-April,91,26.5	206
	United States								
	Tonquin - see 1967	*	*	*	*	*		March-May,89,50.5	353
1971-72									
	Canada								
	Belina - see 1966	*	*	*	*	*	Vancouver Island	Dec.-Feb.,91,23.7	101
1972	United States								
	Tonquin - see 1967	*	*	*	*	*	Washington	March-May,87,43.75	257
1972-73									
	Canada								
	Belina - see 1966	*	*	*	*	*	Vancouver Island	Nov.-Feb.,91,14.4	45
1973	United States								
	Mark I - trawler	88,26,12	750	—	10	138 2/	Bering Sea	July-Sept.,61,32.75	675
1973-74									
	Canada								
	West Hawk - seiner	73,20,8	290	4000,15	10	102	Washington-Vancouver Island	Dec.-Jan.,62,8.8	42
1974	Canada								
	Pacific Venture - see 1967	*	*	*	*	*	Aleutian Islands	June-July,40,7.6	23
	United States								
	Pat San Marie - seiner	90,24,14	765	12000,—	12	—	Bering Sea	July-Sept.,60,37.50	376

1/ Total number of days in charter period and number of days the vessel was used for hunting and observing (1 day = 10 hours for Canada, 8 or more for the U.S.). Total boat-hunting days for all vessels when data are not given by vessel: 1958 - 222.00, 1959 - 169.75, 1960 - 146.75, 1961 - 134.50, 1962 - 106.50, 1963 - 83.75, 1964 - 80.50, 1965 - 59.80, 1966 - 63.00, and 1967 - 48.25.

2/ Net tons

Table 1b. Summary of pelagic fur seal research effort by area for the United States, 1958-74.

Area	Months of collecting 1/	Number of boat-hunting days 2/	Total seals collected
California	22	395	3,609
Oregon	3/ 15	52	143
Washington	37	359	2,726
British Columbia	3/ 8	48	93
Gulf of Alaska	20	246	1,816
Western Alaska	17	87	805
Bering Sea	30	359	4,653

1/ Total months when some pelagic research effort was expended

2/ The number of boat-hunting days is the number of hours actually spent hunting and observing divided by 8 and rounded to the nearest whole number.

3/ Mostly while going to or coming from other areas.

DATA TABLES

Areas, Times, and Numbering System

Fig. 6 shows the seven areas into which the Seattle Data Workshop divided the Eastern Pacific region. These were adopted as practicable for tabulating the data for most analyses. It was recognized that any studies involving very small areas would require either an unwieldy volume of tables or access to the data base. The areas shown in Fig. 6 are identified below:

Area number and name	Boundaries
1. California	32°N. to 42°N.
2. Oregon	42°N. to 46°N.
3. Washington	46°N. to 49°N.
4. British Columbia	49°N to 54°30'N. and 146°
5. Gulf of Alaska	54°30'N. to coast and 158°W., and 49° to 54°30' between 146° and 158°
6. Western Alaska	West of 158°W. and north of 49°N., and north to the Alaska Peninsula and Aleutian Islands
7. Eastern Bering Sea	North of the Alaska Peninsula and Aleutian Islands

Similarly, the Workshop adopted time periods of one month for tabulating all data except the length and weight of fetuses, for which 10-day periods were used.

The tables are numbered by the following general system:

First digit = type of data (2,3,...11)

Second digit = country of origin (1 = Canada, 2 = U.S.)

Third digit = area of collection as given above with the boundaries (south to north: 1 = California, ...7 = Eastern Bering Sea)

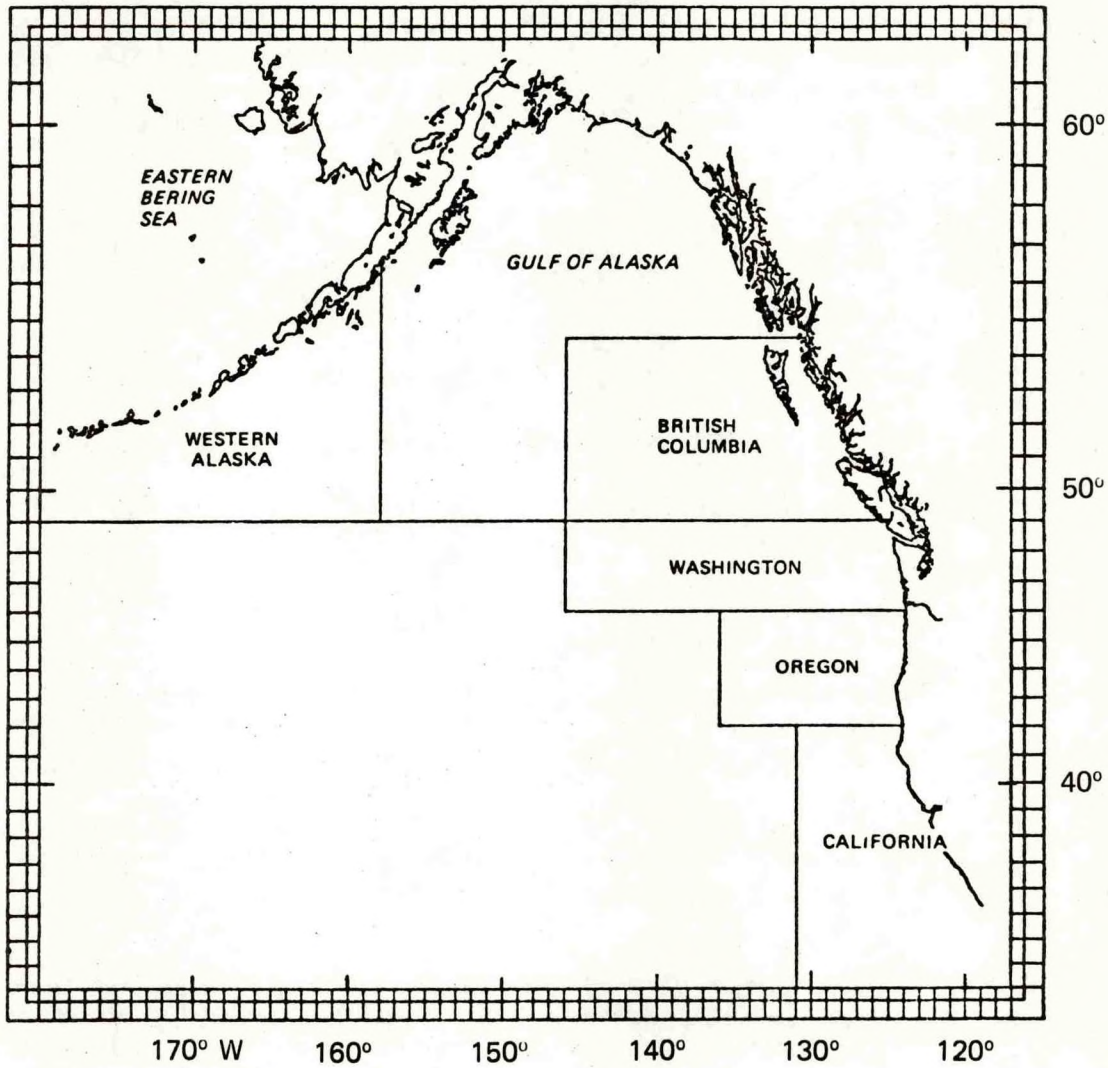

Fig. 6. Map of collection (and sighting) areas into which the Eastern Pacific region was divided for tabulating the data.

An example is Table 8.2.1, which gives length and weight data from pregnant females collected by the United States off California. Third digits do not appear in all table headings; for some types of data the areas are designated within the tables instead. These and other departures from the general system are evident in context, however, and a brief explanation introduces each different type of data.

All the Canadian data are given first in each table. Within a country of origin, all data from the most southerly area sampled are given before any data from the progressively more northerly areas are presented. All data collected within an area are ordered chronologically throughout its sampling history. This arrangement should facilitate the analysis of time differences by areas.

Age and Sex

Tables 2.1 and 2.2 give the age (yr) and sex composition; areas are designated within the tables, not in the headings. A standard practice of the Standing Scientific Committee (SSC) has been to assign a birthday on 1 January (thus only one pup, "P" in the tables, was collected: by the U.S. in the eastern Bering Sea during September 1964). To the few animals they collected during November and December, however, the U.S. and Canada assigned an additional birthday as if the animals were taken the following January. Some teeth saved from the few animals designated soon after collection as 10 or more years old ($\geq$ 10) have been read more accurately over the years. A few animals are of unknown age ("UNK") because the original or processed condition of the teeth did not allow age to be determined with certainty.

Table 2.1

Age and sex (M = male, F = female) of fur seals collected by Canada.

1965 - California

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1965 - Oregon

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	2	1	3	2	1	2	1	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
May																														
F	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

1958 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Feb.																														
M	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
F	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	7
March																														
M	0	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
F	0	32	0	2	1	0	2	5	4	3	3	1	1	2	2	1	0	4	1	0	0	0	0	0	0	0	0	4	1	69
April																														
M	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	4	0	0	0	1	0	0	0	1	1	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	10
May																														
M	0	10	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
F	0	15	5	14	10	6	8	9	2	2	0	1	3	1	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0	80

1959 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	8	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
F	0	13	2	0	4	7	2	6	7	8	3	0	1	1	1	0	2	2	1	0	0	0	0	0	0	0	0	0	3	63

1959 - Washington (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	>10	UNK	TOTAL
April																														
M	0	9	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
F	0	14	10	0	5	9	14	13	14	11	4	0	3	4	0	3	6	1	0	0	0	0	0	0	0	0	0	0	5	116
May																														
M	0	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
F	0	18	7	1	5	8	7	6	3	4	1	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64

1960 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	>10	UNK	TOTAL
March																														
M	0	4	6	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16
F	0	1	13	12	5	7	8	7	8	11	12	2	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	3	3	100
April																														
M	0	3	6	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
F	0	6	14	16	4	12	13	21	23	19	14	3	8	3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	2	165
May																														
M	0	11	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
F	0	6	25	24	6	9	11	17	12	6	3	2	1	1	1	2	0	0	1	0	0	0	0	0	0	0	0	1	0	128

1961 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	2	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
F	0	16	5	3	6	1	2	1	3	3	3	0	3	1	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	52
April																														
M	0	7	9	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	31
F	0	14	11	9	19	8	10	4	13	9	4	1	1	3	6	5	2	1	3	0	1	0	0	0	0	0	0	0	7	131
May																														
M	0	13	6	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
F	0	12	14	18	11	3	3	10	4	4	3	1	0	4	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	93
June																														
M	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
F	0	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	7

1962 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	14	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
F	0	5	1	0	3	1	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13

1962 - Washington (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	>10	UNK	TOTAL
April																														
M	0	15	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	23
F	0	22	1	11	12	10	1	4	0	2	0	1	1	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	71
May																														
M	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
June																														
M	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1963 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
May																														
M	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6
F	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

1964 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	0	0	1	4	1	4	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
May																														
M	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	1	2	0	1	1	1	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10

1965 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	0	1	2	1	1	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10

1966 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	33	6	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
F	0	38	0	6	15	11	6	9	5	1	2	3	0	2	3	0	2	0	0	0	0	0	0	0	0	0	0	3	0	106
April																														
M	0	5	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
F	0	12	4	6	3	4	4	1	8	2	5	1	1	2	2	0	0	1	1	0	1	0	0	0	0	0	0	0	0	58

1967 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	1	2	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	8
April																														
M	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
F	0	2	3	8	1	4	4	8	5	6	2	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	47
May																														
M	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	1	4	9	7	5	2	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	32

1968 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
F	0	20	1	3	4	0	2	0	3	0	3	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	39
April																														
M	0	20	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
F	0	12	8	18	21	8	8	7	10	10	10	5	5	0	2	0	1	0	2	2	1	1	1	0	0	0	0	0	0	132
May																														
M	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	1	1	1	6	3	3	1	0	1	0	1	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	22

1969 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	16	3	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
F	0	15	5	6	11	15	8	4	8	3	6	6	5	3	1	1	2	1	0	2	1	0	0	0	0	0	0	0	0	103
May																														
M	0	7	10	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
F	0	8	13	29	23	19	7	7	1	3	4	2	5	0	2	0	1	0	0	1	3	1	0	0	1	0	0	0	0	130

1970 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
F	0	1	0	2	4	3	9	6	5	3	7	3	4	5	3	2	0	1	2	1	1	0	0	0	0	0	0	0	0	62
Feb.																														
M	0	2	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
F	0	3	3	4	0	4	6	3	2	4	1	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
March																														
M	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	2	1	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7

1971 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	1	0	5	12	7	9	11	9	7	4	3	6	5	1	2	0	0	3	1	1	1	0	0	0	0	0	0	0	88
Feb.																														
M	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	2	1	3	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17

1971 - Washington (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	1	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
F	0	3	1	4	8	10	8	13	5	3	5	4	6	2	2	1	1	2	0	1	0	0	0	0	0	0	0	0	0	79
April																														
M	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	3	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7
Dec.																														
M	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	1	0	1	4	3	0	0	1	1	0	1	2	1	0	1	1	1	2	0	1	1	0	1	0	0	0	0	0	0	23

1972 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
F	0	6	0	4	3	9	5	7	4	3	2	1	4	0	2	0	2	0	0	0	0	0	1	0	0	0	0	0	0	53
Feb.																														
M	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	0	0	0	0	2	1	1	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	8

1972 - Washington (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	>10	UNK	TOTAL
Dec.																														
F	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1973 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
F	0	0	0	0	2	2	0	3	6	3	1	3	4	1	2	2	0	3	1	0	0	0	0	0	0	0	0	0	0	33
Feb.																														
F	0	0	0	0	1	1	1	2	0	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Dec.																														
M	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	0	0	2	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

1974 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	1	0	2	1	3	1	3	1	6	3	3	3	0	2	0	2	1	0	1	1	0	0	0	0	0	0	0	0	34

1958 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	22
F	0	33	1	3	5	1	3	3	1	4	1	1	3	3	5	3	1	4	0	0	0	0	0	0	0	0	0	1	1	77
May																														
M	0	11	5	7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
F	0	28	1	7	14	8	10	7	10	4	6	4	2	1	2	2	4	2	1	0	0	0	0	0	0	0	0	1	2	116
June																														
M	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	4	1	2	1	2	1	1	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	17
July																														
F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1959 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
F	0	9	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Feb.																														
M	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
F	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
March																														
M	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	4	0	0	1	0	2	2	0	2	0	0	1	0	1	1	2	2	1	0	1	0	0	0	0	0	0	0	1	21
May																														
M	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	2	0	3	2	3	3	1	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	18
June																														
M	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
F	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
July																														
F	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1960 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Feb.																														
F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
March																														
F	0	0	0	0	0	2	2	0	2	2	4	2	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	17
May																														
M	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
F	0	0	7	2	1	1	4	1	3	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	23
June																														
F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1961 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Feb.																														
M	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	1	2	0	1	0	1	1	4	4	5	0	3	3	3	2	4	1	1	3	0	1	0	0	0	0	0	0	2	42

1963 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	4	1	1	2	1	2	1	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	15

1964 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
April																														
M	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
May																														
M	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	3	2	3	4	1	2	2	1	1	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24
June																														
M	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
F	0	6	4	16	6	7	6	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	52

1966 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
May																														
M	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	0	4	3	7	4	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21

1967 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1968 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	0	4	7	8	5	8	1	0	2	2	2	1	0	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	44

1969 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1

1972 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
F	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1972 - British Columbia (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Feb.																														
M	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

1958 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
July																														
M	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	1	1	12	12	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32

1959 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
M	0	0	3	0	2	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
F	0	0	0	0	5	1	14	22	18	13	12	2	3	3	3	5	3	1	2	2	1	0	0	0	0	1	0	0	3	114

1962 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7
F	0	0	0	0	3	1	1	0	8	6	5	2	2	1	5	3	0	2	0	1	0	0	0	0	0	0	0	0	1	41
June																														
M	0	0	4	16	17	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
F	0	0	1	8	22	29	15	16	18	34	17	14	9	10	7	5	4	3	1	0	0	0	0	0	0	0	0	0	4	217

1963 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	0	2	0	2	1	0	0	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
June																														
M	0	0	3	7	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
F	0	0	0	2	8	10	14	8	9	7	11	16	22	12	15	15	14	4	4	2	2	1	1	1	0	0	0	0	1	179
July																														
M	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	1	0	3	4	4	3	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18

1968 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
M	0	0	13	26	15	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
F	0	0	3	11	26	14	17	9	6	9	10	3	1	3	3	0	3	2	1	0	0	0	0	0	0	0	0	0	0	121
July																														
M	0	0	2	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
F	0	0	1	6	8	4	2	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24

1974 - Western Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
July																														
M	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	0	0	0	0	1	4	0	0	2	0	0	0	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	14

1974 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
July																														
M	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

Table 2.2
Age and sex (M = male, F = female) of fur seals collected by the United States.

1958 - California

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Feb.																														
F	0	0	0	10	1	12	16	14	10	11	15	23	12	9	8	4	3	0	2	1	0	0	0	0	0	0	0	0	5	156
March																														
F	0	0	1	7	15	24	20	25	22	16	24	20	32	17	18	14	10	8	2	0	0	0	0	0	0	0	0	0	3	278
April																														
F	0	0	1	0	1	2	4	4	6	1	0	1	2	5	1	3	0	0	1	2	0	0	0	0	0	0	0	0	2	36

1959 - California

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	1	0	0	5	2	8	11	14	4	9	4	5	6	6	16	7	5	4	2	0	1	1	1	0	0	0	0	1	113
Feb.																														
M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	1	5	13	40	57	56	77	80	61	56	52	36	30	41	46	36	22	12	9	2	2	3	0	0	0	1	0	18	756
March																														
M	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	0	10	10	21	20	32	30	21	15	14	10	8	4	8	6	9	4	5	1	1	4	1	0	0	0	0	0	5	239
April																														
M	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
F	0	0	3	6	12	16	11	10	14	9	6	16	7	4	10	7	6	3	2	2	1	0	0	0	1	0	0	0	0	146

1960 - California

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Dec.																														
F	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3

1961 - California

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	0	2	26	19	20	13	34	45	45	45	32	25	31	27	28	14	9	8	3	2	1	0	1	0	0	0	0	1	431
Feb.																														
F	0	0	0	17	16	15	24	27	29	30	31	19	24	15	13	12	16	7	3	4	1	0	0	0	0	0	0	0	0	303
March																														
F	0	0	5	11	10	6	4	1	4	3	8	8	2	11	7	3	4	3	4	2	1	0	0	0	0	0	0	0	1	98
April																														
M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	0	0	1	0	0	0	2	1	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	8

1964 - California

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
F	0	1	6	6	11	10	10	4	6	1	3	4	6	2	5	7	4	3	2	0	4	0	0	0	0	0	0	0	1	96

1964 - California (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	3	4	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
F	0	8	14	23	16	17	14	5	7	5	13	11	13	4	9	6	7	10	7	2	2	0	0	1	0	0	0	0	1	195

1965 - California

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	1	3	3	6	2	5	2	1	4	2	4	3	1	2	0	2	2	0	0	0	0	0	0	0	0	0	0	1	44
May																														
M	0	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	3	2	11	21	6	7	5	9	5	3	6	9	3	6	8	5	6	3	2	1	1	0	1	0	0	0	0	0	123
June																														
M	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	0	1	17	20	6	7	5	5	7	3	4	2	4	1	4	3	1	3	0	0	0	0	0	0	0	0	0	0	93

1966 - California

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	0	2	6	4	4	7	8	1	1	4	4	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Feb.																														
M	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	4	1	17	28	27	14	22	17	9	7	9	10	5	10	6	4	1	0	1	0	1	0	0	0	0	0	0	1	194
March																														
M	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	3	4	11	36	38	17	17	19	10	5	10	3	3	3	6	1	4	0	2	1	0	0	0	0	0	0	0	0	193

1958 - Oregon

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	2	0	6	5	5	7	4	3	6	2	3	2	1	2	3	0	0	1	0	0	0	0	0	0	0	0	0	0	52

1959 - Oregon

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
F	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
March																														
M	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	3	0	1	2	1	1	1	0	3	0	1	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	18
April																														
M	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	1	2	2	1	4	0	3	3	0	0	3	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	23

1961 - Oregon

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	0	0	0	1	0	4	2	3	3	1	2	1	3	1	2	2	0	0	0	0	1	0	0	0	0	0	0	0	26

1964 - Oregon

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	0	2	3	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
May																														
F	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1958 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Feb.																														
M	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
April																														
M	0	6	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
F	0	14	1	6	3	1	3	7	5	9	4	4	4	6	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	73

1959 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
April																														
M	0	8	5	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
F	0	9	13	10	11	14	10	10	32	15	11	12	16	11	3	11	10	2	4	2	1	0	0	0	0	0	0	0	4	211

1961 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	1	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
F	0	3	0	4	4	0	2	0	3	3	6	3	2	3	2	3	4	0	4	1	0	0	0	0	0	0	0	0	0	47
April																														
M	0	6	10	14	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
F	0	8	10	25	42	27	13	29	16	27	15	15	15	8	12	14	6	4	1	0	0	0	0	0	0	0	0	0	0	287

1964 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	6	1	2	0	0	5	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	18
May																														
F	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
June																														
M	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

1965 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	6	3	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
F	0	6	2	20	27	8	19	13	16	3	2	4	1	0	1	2	2	1	2	0	1	0	0	0	0	0	0	0	0	130

1967 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
F	0	3	2	4	5	6	14	3	4	10	6	3	2	2	1	1	5	2	0	0	0	0	0	0	0	0	0	0	0	73
Feb.																														
M	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
F	0	3	1	6	4	3	6	4	3	2	5	1	1	1	0	2	1	0	0	0	1	0	1	0	0	0	0	0	0	45
Nov.																														
F	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Dec.																														
M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	3	7	11	4	4	10	8	8	3	5	5	1	1	2	2	0	2	2	1	0	1	1	0	0	0	0	0	0	81

1968 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	11	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
F	0	15	1	2	16	6	6	9	4	7	9	4	8	2	1	3	4	4	0	0	0	0	0	0	0	0	0	0	0	101

1968 - Washington (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Feb.																														
M	0	16	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
F	0	32	2	4	18	7	12	16	2	9	11	12	9	2	4	8	4	2	1	0	0	0	0	0	0	0	0	0	0	155

1969 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Feb.																														
M	0	7	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
F	0	11	0	5	10	7	8	11	10	1	9	13	7	4	3	1	1	5	3	0	0	0	0	0	0	0	0	0	0	109
March																														
M	0	10	5	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
F	0	20	6	14	22	16	15	16	12	4	12	13	17	7	4	3	4	2	1	2	0	0	0	0	0	0	0	0	0	190

1970 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
F	0	3	3	14	10	22	19	12	5	10	6	8	6	7	0	1	2	0	3	1	0	1	0	0	0	0	0	0	2	135
April																														
M	0	4	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
F	0	3	2	7	9	4	8	1	7	2	2	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
May																														
M	0	2	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
June																														
M	0	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
F	0	0	0	5	11	1	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	21

1971 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	3	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
F	0	2	1	6	15	7	8	7	7	5	5	5	7	4	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	83

1971 - Washington (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	2	3	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
F	0	8	4	16	14	9	11	11	6	3	6	1	6	4	2	4	0	2	3	0	1	0	0	0	0	0	0	0	0	111
May																														
M	0	15	9	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
F	0	11	9	17	27	8	7	5	2	3	7	4	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	106

1972 - Washington

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	2	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	5	0	4	4	10	7	5	7	4	7	7	3	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	71
April																														
M	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	1	2	3	7	8	6	4	7	5	5	2	1	3	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	60
May																														
M	0	1	4	7	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
F	0	2	9	8	6	18	13	11	6	4	5	6	4	1	1	3	2	1	0	1	0	0	0	0	0	0	0	0	0	101

1960 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
F	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
June																														
M	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
August																														
M	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1961 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Jan.																														
M	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
F	0	10	0	1	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Feb.																														
M	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	2	0	0	1	0	2	1	4	2	5	2	2	4	4	4	7	0	4	0	3	0	0	0	1	0	0	0	0	48

1961 - British Columbia (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
F	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	7

1968 - British Columbia

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1958 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Feb.																														
M	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
F	0	10	0	0	1	1	0	0	0	0	4	1	7	3	7	4	5	4	3	0	1	0	0	0	0	0	0	0	0	51

1958 - Gulf of Alaska (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	0	0	0	0	0	0	1	1	1	3	6	10	22	16	16	20	14	8	9	1	1	1	0	0	0	0	0	0	130
April																														
M	0	2	1	9	3	1	3	6	5	3	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
F	0	3	0	2	2	0	1	0	3	5	1	2	5	3	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	33
May																														
M	0	4	0	33	15	1	1	10	9	4	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	83
F	0	1	1	5	9	20	37	35	46	19	31	42	48	34	26	16	16	8	3	1	1	0	0	0	0	0	0	0	5	404
June																														
M	0	0	0	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
F	0	0	0	0	0	1	0	1	2	2	4	3	4	3	3	3	0	0	0	1	0	0	0	0	0	0	0	0	0	27

1960 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	20	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
F	0	11	1	0	1	0	1	4	3	5	9	7	7	20	20	10	15	14	5	5	1	3	0	0	0	0	0	0	3	145

1960 - Gulf of Alaska (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
April																														
M	0	3	5	4	1	2	1	0	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
F	0	1	0	4	2	3	4	9	17	23	30	35	30	30	21	21	4	12	2	1	0	1	0	0	0	0	0	0	4	254
May																														
M	0	3	5	12	4	1	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	32
F	0	1	1	3	15	11	8	22	37	44	46	44	41	36	34	27	17	12	7	8	3	1	0	0	1	0	0	1	2	422
June																														
M	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	0	0	0	0	0	0	1	2	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6

1961 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
March																														
M	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

1962 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1968 - Gulf of Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	2	8	9	5	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
F	0	0	1	3	5	4	2	6	3	4	3	5	6	7	5	1	5	3	2	2	2	1	1	0	0	0	0	0	0	71
June																														
M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	0	0	1	1	1	1	1	1	1	0	2	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	14
Aug.																														
F	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1958 - Western Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
M	0	1	0	9	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15
F	0	0	0	3	4	4	10	12	5	10	8	9	8	7	8	2	0	1	2	0	0	0	0	0	0	0	0	0	0	93

1960 - Western Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
M	0	1	4	8	2	4	1	2	0	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
F	0	0	0	1	1	3	3	3	16	20	13	19	11	9	8	3	8	5	3	1	0	0	0	0	0	0	0	0	3	130

1962 - Western Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
M	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
F	0	0	0	0	2	0	1	2	3	1	0	0	2	2	1	1	2	0	0	0	1	0	0	0	0	0	0	0	0	18

1962 - Western Alaska (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
M	0	1	2	12	4	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
F	0	0	0	12	23	21	13	26	29	21	15	11	16	8	4	6	7	3	3	0	0	0	0	0	0	0	0	0	1	219
July																														
M	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
F	0	0	0	1	7	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Aug.																														
M	0	1	4	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
F	0	1	13	26	17	7	1	5	1	1	0	2	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	78
Sept.																														
M	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F	0	0	6	5	6	2	0	0	0	1	3	0	2	1	1	0	0	2	1	0	1	0	0	0	0	0	0	0	0	31
Oct.																														
F	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

1968 - Western Alaska

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
M	0	0	1	11	2	3	0	2	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
F	0	0	0	0	7	3	9	10	13	4	7	9	6	3	5	7	2	6	3	2	1	0	0	0	0	0	0	0	0	97
July																														
M	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	0	1	4	4	2	1	2	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	17

1958 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
F	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

1960 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
M	0	0	4	6	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
F	0	0	0	1	3	4	2	6	2	12	1	4	1	0	1	1	1	0	2	0	1	0	0	0	0	0	0	0	0	42
July																														
M	0	1	10	13	3	1	5	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	39
F	0	1	0	6	9	25	17	16	19	32	16	21	9	17	21	3	6	2	3	2	2	1	0	1	0	0	0	0	3	232
Aug.																														
M	0	0	0	7	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
F	0	0	1	3	5	9	10	4	9	8	13	6	5	8	2	2	0	1	1	2	0	0	0	0	0	0	0	0	0	89

1962 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
May																														
F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1962 - Eastern Bering Sea (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
June																														
M	0	0	2	3	4	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
F	0	0	0	1	3	7	5	6	3	3	8	7	6	1	6	3	2	3	5	2	1	0	0	0	0	0	0	0	2	74
July																														
M	0	0	1	12	8	2	1	4	2	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
F	0	0	0	7	19	28	29	23	23	16	15	19	17	11	17	9	10	10	2	3	1	0	2	0	0	0	0	0	0	261
Aug.																														
M	0	0	8	5	2	0	1	3	4	2	1	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
F	0	0	7	22	39	34	15	20	21	26	39	34	38	27	20	24	25	20	13	8	5	2	1	0	1	0	0	0	3	444
Sept.																														
M	0	1	9	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
F	0	1	6	15	17	18	8	9	13	4	17	13	10	5	10	7	3	4	1	1	2	1	0	0	0	0	0	0	0	165
Oct.																														
F	0	1	2	3	4	5	0	1	4	0	3	5	3	3	4	1	2	1	0	1	0	0	0	0	0	0	0	0	0	43

1963 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
July																														
M	0	1	6	18	10	11	2	3	2	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	56
F	0	1	3	7	32	56	28	29	31	21	16	23	28	31	17	22	14	5	3	1	2	1	0	1	0	0	0	0	0	372
Aug.																														
M	0	2	26	7	4	4	0	1	3	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
F	0	0	17	44	80	102	60	44	54	38	53	64	63	44	40	51	31	23	9	4	9	3	0	1	0	0	0	0	13	847
Sept.																														
M	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	0	1	2	1	4	2	4	2	1	3	1	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	25

1964 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
July																														
M	0	0	2	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
F	0	0	0	18	13	20	10	6	7	2	8	2	2	8	8	3	2	2	5	2	1	0	0	0	0	0	0	0	0	119
Aug.																														
M	0	0	8	4	2	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
F	0	0	2	20	19	34	43	27	23	20	23	19	25	14	13	19	7	5	5	2	2	0	0	0	0	0	0	0	0	322

1964 - Eastern Bering Sea (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Sept.																														
M	0	1	2	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
F	1	0	5	2	0	3	0	0	2	2	2	8	3	4	3	4	2	2	1	1	1	0	0	0	0	0	0	0	0	46

1966 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Nov.																														
F	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1968 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
July																														
M	0	0	3	12	3	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
F	0	0	0	5	14	7	7	8	5	4	5	2	1	5	6	5	1	2	2	3	0	2	1	0	0	0	0	0	1	86

1968 - Eastern Bering Sea (Continued)

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Aug.																														
M	0	0	5	3	1	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	14
F	0	0	0	9	19	3	4	7	3	2	1	2	3	3	4	4	5	4	1	1	3	0	0	0	0	0	0	0	0	78

1973 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
July																														
M	0	0	3	7	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
F	0	0	0	1	4	8	23	20	20	23	16	12	13	10	8	6	5	4	1	0	0	0	0	0	0	0	0	0	0	174
Aug.																														
M	0	0	12	15	9	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
F	0	0	4	14	18	19	26	25	17	18	14	12	16	13	5	8	6	0	5	2	0	0	0	0	0	0	0	0	1	223
Sept.																														
M	0	0	4	10	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
F	0	0	6	21	17	17	18	21	14	16	18	16	10	8	7	5	7	0	0	0	2	0	0	0	0	0	0	0	1	204

1974 - Eastern Bering Sea

Month and Sex	Age																													
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
July																														
M	0	0	1	5	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
F	0	0	0	0	9	6	8	12	19	16	13	8	5	6	3	3	5	2	1	1	0	0	0	1	0	0	0	0	0	118
Aug.																														
M	0	0	15	4	4	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
F	0	0	5	9	17	18	16	29	19	16	17	10	4	3	5	2	1	2	0	1	0	0	0	0	0	0	0	0	0	174
Sept.																														
M	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
F	0	0	1	5	7	4	2	1	2	1	1	0	1	0	3	0	2	0	0	0	0	0	0	0	1	0	0	0	0	31

Pregnancy Rates

Tables 3.1 and 3.2 give age-specific pregnancy rates. Again, areas are designated within the tables (not in the headings) and the summary rate for animals age 10 yr and older is a convention from early years of the SSC.

The designation "pregnant" includes postpartum animals. Birth and impregnation peak by about mid-July, implantation is delayed until early November, and fertilization is difficult to detect until embryos and fetuses (or evidence of abortion or resorption) occur from December (when sampling was rare) until June. Postpartum animals were collected mainly in the Bering Sea while feeding (many or most were nursing animals also) during and after the breeding season; i.e., most were collected during July and August, but a few postpartum animals were taken in different years as early as June and as late as October. The point to be remembered in analyzing the data is that the year of tabulated pregnancy is the year of birth for most months of collection in any area.

Table 3.1
Age specific pregnancy rates of female fur seals collected by Canada.
(n = number of females examined, p = number pregnant, and % = percentage pregnant).

Age	California 1965			Oregon 1965						Washington 1958		
	May			April			May			February		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	3	0	0.0	0	0	-	0	0	-
4	0	0	-	2	0	0.0	2	0	0	0	0	-
5	1	0	0.0	1	1	100.0	0	0	-	0	0	-
6	1	1	100.0	2	0	0.0	0	0	-	0	0	-
7	1	1	100.0	1	1	100.0	0	0	-	0	0	-
8	0	0	-	0	0	-	0	0	-	0	0	-
9	0	0	-	1	1	100.0	0	0	-	0	0	-
10	0	0	-	2	2	100.0	0	0	-	0	0	-
11	0	0	-	2	2	100.0	0	0	-	0	0	-
12	0	0	-	1	1	100.0	0	0	-	0	0	-
13	0	0	-	0	0	-	0	0	-	0	0	-
14	0	0	-	0	0	-	0	0	-	0	0	-
15	0	0	-	0	0	-	0	0	-	1	1	100.0
16	0	0	-	0	0	-	0	0	-	0	0	-
17	0	0	-	0	0	-	0	0	-	0	0	-
18	0	0	-	0	0	-	0	0	-	1	0	0.0
Total	3	2	66.7	15	8	53.3	2	0	0.0	2	1	50.0
≥=10 only	0	0	-	5	5	100.0	0	0	-	2	1	50.0

Age	Washington 1958									Washington 1959		
	March			April			May			March		
	n	p	%	n	p	%	n	p	%	n	p	%
3	2	0	0.0	0	0	-	14	0	0.0	0	0	-
4	1	0	0.0	0	0	-	10	1	10.0	4	1	25.0
5	0	0	-	1	1	100.0	6	2	33.3	7	4	57.1
6	2	2	100.0	0	0	-	8	6	75.0	2	2	100.0

Age	Washington 1958 (Continued) March n	p	%	April n	p	%	May n	p	%	Washington 1959 (Continued) March n	p	%
7	5	4	80.0	0	0	-	9	6	66.7	6	4	66.7
8	4	4	100.0	0	0	-	2	2	100.0	7	7	100.0
9	3	3	100.0	1	0	0.0	2	2	100.0	8	8	100.0
10	3	2	66.7	1	0	0.0	0	0	-	3	3	100.0
11	1	1	100.0	0	0	-	1	1	100.0	0	0	-
12	1	1	100.0	1	1	100.0	3	3	100.0	1	1	100.0
13	2	1	50.0	0	0	-	1	1	100.0	1	1	100.0
14	2	2	100.0	0	0	-	0	0	-	1	1	100.0
15	1	1	100.0	2	1	50.0	1	0	0.0	0	0	-
16	0	0	-	0	0	-	0	0	-	2	2	100.0
17	4	4	100.0	0	0	-	0	0	-	2	2	100.0
18	1	1	100.0	0	0	-	0	0	-	1	0	0.0
Total	32	26	81.2	6	3	50.0	58	24	41.4	45	36	80.0
≥=10 only	15	13	86.7	4	2	50.0	7	5	71.4	11	10	90.9

Age	Washington 1959 April n	p	%	May n	p	%	Washington 1960 March n	p	%	April n	p	%
3	0	0	-	1	0	0.0	12	0	0.0	16	0	0.0
4	5	2	40.0	5	1	20.0	5	0	0.0	4	0	0.0
5	9	5	55.6	8	4	50.0	7	3	42.9	12	5	41.7
6	14	13	92.9	7	6	85.7	8	6	75.0	13	7	53.8
7	13	13	100.0	5	4	80.0	7	6	85.7	21	18	85.7
8	14	11	78.6	3	3	100.0	8	6	75.0	23	20	87.0
9	11	11	100.0	4	3	75.0	11	9	81.8	19	14	73.7
10	4	4	100.0	1	1	100.0	12	10	83.3	13	10	76.9
11	0	0	-	0	0	-	2	2	100.0	3	3	100.0
12	3	3	100.0	3	2	66.7	4	3	75.0	8	6	75.0
13	4	3	75.0	0	0	-	2	2	100.0	3	2	66.7

Age	Washington 1959 (Continued) April n	p	%	May n	p	%	Washington 1960 (Continued) March n	p	%	April n	p	%
14	0	0	-	0	0	-	2	1	50.0	2	1	50.0
15	3	3	100.0	0	0	-	0	0	-	4	3	75.0
16	6	6	100.0	0	0	-	0	0	-	0	0	-
17	1	1	100.0	0	0	-	0	0	-	0	0	-
Total	87	75	86.2	38	25	65.8	80	48	60.0	141	89	63.1
≥=10 only	21	20	95.2	5	4	80.0	22	18	81.8	33	25	75.8

Age	Washington 1960 May n	p	%	Washington 1961 March n	p	%	April n	p	%	May n	p	%
3	24	0	0.0	3	0	0.0	9	0	0.0	18	0	0.0
4	6	0	0.0	6	0	0.0	19	0	0.0	11	1	9.1
5	8	4	50.0	1	0	0.0	8	1	12.5	3	0	0.0
6	11	6	54.5	2	1	50.0	10	9	90.0	3	2	66.7
7	17	12	70.6	1	0	0.0	4	2	50.0	10	8	80.0
8	12	9	75.0	3	3	100.0	13	9	69.2	4	4	100.0
9	6	2	33.3	3	2	66.7	9	9	100.0	4	2	50.0
10	3	3	100.0	3	2	66.7	4	4	100.0	3	2	66.7
11	2	2	100.0	0	0	-	1	1	100.0	1	0	0.0
12	1	0	0.0	3	2	66.7	1	1	100.0	0	0	-
13	1	0	0.0	1	1	100.0	3	1	33.3	4	4	100.0
14	1	0	0.0	0	0	-	6	6	100.0	2	1	50.0
15	2	2	100.0	1	1	100.0	5	4	80.0	4	2	50.0
16	0	0	-	2	2	100.0	2	1	50.0	0	0	-
17	0	0	-	0	0	-	1	1	100.0	0	0	-
18	1	0	0.0	2	1	50.0	3	0	0.0	0	0	-
19	0	0	-	0	0	-	0	0	-	0	0	-
20	0	0	-	0	0	-	1	1	100.0	0	0	-
Total	95	40	42.1	31	15	48.4	99	50	50.5	67	26	38.8
≥=10 only	11	7	63.6	12	9	75.0	27	20	74.1	14	9	64.3

Age	Washington 1961			Washington 1962						Washington 1963		
	June			March			April			April		
	n	p	%	n	p	%	n	p	%	n	p	%
3	1	0	0.0	0	0	-	11	0	0.0	0	0	-
4	2	0	0.0	3	0	0.0	12	0	0.0	1	0	0.0
5	0	0	-	1	1	100.0	10	3	30.0	0	0	-
6	0	0	-	0	0	-	1	0	0.0	0	0	-
7	0	0	-	0	0	-	4	4	100.0	0	0	-
8	0	0	-	0	0	-	0	0	-	0	0	-
9	0	0	-	0	0	-	2	2	100.0	0	0	-
10	0	0	-	1	1	100.0	0	0	-	0	0	-
11	0	0	-	0	0	-	1	1	100.0	0	0	-
12	0	0	-	0	0	-	1	1	100.0	0	0	-
13	0	0	-	2	1	50.0	2	2	100.0	0	0	-
14	0	0	-	0	0	-	0	0	-	0	0	-
15	0	0	-	0	0	-	0	0	-	0	0	-
16	0	0	-	0	0	-	0	0	-	0	0	-
17	0	0	-	0	0	-	1	1	100.0	0	0	-
18	0	0	-	0	0	-	1	0	0.0	0	0	-
Total	3	0	0.0	7	3	42.9	46	14	30.4	1	0	0.0
≥=10 only	0	0	-	3	2	66.7	6	5	83.3	0	0	-

Age	Washington 1963			Washington 1964						Washington 1965		
	May			April			May			April		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	1	0	0.0	0	0	-	2	0	0.0
4	1	0	-	4	0	0.0	1	0	0.0	1	0	0.0
5	0	0	-	1	0	0.0	1	0	0.0	1	0	0.0
6	1	1	100.0	4	3	75.0	1	1	100.0	4	3	75.0
7	0	0	-	0	0	-	0	0	-	0	0	-
8	0	0	-	0	0	-	2	2	100.0	0	0	-
9	0	0	-	1	1	100.0	0	0	0.0	0	0	-
10	0	0	-	0	0	-	2	1	50.0	1	1	100.0

Age	Washington 1963 (Continued)			Washington 1964 (Continued)						Washington 1965 (Continued)		
	May			April			May			April		
	n	p	%	n	p	%	n	p	%	n	p	%
11	0	0	-	1	1	100.0	0	0	-	0	0	-
12	0	0	-	0	0	-	0	0	-	0	0	-
13	1	1	100.0	1	1	100.0	0	0	-	0	0	-
Total	3	2	66.7	13	6	46.2	7	4	57.1	9	4	44.4
≥=10 only	1	1	100.0	2	2	100.0	2	1	50.0	1	1	100.0

Age	Washington 1966						Washington 1967					
	March			April			March			April		
	n	p	%	n	p	%	n	p	%	n	p	%
3	6	0	0.0	6	0	0.0	1	0	0.0	8	0	0.0
4	15	0	0.0	3	0	0.0	0	0	-	1	0	0.0
5	11	5	45.5	4	0	0.0	1	0	0.0	4	0	0.0
6	6	4	66.7	4	3	75.0	1	0	0.0	4	1	25.0
7	9	8	88.9	1	1	100.0	0	0	-	8	6	75.0
8	5	4	80.0	8	6	75.0	0	0	-	5	2	40.0
9	1	0	0.0	2	2	100.0	1	0	0.0	6	5	83.3
10	2	2	100.0	5	5	100.0	0	0	-	2	1	50.0
11	3	3	100.0	1	1	100.0	0	0	-	1	1	100.0
12	0	0	-	1	0	0.0	0	0	-	2	1	50.0
13	2	1	50.0	2	2	100.0	0	0	-	0	0	-
14	3	3	100.0	2	1	50.0	0	0	-	0	0	-
15	0	0	-	0	0	-	0	0	-	0	0	-
16	2	1	50.0	0	0	-	0	0	-	1	0	0.0
17	0	0	-	1	0	0.0	0	0	-	0	0	-
18	0	0	-	1	0	0.0	0	0	-	0	0	-
19	0	0	-	0	0	-	0	0	-	0	0	-
20	0	0	-	1	0	0.0	0	0	-	0	0	-
Total	65	31	47.7	42	21	50.0	4	0	0.0	42	17	40.5
≥=10 only	12	10	83.3	14	9	64.3	0	0	0.0	6	3	50.0

Age	Washington 1967			Washington 1968								
	May			March			April			May		
	n	p	%	n	p	%	n	p	%	n	p	%
3	9	0	0.0	3	0	0.0	18	0	0.0	1	0	0.0
4	7	0	0.0	4	0	0.0	21	1	4.8	6	0	0.0
5	5	0	0.0	0	0	-	8	3	37.5	3	1	33.3
6	2	2	100.0	2	0	0.0	8	7	87.5	3	3	100.0
7	2	1	50.0	0	0	-	7	6	85.7	1	0	0.0
8	0	0	-	3	2	66.7	10	6	60.0	0	0	-
9	0	0	-	0	0	-	10	8	80.0	1	1	100.0
10	0	0	-	3	2	66.7	10	9	90.0	0	0	-
11	0	0	-	1	1	100.0	5	3	60.0	1	1	100.0
12	0	0	-	0	0	-	5	3	60.0	1	0	0.0
13	1	1	100.0	0	0	-	0	0	-	0	0	-
14	0	0	-	0	0	-	2	2	100.0	0	0	-
15	0	0	-	0	0	-	0	0	-	2	2	100.0
16	0	0	-	1	0	0.0	1	0	0.0	1	1	100.0
17	0	0	-	0	0	-	0	0	-	0	0	-
18	0	0	-	1	1	100.0	2	1	50.0	0	0	-
19	0	0	-	0	0	-	2	1	50.0	0	0	-
20	0	0	-	0	0	-	1	1	100.0	0	0	-
21	0	0	-	0	0	-	1	0	0.0	0	0	-
22	0	0	-	0	0	-	1	0	0.0	0	0	-
Total	26	4	15.4	18	6	33.3	112	51	45.5	20	9	45.0
≥=10 only	1	1	100.0	6	4	66.7	30	20	66.7	5	4	80.0

Age	Washington 1969						Washington 1970					
	April			May			January			February		
	n	p	%	n	p	%	n	p	%	n	p	%
3	6	0	0.0	29	0	0.0	2	0	0.0	4	0	0.0
4	11	0	0.0	23	0	0.0	4	0	0.0	0	0	-
5	15	4	26.7	19	8	42.1	3	1	33.3	4	2	50.0
6	8	2	25.0	7	5	71.4	9	5	55.6	6	5	83.3
7	4	4	100.0	7	3	42.9	6	6	100.0	3	3	100.0
8	8	5	62.5	1	0	0.0	5	4	80.0	2	2	100.0
9	3	3	100.0	3	3	100.0	3	3	100.0	4	3	75.0

Age	Washington 1969 (Continued)						Washington 1970 (Continued)					
	April			May			January			February		
	n	p	%	n	p	%	n	p	%	n	p	%
10	6	5	83.3	4	3	75.0	7	6	85.7	1	1	100.0
11	6	4	66.7	2	1	50.0	3	2	66.7	1	1	100.0
12	5	5	100.0	5	3	60.0	4	3	75.0	0	0	-
13	3	3	100.0	0	0	-	5	4	80.0	3	1	33.3
14	1	1	100.0	2	2	100.0	3	3	100.0	0	0	-
15	1	1	100.0	0	0	-	2	2	100.0	0	0	-
16	2	2	100.0	1	1	100.0	0	0	-	0	0	-
17	1	0	0.0	0	0	-	1	1	100.0	0	0	-
18	0	0	-	0	0	-	2	1	50.0	0	0	-
19	2	1	50.0	1	1	100.0	1	1	100.0	0	0	-
20	1	0	0.0	3	2	66.7	1	0	0.0	0	0	-
21	0	0	-	1	1	100.0	0	0	-	0	0	-
22	0	0	-	0	0	-	0	0	-	0	0	-
23	0	0	-	0	0	-	0	0	-	0	0	-
24	0	0	-	1	0	0.0	0	0	-	0	0	-
Total	83	40	48.2	109	33	30.3	61	42	68.9	28	18	64.3
≥=10 only	28	22	78.6	20	14	70.0	29	23	79.3	5	3	60.0

Age	Washington 1970			Washington 1971								
	March			January			February			March		
	n	p	%	n	p	%	n	p	%	n	p	%
3	1	0	0.0	5	0	0.0	3	0	0.0	4	0	0.0
4	1	0	0.0	12	0	0.0	5	0	0.0	8	0	0.0
5	0	0	-	7	3	42.9	3	1	33.3	10	4	40.0
6	0	0	-	9	7	77.8	3	2	66.7	8	6	75.0
7	0	0	-	11	8	72.7	0	0	-	13	10	76.9
8	0	0	-	9	7	77.8	0	0	-	5	4	80.0
9	0	0	-	7	4	57.1	0	0	-	3	3	100.0

Age	Washington 1970 (Continued)			Washington 1971 (Continued)								
	March			January			February			March		
	n	p	%	n	p	%	n	p	%	n	p	%
10	1	0	0.0	4	2	50.0	0	0	-	5	3	60.0
11	0	0	-	3	3	100.0	0	0	-	4	3	75.0
12	1	1	100.0	6	6	100.0	0	0	-	6	6	100.0
13	0	0	-	5	3	60.0	0	0	-	2	2	100.0
14	0	0	-	1	0	0.0	0	0	-	2	1	50.0
15	0	0	-	2	1	50.0	0	0	-	1	1	100.0
16	0	0	-	0	0	-	0	0	-	1	1	100.0
17	0	0	-	0	0	-	0	0	-	2	2	100.0
18	0	0	-	3	3	100.0	0	0	-	0	0	-
19	0	0	-	1	1	100.0	0	0	-	1	1	100.0
20	0	0	-	1	0	0.0	0	0	-	0	0	-
21	0	0	-	1	0	0.0	0	0	-	0	0	-
Total	4	1	25.0	87	48	55.2	14	3	21.4	75	47	62.7
≥=10 only	2	1	50.0	27	19	70.4	0	0	-	24	20	83.3

Age	Washington 1971						Washington 1972					
	April			December			January			February		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	4	0	0.0	4	0	0.0	0	0	-
4	1	0	0.0	3	2	66.7	3	0	0.0	0	0	-
5	1	0	0.0	0	0	-	9	2	22.2	2	0	0.0
6	0	0	-	0	0	-	5	3	60.0	1	1	100.0
7	0	0	-	1	1	100.0	7	3	42.9	1	1	100.0
8	0	0	-	1	0	0.0	4	4	100.0	0	0	-
9	0	0	-	0	0	-	3	2	66.7	0	0	-
10	0	0	-	1	1	100.0	2	2	100.0	0	0	-
11	0	0	-	2	2	100.0	1	1	100.0	1	1	100.0
12	1	1	100.0	1	0	0.0	4	2	50.0	1	1	100.0
13	0	0	-	0	0	-	0	0	-	0	0	-
14	0	0	-	1	0	0.0	2	1	50.0	0	0	-
15	0	0	-	1	1	100.0	0	0	-	0	0	-

Age	Washington 1971 (Continued)						Washington 1972 (Continued)					
	April			December			January			February		
	n	p	%	n	p	%	n	p	%	n	p	%
16	0	0	-	1	0	0.0	2	0	0.0	0	0	-
17	1	0	0.0	2	2	100.0	0	0	-	1	1	100.0
18	0	0	-	0	0	-	0	0	-	1	0	0.0
19	0	0	-	1	1	100.0	0	0	-	0	0	-
20	0	0	-	1	1	100.0	0	0	-	0	0	-
21	0	0	-	0	0	-	0	0	-	0	0	-
22	0	0	-	0	0	-	1	0	0.0	0	0	-
Total	4	1	25.0	21	11	52.4	47	20	42.6	8	5	62.5
≥=10 only	2	1	50.0	12	8	66.7	12	6	50.0	4	3	75.0

Age	Washington 1972			Washington 1973								
	December			January			February			December		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	0	0	-	0	0	-	0	0	-
4	0	0	-	2	0	0.0	1	0	0.0	2	0	0.0
5	0	0	-	2	0	0.0	1	1	100.0	0	0	-
6	0	0	-	0	0	-	1	1	100.0	0	0	-
7	0	0	-	3	2	66.7	2	2	100.0	0	0	-
8	2	1	50.0	6	6	100.0	0	0	-	0	0	-
9	0	0	-	3	1	33.3	1	1	100.0	0	0	-
10	0	0	-	1	1	100.0	0	0	-	0	0	-
11	0	0	-	3	2	66.7	2	2	100.0	0	0	-
12	1	1	100.0	4	2	50.0	0	0	-	1	1	100.0
13	0	0	-	1	1	100.0	0	0	-	0	0	-
14	0	0	-	2	2	100.0	0	0	-	2	2	100.0
15	0	0	-	2	2	100.0	1	1	100.0	0	0	-
16	0	0	-	0	0	-	0	0	-	0	0	-
17	0	0	-	3	3	100.0	0	0	-	0	0	-
Total	3	2	66.7	33	22	66.7	9	8	88.9	5	3	60.0
≥=10 only	1	1	100.0	17	13	76.5	3	3	100.0	3	3	100.0

Age	Washington 1974			British Columbia 1958								
	January			April			May			June		
	n	p	%	n	p	%	n	p	%	n	p	%
3	2	0	0.0	3	0	0.0	7	0	0.0	2	0	0.0
4	1	0	0.0	5	1	20.0	14	2	14.3	1	0	0.0
5	3	1	33.3	1	1	100.0	8	6	75.0	2	2	100.0
6	1	1	100.0	3	2	66.7	10	7	70.0	1	0	0.0
7	3	3	100.0	3	2	66.7	7	5	71.4	1	1	100.0
8	1	0	0.0	1	0	0.0	10	9	90.0	1	1	100.0
9	6	6	100.0	4	4	100.0	4	2	50.0	2	2	100.0
10	3	3	100.0	1	1	100.0	5	4	80.0	0	0	-
11	3	3	100.0	1	1	100.0	4	4	100.0	0	0	-
12	3	2	66.7	3	2	66.7	2	1	50.0	0	0	-
13	0	0	-	3	3	100.0	1	1	100.0	0	0	-
14	2	2	100.0	5	4	80.0	2	2	100.0	0	0	-
15	0	0	-	3	1	33.3	2	1	50.0	0	0	-
16	2	2	100.0	1	1	100.0	4	2	50.0	0	0	-
17	1	0	0.0	4	2	50.0	2	2	100.0	0	0	-
18	0	0	-	0	0	-	1	0	0.0	1	0	0.0
19	1	1	100.0	0	0	-	0	0	-	0	0	-
20	1	1	100.0	0	0	-	0	0	-	0	0	-
Total	33	25	75.8	41	25	61.0	83	48	57.8	11	6	54.5
≥=10 only	16	14	87.5	21	15	71.4	23	17	73.9	1	0	0.0

Age	British Columbia 1958			British Columbia 1959								
	July			January			February			March		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	0	0	-	0	0	-	0	0	-
4	1	0	0.0	0	0	-	0	0	-	1	0	0.0
5	0	0	-	0	0	-	0	0	-	0	0	-
6	0	0	-	0	0	-	0	0	-	2	1	50.0
7	0	0	-	0	0	-	0	0	-	2	1	50.0
8	0	0	-	0	0	-	0	0	-	0	0	-
9	0	0	-	0	0	-	0	0	-	2	2	100.0
10	0	0	-	0	0	-	0	0	-	0	0	-
11	0	0	-	0	0	-	0	0	-	0	0	-
12	0	0	-	0	0	-	0	0	-	1	1	100.0
13	0	0	-	0	0	-	0	0	-	0	0	-

Age	British Columbia 1958 (Continued)			British Columbia 1959 (Continued)								
	July			January			February			March		
	n	p	%	n	p	%	n	p	%	n	p	%
14	0	0	-	1	1	100.0	0	0	-	1	1	100.0
15	0	0	-	0	0	-	0	0	-	1	1	100.0
16	0	0	-	0	0	-	0	0	-	2	1	50.0
17	0	0	-	0	0	-	0	0	-	2	2	100.0
18	0	0	-	0	0	-	0	0	-	1	1	100.0
19	0	0	-	0	0	-	0	0	-	0	0	-
20	0	0	-	0	0	-	0	0	-	1	0	0.0
Total	1	0	0.0	1	1	100.0	0	0	-	16	11	68.7
≥=10 only	0	0	-	1	1	100.0	0	0	-	9	7	77.8

Age	British Columbia 1959									British Columbia 1960		
	May			June			July			February		
	n	p	%	n	p	%	n	p	%	n	p	%
3	3	0	0.0	0	0	-	0	0	-	0	0	-
4	2	0	0.0	1	0	0.0	0	0	-	0	0	-
5	3	2	66.7	0	0	-	0	0	-	0	0	-
6	3	3	100.0	0	0	-	0	0	-	0	0	-
7	1	1	100.0	1	1	100.0	0	0	-	0	0	-
8	1	1	100.0	0	0	-	0	0	-	0	0	-
9	0	0	-	0	0	-	0	0	-	0	0	-
10	2	2	100.0	0	0	-	0	0	-	0	0	-
11	0	0	-	0	0	-	0	0	-	0	0	-
12	0	0	-	0	0	-	0	0	-	0	0	-
13	0	0	-	0	0	-	0	0	-	0	0	-
14	0	0	-	0	0	-	0	0	-	0	0	-
15	1	1	100.0	0	0	-	0	0	-	0	0	-
Total	16	10	62.5	2	1	50.0	0	0	-	0	0	-
≥=10	3	3	100.0	0	0	-	0	0	-	0	0	-

Age	British Columbia 1960									British Columbia 1961		
	March			May			June			February		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	2	0	0.0	0	0	-	0	0	-
4	0	0	-	1	0	0.0	1	0	0.0	1	0	0.0
5	2	0	0.0	1	0	0.0	0	0	-	0	0	-
6	2	1	50.0	4	2	50.0	0	0	-	1	1	100.0
7	0	0	-	1	1	100.0	0	0	-	1	1	100.0
8	2	1	50.0	3	3	100.0	0	0	-	4	4	100.0
9	2	2	100.0	1	0	0.0	0	0	-	4	3	75.0
10	4	3	75.0	2	0	0.0	0	0	-	5	4	80.0
11	2	1	50.0	0	0	-	0	0	-	0	0	-
12	0	0	-	0	0	-	0	0	-	3	2	66.7
13	0	0	-	0	0	-	0	0	-	3	2	66.7
14	0	0	-	0	0	-	0	0	-	3	2	66.7
15	1	1	100.0	0	0	-	0	0	-	2	1	50.0
16	0	0	-	1	0	0.0	0	0	-	4	4	100.0
17	1	1	100.0	0	0	-	0	0	-	1	1	100.0
18	1	1	100.0	0	0	-	0	0	-	1	1	100.0
19	0	0	-	0	0	-	0	0	-	3	0	0.0
20	0	0	-	0	0	-	0	0	-	0	0	-
21	0	0	-	0	0	-	0	0	-	1	1	100.0
Total	17	11	64.7	16	6	37.5	1	0	0.0	37	27	73.0
≥=10 only	9	7	77.8	3	0	0.0	0	0	-	26	18	69.2

Age	British Columbia 1961						British Columbia 1962					
	March			May			February			June		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	3	0	0.0	0	0	-	0	0	-
4	0	0	-	2	0	0.0	0	0	-	2	0	0.0
5	0	0	-	0	0	-	0	0	-	0	0	-
6	0	0	-	0	0	-	0	0	-	0	0	-
7	0	0	-	0	0	-	4	4	100.0	0	0	-
8	0	0	-	1	0	0.0	8	8	100.0	0	0	-
9	0	0	-	1	0	0.0	4	3	75.0	0	0	-
10	2	2	100.0	2	1	50.0	7	7	100.0	0	0	-
11	0	0	-	0	0	-	3	2	66.7	0	0	-
12	0	0	-	0	0	-	4	3	75.0	0	0	-
13	0	0	-	0	0	-	2	2	100.0	0	0	-

Age	British Columbia 1961 (Continued)						British Columbia 1962 (Continued)					
	March			May			February			June		
	n	p	%	n	p	%	n	p	%	n	p	%
14	0	0	-	0	0	-	0	0	-	0	0	-
15	0	0	-	0	0	-	3	2	66.7	0	0	-
16	0	0	-	0	0	-	0	0	-	0	0	-
17	0	0	-	0	0	-	0	0	-	0	0	-
18	0	0	-	0	0	-	1	0	0.0	0	0	-
19	0	0	-	0	0	-	2	1	50.0	0	0	-
20	0	0	-	0	0	-	1	0	0.0	0	0	-
21	0	0	-	0	0	-	1	0	0.0	0	0	-
Total	2	2	100.0	9	1	11.1	40	32	80.0	2	0	0.0
≥=10	2	2	100.0	2	1	50.0	24	17	70.8	0	0	-

Age	British Columbia 1963			British Columbia 1964								
	May			April			May			June		
	n	p	%	n	p	%	n	p	%	n	p	%
3	1	0	0.0	0	0	-	3	0	0.0	16	0	0.0
4	2	0	0.0	1	0	0.0	4	0	0.0	6	0	0.0
5	1	1	100.0	0	0	-	1	0	0.0	7	1	14.3
6	2	2	100.0	0	0	-	2	2	100.0	6	3	50.0
7	1	0	0.0	0	0	-	2	2	100.0	1	1	100.0
8	0	0	-	0	0	-	1	1	100.0	0	0	-
9	0	0	-	0	0	-	1	1	100.0	2	2	100.0
10	0	0	-	0	0	-	0	0	-	0	0	-
11	0	0	-	0	0	-	0	0	-	0	0	-
12	1	1	100.0	0	0	-	2	2	100.0	0	0	-
13	0	0	-	0	0	-	0	0	-	0	0	-
14	1	0	0.0	0	0	-	1	1	100.0	0	0	-
15	0	0	-	0	0	-	0	0	-	0	0	-
16	0	0	-	0	0	-	1	0	0.0	0	0	-
17	0	0	-	0	0	-	0	0	-	0	0	-
18	1	0	0.0	0	0	-	0	0	-	0	0	-
Total	10	4	40.0	1	0	0.0	18	9	50.0	38	7	18.4
≥=10 only	3	1	33.3	0	0	-	4	3	75.0	0	0	-

Age	British Columbia 1966 May n	p	%	British Columbia 1968 May n	p	%	British Columbia 1972 January n	p	%	February n	p	%
3	3	0	0.0	7	0	0.0	0	0	-	0	0	-
4	7	0	0.0	9	0	0.0	1	0	0.0	0	0	-
5	4	1	25.0	5	2	40.0	0	0	-	0	0	-
6	1	1	100.0	8	7	87.5	0	0	-	0	0	-
7	0	0	-	1	0	0.0	0	0	-	0	0	-
8	2	1	50.0	0	0	-	0	0	-	0	0	-
9	0	0	-	2	2	100.0	0	0	-	0	0	-
10	0	0	-	2	1	50.0	0	0	-	0	0	-
11	0	0	-	2	1	50.0	0	0	-	1	1	100.0
12	0	0	-	1	0	0.0	0	0	-	0	0	-
13	0	0	-	0	0	-	0	0	-	0	0	-
14	0	0	-	1	0	0.0	0	0	-	0	0	-
15	0	0	-	0	0	-	0	0	-	0	0	-
16	0	0	-	2	2	100.0	0	0	-	0	0	-
17	0	0	-	0	0	-	0	0	-	0	0	-
18	0	0	-	0	0	-	0	0	-	0	0	-
19	0	0	-	0	0	-	1	0	0.0	0	0	-
20	0	0	-	0	0	-	0	0	-	0	0	-
21	0	0	-	1	0	0.0	0	0	-	0	0	-
TOTAL	17	3	17.6	41	15	36.6	2	0	0.0	1	1	100.0
≥=10 only	0	0	-	9	4	44.4	1	0	0.0	1	1	100.0

Age	Gulf of Alaska 1958 July n	p	%	Gulf of Alaska 1959 June n	p	%	Gulf of Alaska 1962 May n	p	%	June n	p	%
3	12	0	0.0	0	0	-	0	0	-	8	0	0.0
4	12	0	0.0	5	1	20.0	2	0	0.0	22	1	4.5
5	4	0	0.0	1	0	0.0	1	1	100.0	29	10	34.5
6	2	0	0.0	14	11	78.6	1	1	100.0	15	11	73.3
7	0	0	-	22	18	81.8	0	0	-	16	11	68.7
8	0	0	-	18	16	88.9	8	6	75.0	18	15	83.3
9	0	0	-	13	13	100.0	6	5	83.3	34	28	82.4
10	0	0	-	12	11	91.7	5	5	100.0	17	10	58.8
11	0	0	-	2	1	50.0	2	1	50.0	14	13	92.9
12	0	0	-	3	3	100.0	2	1	50.0	9	6	66.7
13	0	0	-	3	3	100.0	1	1	100.0	10	8	80.0

Age	Gulf of Alaska 1958 (Continued) July			Gulf of Alaska 1959 (Continued) June			Gulf of Alaska 1962 (Continued) May			June		
	n	p	%	n	p	%	n	p	%	n	p	%
14	0	0	-	3	3	100.9	5	5	100.0	7	5	71.4
15	0	0	-	5	4	80.0	3	3	100.0	5	4	80.0
16	0	0	-	3	2	66.7	0	0	-	4	3	75.0
17	0	0	-	1	1	100.0	2	1	50.0	3	1	33.3
18	0	0	-	2	2	100.0	0	0	-	1	1	100.0
19	0	0	-	2	2	100.0	1	1	100.0	0	0	-
20	0	0	-	1	1	100.0	0	0	-	0	0	-
21	0	0	-	0	0	-	0	0	-	0	0	-
22	0	0	-	0	0	-	0	0	-	0	0	-
23	0	0	-	0	0	-	0	0	-	0	0	-
24	0	0	-	0	0	-	0	0	-	0	0	-
25	0	0	-	1	0	0.0	0	0	-	0	0	-
Total	30	0	0.0	111	92	82.9	39	31	79.5	212	127	59.9
≥=10 only	0	0	-	38	33	86.8	21	18	85.7	70	51	72.9

Age	Gulf of Alaska 1963 May			June			July			Gulf of Alaska 1968 June		
	n	p	%	n	p	%	n	p	%	n	p	%
3	2	0	0.0	2	0	0.0	3	0	0.0	11	0	0.0
4	0	0	-	8	0	0.0	4	0	0.0	26	1	3.8
5	2	1	50.0	10	1	10.0	4	0	0.0	14	5	35.7
6	1	0	0.0	14	6	42.9	3	1	33.3	17	9	52.9
7	0	0	-	8	5	62.5	0	0	-	9	6	66.7
8	0	0	-	9	7	77.8	1	1	100.0	6	2	33.3
9	1	1	100.0	7	6	85.7	0	0	-	9	5	55.6
10	2	2	100.0	11	8	72.7	2	2	100.0	10	5	50.0
11	2	1	50.0	16	14	87.5	0	0	-	3	2	66.7
12	2	1	50.0	22	17	77.3	0	0	-	1	0	0.0
13	0	0	-	12	9	75.0	0	0	-	3	2	66.7
14	0	0	-	15	13	86.7	0	0	-	3	2	66.7
15	0	0	-	15	9	60.0	0	0	-	0	0	-
16	0	0	-	14	10	71.4	0	0	-	3	2	66.7
17	0	0	-	4	3	75.0	0	0	-	2	1	50.0
18	0	0	-	4	3	75.0	0	0	-	1	0	0.0

Age	Gulf of Alaska 1963 (Continued)									Gulf of Alaska 1968 (Continued)		
	May			June			July			June		
	n	p	%	n	p	%	n	p	%	n	p	%
19	0	0	-	2	0	0.0	0	0	-	0	0	-
20	0	0	-	2	1	50.0	0	0	-	0	0	-
21	0	0	-	1	0	0.0	0	0	-	0	0	-
22	0	0	-	1	0	0.0	0	0	-	0	0	-
23	0	0	-	1	0	0.0	0	0	-	0	0	-
Total	12	6	50.0	178	112	62.9	17	4	23.5	118	42	35.6
≥=10 only	6	4	66.7	120	87	72.5	2	2	100.0	26	14	53.8

Age	Gulf of Alaska 1968			Western Alaska 1974			Bering Sea 1974		
	July			July			July		
	n	p	%	n	p	%	n	p	%
1	6	0	0.0	0	0	-	0	0	-
2	8	0	0.0	0	0	-	0	0	-
3	4	1	25.0	1	0	0.0	0	0	-
4	2	0	0.0	4	3	75.0	1	0	0.0
5	1	0	0.0	0	0	-	0	0	-
6	1	0	0.0	2	1	50.0	1	1	100.0
7	0	0	-	0	0	-	0	0	-
8	0	0	-	0	0	-	0	0	-
9	0	0	-	0	0	-	0	0	-
10	1	0	0.0	1	1	100.0	0	0	-
11	0	0	-	1	1	100.0	1	1	100.0
12	0	0	-	2	2	100.0	0	0	-
13	0	0	-	2	1	50.0	0	0	-
14	0	0	-	1	1	100.0	0	0	-
Total	23	1	4.3	14	10	71.4	3	2	66.7
≥=10 only	1	0	0.0	7	6	85.7	1	1	100.0

Table 3.2
Age specific pregnancy rates of female fur seals collected by the United States.
(n = number of females examined, p = number pregnant, and % = percentage pregnant).

Age	California 1958									California 1959		
	February			March			April			January		
	n	p	%	n	p	%	n	p	%	n	p	%
3	10	1	10.0	7	0	0.0	0	0	-	0	0	-
4	1	0	0.0	15	0	0.0	1	0	0.0	5	0	0.0
5	12	7	58.3	24	11	45.8	2	1	50.0	2	2	100.0
6	16	14	87.5	20	17	85.0	4	4	100.0	8	6	75.0
7	14	14	100.0	25	24	96.0	4	1	25.0	11	10	90.9
8	10	10	100.0	22	19	86.4	6	5	83.3	14	12	85.7
9	11	11	100.0	16	15	93.7	1	1	100.0	4	3	75.0
10	15	13	86.7	24	22	91.7	0	0	-	9	8	88.9
11	23	22	95.7	20	18	90.0	1	1	100.0	4	4	100.0
12	12	9	75.0	32	28	87.5	2	1	50.0	5	4	80.0
13	9	7	77.8	17	16	94.1	5	3	60.0	6	6	100.0
14	8	7	87.5	18	14	77.8	1	1	100.0	6	6	100.0
15	4	4	100.0	14	10	71.4	3	3	100.0	16	16	100.0
16	3	3	100.0	10	7	70.0	0	0	-	7	5	71.4
17	0	0	-	8	5	62.5	0	0	-	5	4	80.0
18	2	1	50.0	2	1	50.0	1	0	0.0	4	3	75.0
19	1	0	0.0	0	0	-	2	0	0.0	2	2	100.0
20	0	0	-	0	0	-	0	0	-	0	0	-
21	0	0	-	0	0	-	0	0	-	1	1	100.0
22	0	0	-	0	0	-	0	0	-	1	0	0.0
23	0	0	-	0	0	-	0	0	-	1	0	0.0
Total	151	123	81.5	274	207	75.5	33	21	63.6	111	92	82.9
≥=10 only	77	66	85.7	145	121	83.4	15	9	60.0	67	59	88.1

Age	California 1959									California 1960		
	February			March			April			December		
	n	p	%	n	p	%	n	p	%	n	p	%
3	13	0	0.0	10	0	0.0	6	0	0.0	0	0	-
4	40	4	10.0	21	1	4.8	12	0	0.0	1	0	0.0
5	57	32	56.1	20	10	50.0	16	11	68.7	0	0	-

Age	California 1959 (Continued) February n	p	%	March n	p	%	April n	p	%	California 1960 (Continued) December n	p	%
6	56	46	82.1	32	24	75.0	11	7	63.6	0	0	-
7	77	60	77.9	30	17	56.7	10	10	100.0	1	1	100.0
8	80	73	91.3	21	15	71.4	14	10	71.4	0	0	-
9	61	57	93.4	15	12	80.0	9	8	88.9	0	0	-
10	56	48	85.7	14	13	92.9	6	4	66.7	0	0	-
11	52	47	90.4	10	9	90.0	16	14	87.5	0	0	-
12	36	34	94.4	8	6	75.0	7	6	85.7	0	0	-
13	30	24	80.0	4	4	100.0	4	4	100.0	0	0	-
14	41	34	82.9	8	6	75.0	10	9	90.0	0	0	-
15	46	40	87.0	6	6	100.0	7	7	100.0	0	0	-
16	36	26	72.2	9	8	88.9	6	4	66.7	1	1	100.0
17	22	17	77.3	4	3	75.0	3	3	100.0	0	0	-
18	12	11	91.7	5	5	100.0	2	1	50.0	0	0	-
19	9	6	66.7	1	1	100.0	2	2	100.0	0	0	-
20	2	1	50.0	1	0	0.0	1	0	0.0	0	0	-
21	2	2	100.0	4	3	75.0	0	0	-	0	0	-
22	3	1	33.3	1	1	100.0	0	0	-	0	0	-
23	0	0	-	0	0	-	0	0	-	0	0	-
24	0	0	-	0	0	-	1	0	0.0	0	0	-
25	0	0	-	0	0	-	0	0	-	0	0	-
26	1	0	0.0	0	0	-	0	0	-	0	0	-
TOTAL	732	563	76.9	224	144	64.3	143	100	69.9	3	2	66.7
≥ 10	348	291	83.6	75	65	86.7	65	54	83.1	1	1	100.0

Age	California 1961 January n	p	%	February n	p	%	March n	p	%	April n	p	%
3	26	0	0.0	17	0	0.0	11	0	0.0	0	0	-
4	19	1	5.3	16	0	0.0	10	0	0.0	1	0	0.0
5	20	6	30.0	15	2	13.3	6	2	33.3	0	0	-
6	13	13	100.0	24	19	79.2	4	2	50.0	0	0	-
7	34	27	79.4	27	20	74.1	1	1	100.0	0	0	-
8	45	34	75.6	29	24	82.8	4	4	100.0	2	1	50.0

California
1961
(Continued)

Age	January			February			March			April		
	n	p	%	n	p	%	n	p	%	n	p	%
9	45	40	88.9	30	30	100.0	3	3	100.0	1	1	100.0
10	45	42	93.3	31	30	96.8	8	7	87.5	0	0	-
11	32	29	90.6	19	15	78.9	8	7	87.5	0	0	-
12	25	21	84.0	24	20	83.3	2	2	100.0	0	0	-
13	31	24	77.4	15	13	86.7	11	10	90.9	0	0	-
14	27	24	88.9	13	11	84.6	7	7	100.0	1	1	100.0
15	28	21	75.0	12	8	66.7	3	2	66.7	1	0	0.0
16	14	11	78.6	16	15	93.7	4	3	75.0	0	0	-
17	9	4	44.4	7	5	71.4	3	3	100.0	1	0	0.0
18	8	6	75.0	3	2	66.7	4	1	25.0	1	1	100.0
19	3	2	66.7	4	2	50.0	2	1	50.0	0	0	-
20	2	2	100.0	1	1	100.0	1	1	100.0	0	0	-
21	1	0	0.0	0	0	0.0	0	0	0.0	0	0	-
22	0	0	-	0	0	-	0	0	-	0	0	-
23	1	0	0.0	0	0	-	0	0	-	0	0	-
Total	428	307	71.7	303	217	71.6	92	56	60.9	8	4	50.0
≥=10 only	226	186	82.3	145	122	84.1	53	44	83.0	4	2	50.0

Age	California 1964						California 1965					
	April			May			April			May		
	n	p	%	n	p	%	n	p	%	n	p	%
3	6	0	0.0	23	0	0.0	3	0	0.0	11	0	0.0
4	11	0	0.0	16	1	6.2	6	0	0.0	21	0	0.0
5	10	1	10.0	17	4	23.5	2	0	0.0	6	1	16.7
6	10	4	40.0	14	12	85.7	5	3	60.0	7	4	57.1
7	4	4	100.0	5	3	60.0	2	2	100.0	5	4	80.0
8	6	4	66.7	7	7	100.0	1	1	100.0	9	9	100.0
9	1	1	100.0	5	4	80.0	4	2	50.0	5	4	80.0
10	3	3	100.0	13	12	92.3	2	2	100.0	3	2	66.7
11	4	3	75.0	11	9	81.8	4	4	100.0	6	6	100.0

Age	California 1964 (Continued)						California 1965 (Continued)					
	April			May			April			May		
	n	p	%	n	p	%	n	p	%	n	p	%
12	6	6	100.0	13	8	61.5	3	3	100.0	9	5	55.6
13	2	2	100.0	4	4	100.0	1	1	100.0	3	3	100.0
14	5	2	40.0	9	9	100.0	2	2	100.0	6	5	83.3
15	7	4	57.1	6	4	66.7	0	0	-	8	7	87.5
16	4	3	75.0	7	6	85.7	2	1	50.0	5	4	80.0
17	3	2	66.7	10	7	70.0	2	2	100.0	6	5	83.3
18	2	2	100.0	7	3	42.9	0	0	-	3	1	33.3
19	0	0	-	2	0	0.0	0	0	-	2	0	0.0
20	4	1	25.0	2	1	50.0	0	0	-	1	0	0.0
21	0	0	-	0	0	-	0	0	-	1	0	0.0
22	0	0	-	0	0	-	0	0	-	0	0	-
23	0	0	-	1	1	100.0	0	0	-	1	0	0.0
Total	88	42	47.7	172	95	55.2	39	23	59.0	118	60	50.8
≥=10 only	40	28	70.0	85	64	75.3	16	15	93.7	54	38	70.4

Age	California 1965			California 1966								
	June			January			February			March		
	n	p	%	n	p	%	n	p	%	n	p	%
3	17	0	0.0	2	0	0.0	17	0	0.0	11	0	0.0
4	20	0	0.0	6	0	0.0	28	1	3.6	36	0	0.0
5	6	1	16.7	4	2	50.0	27	7	25.9	38	11	28.9
6	7	3	42.9	4	1	25.0	14	12	85.7	17	12	70.6
7	5	4	80.0	7	4	57.1	22	16	72.7	17	16	94.1
8	5	2	40.0	8	5	62.5	17	13	76.5	19	17	89.5
9	7	5	71.4	1	1	100.0	9	9	100.0	10	10	100.0
10	3	3	100.0	1	1	100.0	7	6	85.7	5	4	80.0
11	4	3	75.0	4	4	100.0	9	8	88.9	10	6	60.0
12	2	2	100.0	4	4	100.0	10	10	100.0	3	3	100.0
13	4	4	100.0	4	4	100.0	5	5	100.0	3	3	100.0
14	1	1	100.0	1	1	100.0	10	9	90.0	3	2	66.7
15	4	3	75.0	3	3	100.0	6	6	100.0	6	5	83.3
16	3	3	100.0	0	0	-	4	3	75.0	1	1	100.0
17	1	0	0.0	0	0	-	1	0	0.0	4	2	50.0
18	3	1	33.3	0	0	-	0	0	-	0	0	-

Age	California 1965 (Continued)			California 1966 (Continued)								
	June			January			February			March		
	n	p	%	n	p	%	n	p	%	n	p	%
19	0	0	-	0	0	-	1	0	0.0	2	1	50.0
20	0	0	-	0	0	-	0	0	-	1	0	0.0
21	0	0	-	0	0	-	1	0	0.0	0	0	-
22	0	0	-	0	0	-	0	0	-	0	0	-
23	0	0	-	0	0	-	0	0	-	0	0	-
Total	92	35	38.0	49	30	61.2	188	105	55.9	186	93	50.0
≥=10 only	25	20	80.0	17	17	100.0	54	47	87.0	38	27	71.1

Age	Oregon 1958			Oregon 1959								
	April			January			March			April		
	n	p	%	n	p	%	n	p	%	n	p	%
3	6	0	0.0	1	0	0.0	1	0	0.0	2	0	0.0
4	5	1	20.0	1	0	0.0	2	0	0.0	1	1	100.0
5	5	2	40.0	0	0	-	1	0	0.0	4	2	50.0
6	7	5	71.4	0	0	-	1	0	0.0	0	0	-
7	4	3	75.0	1	1	100.0	1	1	100.0	3	2	66.7
8	3	2	66.7	1	0	0.0	0	0	-	3	3	100.0
9	6	6	100.0	0	0	-	3	2	66.7	0	0	-
10	2	2	100.0	0	0	-	0	0	-	0	0	-
11	3	3	100.0	0	0	-	1	1	100.0	3	3	100.0
12	2	1	50.0	0	0	-	2	2	100.0	2	2	100.0
13	1	0	0.0	0	0	-	1	1	100.0	0	0	-
14	2	1	50.0	0	0	-	1	1	100.0	1	1	100.0
15	3	3	100.0	0	0	-	0	0	-	1	1	100.0
16	0	0	-	0	0	-	1	1	100.0	0	0	-
17	0	0	-	0	0	-	0	0	-	0	0	-
18	1	1	100.0	0	0	-	0	0	-	0	0	-
Total	50	30	60.0	4	1	25.0	15	9	60.0	20	15	75.0
≥=10 only	14	11	78.6	0	0	0.0	6	6	100.0	7	7	100.0

Age	Oregon 1961 April			Oregon 1964 April			Oregon 1964 May			Washington 1958 April		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	3	0	0.0	0	0	-	6	0	0.0
4	1	0	0.0	0	0	-	0	0	-	3	0	0.0
5	0	0	-	0	0	-	0	0	-	1	0	0.0
6	4	1	25.0	0	0	-	0	0	-	3	2	66.7
7	2	2	100.0	1	1	100.0	1	1	100.0	7	6	85.7
8	3	1	33.3	0	0	-	0	0	-	5	5	100.0
9	3	3	100.0	0	0	-	0	0	-	9	9	100.0
10	1	1	100.0	0	0	-	0	0	-	4	1	25.0
11	2	2	100.0	0	0	-	0	0	-	4	3	75.0
12	1	1	100.0	1	1	100.0	0	0	-	4	2	50.0
13	3	2	66.7	0	0	-	0	0	-	6	6	100.0
14	1	1	100.0	0	0	-	0	0	-	2	1	50.0
15	2	1	50.0	0	0	-	0	0	-	3	2	66.7
16	2	1	50.0	0	0	-	0	0	-	1	1	100.0
17	0	0	-	0	0	-	0	0	-	0	0	-
18	0	0	-	0	0	-	0	0	-	0	0	-
19	0	0	-	0	0	-	0	0	-	0	0	-
20	0	0	-	0	0	-	0	0	-	0	0	-
21	1	1	100.0	0	0	-	0	0	-	0	0	-
Total	26	17	65.4	5	2	40.0	1	1	100.0	58	38	65.5
≥=10 only	13	10	76.9	1	1	100.0	0	0	-	24	16	66.7

Age	Washington 1959 April			Washington 1961 March			Washington 1961 April			Washington 1964 April		
	n	p	%	n	p	%	n	p	%	n	p	%
3	10	0	0.0	4	0	0.0	25	0	0.0	2	0	0.0
4	11	0	0.0	4	0	0.0	42	0	0.0	0	0	-
5	14	7	50.0	0	0	-	27	3	11.1	0	0	-
6	10	8	80.0	2	2	100.0	13	7	53.8	5	4	80.0
7	10	8	80.0	0	0	-	29	19	65.5	0	0	-
8	32	29	90.6	3	3	100.0	16	13	81.2	1	1	100.0
9	15	14	93.3	3	0	0.0	27	24	88.9	0	0	-
10	11	9	81.8	6	5	83.3	15	12	80.0	0	0	-
11	12	10	83.3	3	3	100.0	15	13	86.7	0	0	-
12	16	13	81.2	2	2	100.0	15	12	80.0	1	1	100.0
13	11	11	100.0	3	2	66.7	8	6	75.0	1	1	100.0
14	3	2	66.7	2	2	100.0	12	11	91.7	0	0	-

Age	Washington 1959 (Continued) April			Washington 1961 (Continued) March			Washington 1961 (Continued) April			Washington 1964 (Continued) April		
	n	p	%	n	p	%	n	p	%	n	p	%
15	11	7	63.6	3	3	100.0	14	11	78.6	1	1	100.0
16	10	8	80.0	4	4	100.0	6	5	83.3	0	0	-
17	2	2	100.0	0	0	-	4	3	75.0	0	0	-
18	4	3	75.0	4	2	50.0	1	0	0.0	0	0	-
19	2	2	100.0	1	0	0.0	0	0	-	0	0	-
20	1	1	100.0	0	0	-	0	0	-	0	0	-
Total	185	134	72.4	44	28	63.6	269	139	51.7	11	8	72.7
≥=10	83	68	81.9	28	23	82.1	90	73	81.1	3	3	100.0

Age	Washington 1964 May			Washington 1964 June			Washington 1965 April			Washington 1967 January		
	n	p	%	n	p	%	n	p	%	n	p	%
3	1	0	0.0	0	0	-	20	0	0.0	4	0	0.0
4	1	0	0.0	2	0	0.0	27	0	0.0	5	0	0.0
5	0	0	-	0	0	-	8	4	50.0	6	2	33.3
6	0	0	-	0	0	-	19	11	57.9	14	8	57.1
7	0	0	-	0	0	-	13	10	76.9	3	1	33.3
8	0	0	-	0	0	-	16	16	100.0	4	3	75.0
9	0	0	-	0	0	-	3	2	66.7	10	10	100.0
10	0	0	-	0	0	-	2	2	100.0	6	5	83.3
11	0	0	-	0	0	-	4	2	50.0	3	3	100.0
12	0	0	-	0	0	-	1	1	100.0	2	1	50.0
13	0	0	-	0	0	-	0	0	-	2	2	100.0
14	0	0	-	0	0	-	1	0	0.0	1	1	100.0
15	1	1	100.0	0	0	-	2	1	50.0	1	0	0.0
16	0	0	-	0	0	-	2	2	100.0	5	5	100.0
17	0	0	-	0	0	-	1	1	100.0	2	0	0.0
18	0	0	-	0	0	-	2	1	50.0	0	0	-
19	0	0	-	0	0	-	0	0	-	0	0	-
20	0	0	-	0	0	-	1	0	0.0	0	0	-
Total	3	1	33.3	2	0	0.0	122	53	43.4	68	41	60.3
≥=10 only	1	1	100.0	0	0	-	16	10	62.5	22	17	77.3

Age	Washington 1967 February n	p	%	November n	p	%	December n	p	%	Washington 1968 January n	p	%
3	6	0	0.0	0	0	-	11	0	0.0	2	0	0.0
4	4	0	0.0	0	0	-	4	2	50.0	16	1	6.2
5	3	2	66.7	1	1	100.0	4	3	75.0	6	1	16.7
6	6	4	66.7	0	0	-	10	5	50.0	6	5	83.3
7	4	4	100.0	0	0	-	8	7	87.5	9	5	55.6
8	3	3	100.0	1	1	100.0	8	7	87.5	4	4	100.0
9	2	2	100.0	0	0	-	3	1	33.3	7	5	71.4
10	5	5	100.0	0	0	-	5	4	80.0	9	8	88.9
11	1	1	100.0	0	0	-	5	5	100.0	4	4	100.0
12	1	1	100.0	0	0	-	1	1	100.0	8	8	100.0
13	1	1	100.0	0	0	-	1	1	100.0	2	2	100.0
14	0	0	-	0	0	-	2	2	100.0	1	1	100.0
15	2	2	100.0	0	0	-	2	2	100.0	3	3	100.0
16	1	1	100.0	0	0	-	0	0	-	4	4	100.0
17	0	0	-	0	0	-	2	2	100.0	4	4	100.0
18	0	0	-	0	0	-	2	2	100.0	0	0	-
19	0	0	-	0	0	-	1	1	100.0	0	0	-
20	1	0	0.0	0	0	-	0	0	-	0	0	-
21	0	0	-	0	0	-	1	0	0.0	0	0	-
22	1	0	0.0	0	0	-	1	0	0.0	0	0	-
Total	41	26	63.4	2	2	100.0	71	45	63.4	85	55	64.7
≥=10 only	13	11	84.6	0	0	-	23	20	87.0	35	34	97.1

Age	Washington 1968 February n	p	%	Washington 1969 February n	p	%	March n	p	%	Washington 1970 March n	p	%
3	4	0	0.0	5	0	0.0	14	0	0.0	14	0	0.0
4	18	0	0.0	10	0	0.0	22	1	4.5	10	0	0.0
5	7	4	57.1	7	2	28.6	16	6	37.5	22	7	31.8
6	12	11	91.7	8	4	50.0	15	9	60.0	19	10	52.6
7	16	9	56.2	11	8	72.7	16	9	56.2	12	11	91.7
8	2	1	50.0	10	8	80.0	12	8	66.7	5	4	80.0
9	9	7	77.8	1	1	100.0	4	4	100.0	10	9	90.0

Age	Washington 1968 (Continued) February			Washington 1969 (Continued) February			Washington 1969 (Continued) March			Washington 1970 (Continued) March		
	n	p	%	n	p	%	n	p	%	n	p	%
10	11	8	72.7	9	6	66.7	12	11	91.7	6	4	66.7
11	12	9	75.0	13	9	69.2	13	10	76.9	8	7	87.5
12	9	7	77.8	7	6	85.7	17	14	82.4	6	4	66.7
13	2	2	100.0	4	0	0.0	7	4	57.1	7	5	71.4
14	4	3	75.0	3	2	66.7	4	3	75.0	0	0	-
15	8	7	87.5	1	1	100.0	3	3	100.0	1	1	100.0
16	4	4	100.0	1	0	0.0	4	3	75.0	2	2	100.0
17	2	1	50.0	5	3	60.0	2	1	50.0	0	0	-
18	1	1	100.0	3	2	66.7	1	1	100.0	3	0	0.0
19	0	0	-	0	0	-	2	1	50.0	1	0	0.0
20	0	0	-	0	0	-	0	0	-	0	0	-
21	0	0	-	0	0	-	0	0	-	1	0	0.0
Total	121	74	61.2	98	52	53.1	164	88	53.7	127	64	50.4
≥=10 only	53	42	79.2	46	29	63.0	65	51	78.5	35	23	65.7

Age	Washington 1970 April			Washington 1970 May			Washington 1970 June			Washington 1971 March		
	n	p	%	n	p	%	n	p	%	n	p	%
3	7	0	0.0	36	0	0.0	5	0	0.0	6	0	0.0
4	9	0	0.0	36	0	0.0	11	0	0.0	15	0	0.0
5	4	2	50.0	10	4	40.0	1	0	0.0	7	2	28.6
6	8	4	50.0	12	11	91.7	2	1	50.0	8	6	75.0
7	1	1	100.0	6	4	66.7	0	0	-	7	7	100.0
8	7	6	85.7	11	9	81.8	0	0	-	7	6	85.7
9	2	1	50.0	9	6	66.7	1	1	100.0	5	2	40.0
10	2	1	50.0	5	3	60.0	0	0	-	5	2	40.0
11	1	0	0.0	5	4	80.0	0	0	-	5	4	80.0
12	3	2	66.7	4	3	75.0	0	0	-	7	5	71.4
13	2	1	50.0	5	3	60.0	0	0	-	4	4	100.0
14	0	0	-	1	1	100.0	0	0	-	1	1	100.0
15	0	0	-	4	4	100.0	0	0	-	0	0	-
16	0	0	-	1	1	100.0	0	0	-	2	1	50.0
17	0	0	-	0	0	-	0	0	-	0	0	-
18	0	0	-	2	1	50.0	1	0	0.0	0	0	-

Age	Washington 1970 (Continued) April n	April p	April %	May n	May p	May %	June n	June p	June %	Washington 1971 (Continued) March n	March p	March %
19	0	0	-	1	0	0.0	0	0	-	0	0	-
20	0	0	-	0	0	-	0	0	-	0	0	-
21	0	0	-	0	0	-	0	0	-	0	0	-
22	0	0	-	0	0	-	0	0	-	1	1	100.0
Total	46	18	39.1	148	54	36.5	21	2	9.5	80	41	51.2
≥=10 only	8	4	50.0	28	20	71.4	1	0	0.0	25	18	72.0

Age	Washington 1971 April n	April p	April %	May n	May p	May %	Washington 1972 March n	March p	March %	April n	April p	April %
3	16	0	0.0	17	0	0.0	4	0	0.0	3	0	0.0
4	14	0	0.0	27	0	0.0	4	0	0.0	7	0	0.0
5	9	2	22.2	8	2	25.0	10	0	0.0	8	2	25.0
6	11	7	63.6	7	5	71.4	7	6	85.7	6	0	0.0
7	11	9	81.8	5	4	80.0	5	4	80.0	4	0	0.0
8	6	5	83.3	2	1	50.0	7	6	85.7	7	5	71.4
9	3	1	33.3	3	3	100.0	4	2	50.0	5	3	60.0
10	6	6	100.0	7	6	85.7	7	5	71.4	5	5	100.0
11	1	1	100.0	4	3	75.0	7	6	85.7	2	2	100.0
12	6	5	83.3	3	3	100.0	3	2	66.7	1	1	100.0
13	4	4	100.0	0	0	-	4	4	100.0	3	3	100.0
14	2	1	50.0	0	0	-	3	2	66.7	1	1	100.0
15	4	2	50.0	0	0	-	1	1	100.0	2	0	0.0
16	0	0	-	1	1	100.0	0	0	-	1	0	0.0
17	2	0	0.0	0	0	-	0	0	-	1	0	0.0
18	3	3	100.0	0	0	-	0	0	-	1	1	100.0
19	0	0	-	0	0	-	0	0	-	0	0	-
20	1	1	100.0	0	0	-	0	0	-	0	0	-
Total	99	47	47.5	84	28	33.3	66	38	57.6	57	23	40.4
≥=10 only	29	23	79.3	15	13	86.7	25	20	80.0	17	13	76.5

Age	Washington 1972			British Columbia 1960						British Columbia 1961		
	May			June			August			January		
	n	p	%	n	p	%	n	p	%	n	p	%
3	8	0	0.0	1	0	0.0	0	0	-	1	0	0.0
4	6	0	0.0	0	0	-	0	0	-	1	0	0.0
5	18	3	16.7	0	0	-	0	0	-	0	0	-
6	13	7	53.8	0	0	-	0	0	-	0	0	-
7	11	7	63.6	1	0	0.0	0	0	-	0	0	-
8	6	5	83.3	0	0	-	0	0	-	1	1	100.0
9	4	3	75.0	0	0	-	0	0	-	0	0	-
10	5	4	80.0	0	0	-	0	0	-	1	1	100.0
11	6	6	100.0	1	1	100.0	0	0	-	0	0	-
12	4	4	100.0	0	0	-	0	0	-	0	0	-
13	1	1	100.0	0	0	-	0	0	-	1	1	100.0
14	1	1	100.0	0	0	-	0	0	-	0	0	-
15	3	3	100.0	0	0	-	0	0	-	0	0	-
16	2	2	100.0	0	0	-	0	0	-	0	0	-
17	1	1	100.0	0	0	-	0	0	-	0	0	-
18	0	0	-	0	0	-	0	0	-	0	0	-
19	1	0	0.0	0	0	-	0	0	-	0	0	-
Total	90	47	52.2	3	1	33.3	0	0	-	5	3	60.0
≥=10 only	24	22	91.7	1	1	100.0	0	0	-	2	2	100.0

Age	British Columbia 1961						Gulf of Alaska 1958					
	February			March			February			March		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	0	0	-	0	0	-	0	0	-
4	1	0	0.0	0	0	-	1	0	0.0	0	0	-
5	0	0	-	0	0	-	1	1	100.0	0	0	-
6	2	2	100.0	0	0	-	0	0	-	0	0	-
7	1	1	100.0	0	0	-	0	0	-	1	1	100.0
8	4	3	75.0	0	0	-	0	0	-	1	1	100.0
9	2	2	100.0	0	0	-	0	0	-	1	1	100.0
10	5	5	100.0	0	0	-	4	4	100.0	3	3	100.0
11	2	2	100.0	0	0	-	1	1	100.0	6	5	83.3
12	2	2	100.0	0	0	-	7	5	71.4	10	9	90.0
13	4	4	100.0	0	0	-	3	2	66.7	22	17	77.3
14	4	4	100.0	0	0	-	7	5	71.4	16	12	75.0

Age	British Columbia 1961 (Continued)						Gulf of Alaska 1958 (Continued)					
	February			March			February			March		
	n	p	%	n	p	%	n	p	%	n	p	%
15	4	4	100.0	1	1	100.0	4	3	75.0	16	13	81.2
16	7	6	85.7	1	0	0.0	5	3	60.0	20	17	85.0
17	0	0	-	0	0	-	4	1	25.0	14	10	71.4
18	4	1	25.0	0	0	-	3	1	33.3	8	5	62.5
19	0	0	-	0	0	-	0	0	-	9	3	33.3
20	3	3	100.0	0	0	-	1	1	100.0	1	0	0.0
21	0	0	-	0	0	-	0	0	-	1	1	100.0
22	0	0	-	0	0	-	0	0	-	1	0	0.0
23	0	0	-	0	0	-	0	0	-	0	0	-
24	1	0	0.0	0	0	-	0	0	-	0	0	-
Total	46	39	84.8	2	1	50.0	41	27	65.9	130	98	75.4
≥=10 only	36	31	86.1	2	1	50.0	39	26	66.7	127	95	74.8

Age	Gulf of Alaska 1958									Gulf of Alaska 1960		
	April			May			June			March		
	n	p	%	n	p	%	n	p	%	n	p	%
3	2	0	0.0	5	0	0.0	0	0	-	0	0	-
4	2	0	0.0	9	0	0.0	0	0	-	1	0	0.0
5	0	0	-	20	6	30.0	1	0	0.0	0	0	-
6	1	1	100.0	37	30	81.1	0	0	-	1	1	100.0
7	0	0	-	35	32	91.4	1	1	100.0	4	3	75.0
8	3	3	100.0	46	40	87.0	2	2	100.0	3	3	100.0
9	5	4	80.0	19	19	100.0	2	2	100.0	5	5	100.0
10	1	1	100.0	31	28	90.3	4	3	75.0	9	8	88.9
11	2	2	100.0	42	38	90.5	3	3	100.0	7	6	85.7
12	5	5	100.0	48	41	85.4	4	2	50.0	7	6	85.7
13	3	3	100.0	34	28	82.4	3	2	66.7	20	18	90.0
14	2	1	50.0	26	22	84.6	3	2	66.7	20	17	85.0
15	3	3	100.0	16	13	81.2	3	0	0.0	10	9	90.0
16	1	1	100.0	16	12	75.0	0	0	-	15	11	73.3

	Gulf of Alaska 1958 (Continued)									Gulf of Alaska 1960 (Continued)		
Age	April			May			June			March		
	n	p	%	n	p	%	n	p	%	n	p	%
17	0	0	-	8	3	37.5	0	0	-	14	9	64.3
18	0	0	-	3	3	100.0	0	0	-	5	4	80.0
19	0	0	-	1	1	100.0	1	0	0.0	5	4	80.0
20	0	0	-	1	0	0.0	0	0	-	1	0	0.0
21	0	0	-	0	0	-	0	0	-	3	2	66.7
Total	30	24	80.0	397	316	79.6	27	17	63.0	130	106	81.5
≥=10 only	17	16	94.1	226	189	83.6	21	12	57.1	116	94	81.0

	Gulf of Alaska 1960									Gulf of Alaska 1961		
Age	April			May			June			March		
	n	p	%	n	p	%	n	p	%	n	p	%
3	4	0	0.0	3	0	0.0	0	0	-	0	0	-
4	2	0	0.0	15	0	0.0	0	0	-	0	0	-
5	3	1	33.3	11	2	18.2	0	0	-	0	0	-
6	4	1	25.0	8	7	87.5	0	0	-	0	0	-
7	9	7	77.8	22	16	72.7	1	1	100.0	0	0	-
8	17	15	88.2	37	27	73.0	2	2	100.0	0	0	-
9	23	21	91.3	44	39	88.6	0	0	-	0	0	-
10	30	27	90.0	46	42	91.3	1	0	0.0	0	0	-
11	35	30	85.7	44	40	90.9	0	0	-	1	1	100.0
12	30	28	93.3	41	36	87.8	2	2	100.0	0	0	-
13	30	28	93.3	36	30	83.3	0	0	-	0	0	-
14	21	16	76.2	34	27	79.4	0	0	-	0	0	-
15	21	18	85.7	27	22	81.5	0	0	-	0	0	-
16	4	4	100.0	17	13	76.5	0	0	-	0	0	-
17	12	9	75.0	12	10	83.3	0	0	-	0	0	-
18	2	2	100.0	7	6	85.7	0	0	-	0	0	-
19	1	0	0.0	8	2	25.0	0	0	-	0	0	-
20	0	0	-	3	0	0.0	0	0	-	0	0	-
21	1	0	0.0	1	0	0.0	0	0	-	0	0	-

Age	Gulf of Alaska 1960 (Continued) April n	p	%	May n	p	%	June n	p	%	Gulf of Alaska 1961 (Continued) March n	p	%
22	0	0	-	0	0	-	0	0	-	0	0	-
23	0	0	-	0	0	-	0	0	-	0	0	-
24	0	0	-	1	0	0.0	0	0	-	0	0	-
Total	249	207	83.1	417	319	76.5	6	5	83.3	1	1	100.0
≥=10 only	187	162	86.6	277	228	82.3	3	2	66.7	1	1	100.0

Age	Gulf of Alaska 1962 May n	p	%	Gulf of Alaska 1968 May n	p	%	June n	p	%	August n	p	%
3	0	0	-	3	0	0.0	0	0	-	1	0	0.0
4	0	0	-	5	0	0.0	1	0	0.0	0	0	-
5	0	0	-	4	1	25.0	1	0	0.0	0	0	-
6	0	0	-	2	1	50.0	1	1	100.0	0	0	-
7	0	0	-	6	6	100.0	1	1	100.0	0	0	-
8	0	0	-	3	3	100.0	1	0	0.0	0	0	-
9	0	0	-	4	3	75.0	1	1	100.0	0	0	-
10	0	0	-	3	3	100.0	1	1	100.0	0	0	-
11	0	0	-	5	4	80.0	0	0	-	0	0	-
12	2	2	100.0	6	6	100.0	2	1	50.0	0	0	-
13	0	0	-	7	6	85.7	2	2	100.0	0	0	-
14	1	1	100.0	5	4	80.0	0	0	-	0	0	-
15	0	0	-	1	1	100.0	0	0	-	0	0	-
16	0	0	-	5	4	80.0	3	3	100.0	0	0	-
17	0	0	-	3	3	100.0	0	0	-	0	0	-
18	0	0	-	2	2	100.0	0	0	-	0	0	-
19	0	0	-	2	2	100.0	0	0	-	0	0	-
20	0	0	-	2	1	50.0	0	0	-	0	0	-

Age	Gulf of Alaska 1962 (Continued) May			Gulf of Alaska 1968 (Continued) May			June			August		
	n	p	%	n	p	%	n	p	%	n	p	%
21	0	0	-	1	1	100.0	0	0	-	0	0	-
22	0	0	-	1	0	0.0	0	0	-	0	0	-
23	0	0	-	0	0	-	0	0	-	0	0	-
24	0	0	-	0	0	-	0	0	-	0	0	-
Total	3	3	100.0	70	51	72.9	14	10	71.4	1	0	0.0
≥=10 only	3	3	100.0	43	37	86.0	8	7	87.5	0	0	-

Age	Western Alaska 1958 June			Western Alaska 1960 June			Western Alaska 1962 May			June		
	n	p	%	n	p	%	n	p	%	n	p	%
3	3	0	0.0	1	0	0.0	0	0	-	12	0	0.0
4	4	0	0.0	1	0	0.0	2	0	0.0	23	1	4.3
5	4	3	75.0	3	3	100.0	0	0	-	21	4	19.0
6	10	7	70.0	3	2	66.7	1	1	100.0	13	8	61.5
7	12	10	83.3	3	2	66.7	2	1	50.0	26	23	88.5
8	5	5	100.0	16	15	93.7	3	2	66.7	29	26	89.7
9	10	9	90.0	20	20	100.0	1	0	0.0	21	16	76.2
10	8	6	75.0	13	13	100.0	0	0	-	15	12	80.0
11	9	9	100.0	19	18	94.7	0	0	-	11	10	90.9
12	8	5	62.5	11	10	90.9	2	1	50.0	16	15	93.7
13	7	7	100.0	9	9	100.0	2	2	100.0	8	8	100.0
14	8	8	100.0	8	8	100.0	1	0	0.0	4	4	100.0
15	2	2	100.0	3	2	66.7	1	1	100.0	6	6	100.0
16	0	0	-	8	6	75.0	2	2	100.0	7	6	85.7
17	1	1	100.0	5	2	40.0	0	0	-	3	3	100.0
18	2	1	50.0	3	2	66.7	0	0	-	3	2	66.7
19	0	0	-	1	1	100.0	0	0	-	0	0	-
20	0	0	-	0	0	-	1	1	100.0	0	0	-
Total	93	73	78.5	127	113	89.0	18	11	61.1	218	144	66.1
≥=10 only	45	39	86.7	80	71	88.7	9	7	77.8	73	66	90.4

Age	Western Alaska 1962											
	July			August			September			October		
	n	p	%	n	p	%	n	p	%	n	p	%
3	1	0	0.0	26	0	0.0	5	0	0.0	1	0	0.0
4	7	0	0.0	17	0	0.0	6	0	0.0	3	0	0.0
5	1	0	0.0	7	0	0.0	2	0	0.0	0	0	-
6	1	0	0.0	1	0	0.0	0	0	-	0	0	-
7	1	0	0.0	5	0	0.0	0	0	-	0	0	-
8	1	1	100.0	1	0	0.0	0	0	-	0	0	-
9	0	0	-	1	0	0.0	1	0	0.0	0	0	-
10	0	0	-	0	0	-	3	0	0.0	0	0	-
11	0	0	-	2	0	0.0	0	0	-	0	0	-
12	0	0	-	2	0	0.0	2	0	0.0	0	0	-
13	0	0	-	0	0	-	1	0	0.0	0	0	-
14	1	0	0.0	0	0	-	1	0	0.0	0	0	-
15	0	0	-	1	0	0.0	0	0	-	0	0	-
16	0	0	-	0	0	-	0	0	-	0	0	-
17	0	0	-	1	0	0.0	2	0	0.0	0	0	-
18	0	0	-	0	0	-	1	0	0.0	0	0	-
19	0	0	-	0	0	-	0	0	-	0	0	-
20	0	0	-	0	0	-	1	0	0.0	0	0	-
Total	13	1	7.7	64	0	0.0	25	0	0.0	4	0	0.0
≥=only	1	0	0.0	6	0	0.0	11	0	0.0	0	0	-

Age	Western Alaska 1968						Eastern Bering Sea 1958			Eastern Bering Sea 1960		
	June			July			June			June		
	n	p	%	n	p	%	n	p	%	n	p	%
3	0	0	-	4	0	0.0	0	0	-	1	0	0.0
4	7	2	28.6	4	0	0.0	0	0	-	3	0	0.0
5	3	2	66.7	2	1	50.0	0	0	-	4	4	100.0
6	9	9	100.0	1	0	0.0	1	0	0.0	2	1	50.0
7	10	10	100.0	2	2	100.0	0	0	-	6	5	83.3
8	13	10	76.9	0	0	-	1	1	100.0	2	2	100.0
9	4	4	100.0	0	0	-	0	0	-	12	12	100.0
10	7	7	100.0	1	1	100.0	0	0	-	1	1	100.0
11	9	9	100.0	0	0	-	0	0	-	4	3	75.0
12	6	6	100.0	0	0	-	0	0	-	1	1	100.0
13	3	3	100.0	0	0	-	0	0	-	0	0	-
14	5	5	100.0	0	0	-	0	0	-	1	0	0.0

Age	Western Alaska 1968 (Continued)						Eastern Bering Sea 1958 (Continued)			Eastern Bering Sea 1960 (Continued)		
	June			July			June			June		
	n	p	%	n	p	%	n	p	%	n	p	%
15	7	6	85.7	0	0	-	0	0	-	1	0	0.0
16	2	2	100.0	0	0	-	0	0	-	1	0	0.0
17	6	6	100.0	2	1	50.0	0	0	-	0	0	-
18	3	2	66.7	0	0	-	0	0	-	2	0	0.0
19	2	1	50.0	0	0	-	0	0	-	0	0	-
20	1	1	100.0	0	0	-	0	0	-	1	0	0.0
Total	97	85	87.6	16	5	31.2	2	1	50.0	42	29	69.0
≥=10 only	51	48	94.1	3	2	66.7	0	0	0.0	12	5	41.7

Age	Eastern Bering Sea 1960						Eastern Bering Sea 1962					
	July			August			June			July		
	n	p	%	n	p	%	n	p	%	n	p	%
3	6	0	0.0	3	0	0.0	1	0	0.0	7	0	0.0
4	9	0	0.0	5	0	0.0	3	0	0.0	19	0	0.0
5	25	9	36.0	9	0	0.0	7	3	42.9	28	2	7.1
6	17	5	29.4	10	0	0.0	5	3	60.0	28	6	21.4
7	16	4	25.0	4	0	0.0	6	6	100.0	23	8	34.8
8	19	3	15.8	9	0	0.0	3	3	100.0	23	9	39.1
9	32	7	21.9	8	0	0.0	3	3	100.0	16	6	37.5
10	16	2	12.5	13	0	0.0	8	7	87.5	15	8	53.3
11	21	6	28.6	6	0	0.0	7	6	85.7	19	6	31.6
12	9	1	11.1	5	0	0.0	6	6	100.0	17	7	41.2
13	17	1	5.9	8	0	0.0	1	1	100.0	11	0	0.0
14	21	0	0.0	2	0	0.0	6	5	83.3	17	2	11.8
15	3	0	0.0	2	0	0.0	4	4	100.0	9	3	33.3
16	6	0	0.0	0	0	-	2	2	100.0	9	1	11.1
17	2	0	0.0	1	0	0.0	3	1	33.3	10	3	30.0
18	3	0	0.0	1	0	0.0	5	5	100.0	2	1	50.0
19	2	0	0.0	2	0	0.0	2	2	100.0	3	1	33.3
20	2	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0

Age	Eastern Bering Sea 1960 (Continued)						Eastern Bering Sea 1962 (Continued)					
	July			August			June			July		
	n	p	%	n	p	%	n	p	%	n	p	%
21	1	0	0.0	0	0	-	0	0	-	0	0	-
22	0	0	-	0	0	-	0	0	-	2	0	0.0
23	1	0	0.0	0	0	-	0	0	-	0	0	-
Total	228	38	16.7	88	0	0.0	73	58	79.5	259	64	24.7
≥=10 only	104	10	9.6	40	0	0.0	45	40	88.9	115	33	28.7

Age	Eastern Bering Sea 1962									Eastern Bering Sea 1963		
	August			September			October			July		
	n	p	%	n	p	%	n	p	%	n	p	%
3	22	0	0.0	15	0	0.0	3	0	0.0	7	0	0.0
4	39	0	0.0	17	0	0.0	4	0	0.0	32	0	0.0
5	34	0	0.0	18	0	0.0	5	0	0.0	56	16	28.6
6	15	0	0.0	8	0	0.0	0	0	-	28	6	21.4
7	20	0	0.0	9	0	0.0	1	0	0.0	29	5	17.2
8	21	0	0.0	13	0	0.0	4	0	0.0	31	9	29.0
9	26	0	0.0	4	0	0.0	0	0	-	21	5	23.8
10	39	0	0.0	17	0	0.0	3	0	0.0	16	3	18.7
11	34	0	0.0	13	0	0.0	5	0	0.0	23	6	26.1
12	37	0	0.0	10	0	0.0	3	0	0.0	28	3	10.7
13	27	0	0.0	5	0	0.0	3	0	0.0	31	5	16.1
14	20	0	0.0	10	0	0.0	4	0	0.0	17	2	11.8
15	24	0	0.0	7	0	0.0	1	0	0.0	22	4	18.2
16	25	0	0.0	3	0	0.0	2	0	0.0	14	1	7.1
17	20	0	0.0	4	0	0.0	1	0	0.0	5	0	0.0
18	13	0	0.0	1	0	0.0	0	0	-	3	0	0.0
19	8	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0
20	5	1	20.0	2	0	0.0	0	0	-	2	0	0.0

	Eastern Bering Sea 1962 (Continued)									Eastern Bering Sea 1963 (Continued)		
Age	August			September			October			July		
	n	p	%	n	p	%	n	p	%	n	p	%
21	2	0	0.0	1	0	0.0	0	0	-	1	0	0.0
22	1	0	0.0	0	0	-	0	0	-	0	0	-
23	0	0	-	0	0	-	0	0	-	1	0	0.0
24	1	0	0.0	0	0	-	0	0	-	0	0	-
Total	433	1	0.2	158	0	0.0	40	0	0.0	368	65	17.7
≥=10 only	256	1	0.4	74	0	0.0	23	0	0.0	164	24	14.6

	Eastern Bering Sea 1963						Eastern Bering Sea 1964					
Age	August			September			July			August		
	n	p	%	n	p	%	n	p	%	n	p	%
3	44	0	0.0	2	0	0.0	18	0	0.0	20	0	0.0
4	80	0	0.0	1	0	0.0	13	0	0.0	19	0	0.0
5	102	0	0.0	4	0	0.0	20	6	30.0	34	0	0.0
6	60	0	0.0	2	0	0.0	10	4	40.0	43	0	0.0
7	44	0	0.0	4	0	0.0	6	3	50.0	27	0	0.0
8	54	0	0.0	2	0	0.0	7	2	28.6	23	0	0.0
9	38	0	0.0	1	0	0.0	2	1	50.0	20	0	0.0
10	53	0	0.0	3	0	0.0	8	3	37.5	23	0	0.0
11	64	0	0.0	1	0	0.0	2	0	0.0	19	0	0.0
12	63	0	0.0	1	0	0.0	2	0	0.0	25	0	0.0
13	44	0	0.0	1	0	0.0	8	1	12.5	14	0	0.0
14	40	0	0.0	0	0	-	8	2	25.0	13	0	0.0
15	51	0	0.0	2	0	0.0	3	0	0.0	19	0	0.0
16	31	0	0.0	0	0	0.0	2	0	0.0	7	0	0.0
17	23	0	0.0	0	0	0.0	2	0	0.0	5	0	0.0
18	9	0	0.0	0	0	0.0	5	0	0.0	5	0	0.0
19	4	0	0.0	0	0	0.0	2	0	0.0	2	0	0.0

Age	Eastern Bering Sea 1963 (Continued)						Eastern Bering Sea 1964 (Continued)					
	August			September			July			August		
	n	p	%	n	p	%	n	p	%	n	p	%
20	9	0	0.0	0	0	-	1	0	0.0	2	0	0.0
21	3	0	0.0	0	0	-	0	0	-	0	0	-
22	0	0	-	0	0	-	0	0	-	0	0	-
23	1	0	0.0	0	0	-	0	0	-	0	0	-
Total	817	0	0.0	24	0	0.0	119	22	18.5	320	0	0.0
≥=10 only	395	0	0.0	8	0	0.0	43	6	14.0	134	0	0.0

Age	Eastern Bering Sea 1964			Eastern Bering Sea 1968						Eastern Bering Sea 1973		
	September			July			August			July		
	n	p	%	n	p	%	n	p	%	n	p	%
3	2	0	0.0	5	0	0.0	9	0	0.0	1	0	0.0
4	0	0	-	14	0	0.0	19	0	0.0	4	0	0.0
5	3	0	0.0	7	1	14.3	3	0	0.0	8	1	12.5
6	0	0	-	7	1	14.3	4	0	0.0	23	0	0.0
7	0	0	-	8	3	37.5	7	0	0.0	20	0	0.0
8	2	0	0.0	5	2	40.0	3	0	0.0	20	0	0.0
9	2	0	0.0	4	1	25.0	2	0	0.0	23	0	0.0
10	2	0	0.0	5	2	40.0	1	0	0.0	16	1	6.2
11	8	0	0.0	2	1	50.0	2	0	0.0	12	0	0.0
12	3	0	0.0	2	0	0.0	3	0	0.0	13	0	0.0
13	4	0	0.0	5	1	20.0	3	0	0.0	10	0	0.0
14	3	0	0.0	6	2	33.3	4	0	0.0	8	0	0.0
15	4	0	0.0	5	0	0.0	4	0	0.0	6	0	0.0
16	2	0	0.0	1	0	0.0	5	0	0.0	5	0	0.0
17	2	0	0.0	2	1	50.0	4	0	0.0	4	0	0.0

Age	Eastern Bering Sea 1964 (Continued)			Eastern Bering Sea 1968 (Continued)						Eastern Bering Sea 1973 (Continued)		
	September			July			August			July		
	n	p	%	n	p	%	n	p	%	n	p	%
18	1	0	0.0	2	0	0.0	1	0	0.0	1	0	0.0
19	1	0	0.0	3	0	0.0	1	0	0.0	0	0	-
20	1	0	0.0	0	0	-	3	0	0.0	0	0	-
21	0	0	-	2	0	0.0	0	0	-	0	0	-
22	0	0	-	1	0	0.0	0	0	-	0	0	-
Total	40	0	0.0	86	15	17.4	78	0	0.0	174	2	1.1
≥=10 only	31	0	0.0	36	7	19.4	31	0	0.0	75	1	1.3

Age	Eastern Bering Sea 1973					
	August			September		
	n	p	%	n	p	%
3	14	0	0.0	21	0	0.0
4	18	0	0.0	17	0	0.0
5	19	0	0.0	17	0	0.0
6	26	0	0.0	18	0	0.0
7	25	0	0.0	21	0	0.0
8	17	0	0.0	14	0	0.0
9	18	0	0.0	16	0	0.0
10	14	0	0.0	18	0	0.0
11	12	0	0.0	16	0	0.0
12	16	0	0.0	10	0	0.0
13	13	0	0.0	8	0	0.0
14	5	0	0.0	7	0	0.0
15	8	0	0.0	5	0	0.0
16	6	0	0.0	7	0	0.0
17	0	0	-	0	0	-
18	5	0	0.0	0	0	-
19	2	0	0.0	0	0	-
20	0	0	-	2	0	0.0
Total	218	0	0.0	197	0	0.0
≥=10 only	81	0	0.0	73	0	0.0

Reproductive Condition

Tables 4.1 and 4.2 give the data on reproductive condition and utilize the 3-digit numbering system to designate areas. In effect, these tables break down the summary, in Table 3, of pregnant and non-pregnant animals into nulliparous, primiparous, and multiparous categories on the basis of uterine examinations. Additional detail on reproductive condition based on ovarian examinations is given in Tables 5.1 and 5.2.

Table 4.1.1

Reproductive condition (uterine) of female fur seals collected by Canada off California.
(N = nulliparous, P = primiparous, M = multiparous)

1965 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Table 4.1.2

Reproductive condition (uterine) of female fur seals collected by Canada off Oregon.
(N = nulliparous, P = primiparous, M = multiparous)

1965 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	1	3	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	M	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

1965 - May

Condition		Age																													
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2

Table 4.1.3

Reproductive condition (uterine) of female fur seals collected by Canada off Washington.
(N = nulliparous, P = primiparous, M = multiparous)

1958 - February

Condition		Age																													
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1958 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	32	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
	P	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2
Pregnant	P	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	3	4	2	2	1	1	1	2	1	0	4	1	0	0	0	0	0	0	0	0	3	1	26

1958 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	M	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1958 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	15	5	14	9	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	1	6	5	2	2	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	23

1959 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	13	2	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	2	4	7	7	3	0	1	1	1	0	2	2	0	0	0	0	0	0	0	0	0	0	3	33

1959 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	14	10	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	31
	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	M	0	0	0	0	0	2	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Pregnant	P	0	0	0	0	2	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	M	0	0	0	0	0	0	9	12	11	11	4	0	3	3	0	3	6	1	0	0	0	0	0	0	0	0	0	0	0	63

1959 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	18	7	1	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
	M	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	5	4	3	3	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19

1960 - March

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	13	12	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35
	P	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	1	2	2	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Pregnant	P	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	1	5	5	6	9	10	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	2	49

1960 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A+	UNK	TOTAL
Non Preg.	N	0	6	14	16	4	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
	P	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	2	0	2	3	3	3	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	18
Pregnant	P	0	0	0	0	0	5	3	4	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
	M	0	0	0	0	0	0	4	14	19	14	10	3	5	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	76

1960 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	6	25	24	6	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
	P	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	1	2	3	1	4	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	15
Pregnant	P	0	0	0	0	0	3	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	M	0	0	0	0	0	1	3	11	6	2	3	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	31

1961 - March

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	16	5	3	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
	P	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	M	0	0	0	0	0	0	1	0	3	2	2	0	2	1	0	1	2	0	1	0	0	0	0	0	0	0	0	0	0	15

1961 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	14	11	9	19	7	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
	P	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	3	0	0	0	0	0	0	0	0	0	1	8
Pregnant	P	0	0	0	0	0	0	4	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9
	M	0	0	0	0	0	1	4	2	8	7	4	1	1	1	6	4	1	1	0	0	1	0	0	0	0	0	0	0	4	46

1961 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	12	14	18	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
	P	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	0	0	2	1	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Pregnant	P	0	0	0	0	0	0	1	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	1	0	1	6	3	2	2	0	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	21

1961 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1

1962 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	5	1	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

1962 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	22	1	11	12	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5
	M	0	0	0	0	0	0	0	3	0	1	0	1	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	10

1962 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1963 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

1963 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1964 - April

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	1	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Pregnant	P	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

1964 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1965 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1966 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	38	0	6	15	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4
Pregnant	P	0	0	0	0	0	4	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	M	0	0	0	0	0	1	0	5	3	0	2	3	0	1	3	0	1	0	0	0	0	0	0	0	0	0	0	3	0	22

1966 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	12	4	6	3	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	5
Pregnant	P	0	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	0	0	5	2	5	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16

1967 - March

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≤10	UNK	TOTAL
Non Preg.	N	0	1	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2

1967 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	3	8	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
	P	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	1	2	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	7
Pregnant	P	0	0	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	1	3	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12

1967 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	4	9	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
	M	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3

1968 - March

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	20	1	3	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
	M	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4
Pregnant	M	0	0	0	0	0	0	0	0	2	0	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6

1968 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	12	8	18	20	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	1	4	2	1	2	2	0	0	0	1	0	1	1	0	1	1	0	0	0	0	0	0	17
Pregnant	P	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	7	6	6	8	9	3	3	0	2	0	0	0	1	1	1	0	0	0	0	0	0	0	0	47

1968 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	1	1	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	2	0	0	1	0	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	7

1969 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	15	5	6	10	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
	P	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	1	0	3	0	1	2	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	10
Pregnant	P	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	2	4	5	3	5	4	5	3	1	1	2	0	0	1	0	0	0	0	0	0	0	0	0	36

1969 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	8	13	29	23	10	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
	P	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	3	0	0	1	1	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	10
Pregnant	P	0	0	0	0	0	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	M	0	0	0	0	0	2	1	3	0	3	3	1	3	0	2	0	1	0	0	1	2	1	0	0	0	0	0	0	0	23

1970 - January

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	2	4	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	M	0	0	0	0	0	0	1	0	1	0	1	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	0	1	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
	M	0	0	0	0	0	0	2	3	4	3	5	2	3	4	3	2	0	1	1	1	0	0	0	0	0	0	0	0	0	34

1970 - February

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	3	4	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	M	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	5	3	2	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16

1970 - March

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1971 - January

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	5	12	4	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
	P	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	1	2	1	2	0	0	2	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	12
Pregnant	P	0	0	0	0	0	3	6	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	M	0	0	0	0	0	0	1	6	7	4	2	3	5	3	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	36

1971 - February

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	1	3	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Pregnant	P	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1971 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	1	4	8	6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
	P	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Pregnant	P	0	0	0	0	0	4	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	M	0	0	0	0	0	0	2	7	4	3	3	3	6	2	1	1	1	2	0	1	0	0	0	0	0	0	0	0	0	36

1971 - April

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A+	UNK	TOTAL
Non Preg.	N	0	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1971 - December

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	1	0	1	4	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	4
Pregnant	P	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	1	0	2	0	1	1	0	0	0	0	0	0	0	0	8

1972 - January

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	6	0	4	3	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
	P	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	2	0	1	0	0	2	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	9
Pregnant	P	0	0	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	2	1	4	2	1	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14

1972 - February

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5

1972 - December

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	M	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1973 - January

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A+	UNK	TOTAL
Non Preg.	N	0	0	0	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	0	0	0	2	0	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6
Pregnant	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	2	5	1	1	2	2	1	2	2	0	3	0	0	0	0	0	0	0	0	0	0	0	21

1973 - February

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	1	0	1	0	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6

1973 - December

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

Table 4.1.4

Reproductive condition (uterine) of female fur seals collected by Canada off British Columbia.
(N = nulliparous, P = primiparous, M = multiparous)

1974 - January

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg	N	0	1	0	2	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	P	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	2	0	6	3	2	2	0	2	0	2	0	0	1	1	0	0	0	0	0	0	0	0	21

1958 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	33	1	3	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
	M	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	1	1	0	4	1	1	2	3	4	1	1	2	0	0	0	0	0	0	0	0	0	1	1	23

1958 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	28	1	7	12	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
	P	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	1	1	2	1	0	1	0	0	1	2	0	1	0	0	0	0	0	0	0	0	0	0	10
Pregnant	P	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	4	5	5	9	2	4	4	1	1	2	1	2	2	0	0	0	0	0	0	0	0	0	1	2	45

1958 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	4	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2
Pregnant	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	2	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

1958 - July

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1959 - January

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1959 - February

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

1959 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	4	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	3
Pregnant	M	0	0	0	0	0	0	1	1	0	2	0	0	1	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	1	12

1959 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	1	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6

1959 - June

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	M	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1959 - July

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1960 - February

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Pregnant	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

1960 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	P	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	1	0	1	2	2	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	10

1960 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	7	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	P	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

1960 - June

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1961 - February

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5
	P	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	7
Pregnant	M	0	0	0	0	0	0	1	1	4	3	4	0	2	2	2	1	4	1	1	0	0	1	0	0	0	0	0	0	2	29

1961 - March

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Pregnant	M	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

1961 - May

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	P	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1962 - February

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	6	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	M	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	7
Pregnant	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	2	7	3	7	2	3	2	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	29

1962 - June

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

1963 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	4	1	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1964 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1964 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13
	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	2	0	1	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6

1964 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	6	4	16	6	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	42
	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Pregnant	P	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1966 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A+	UNK	TOTAL
Non Preg.	N	0	0	4	3	7	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Pregnant	P	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1967 - June

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1968 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	4	7	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
	M	0	0	0	0	0	0	0	1	0	0	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	6
Pregnant	P	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	5	0	0	2	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	11

1969 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≤10	UNK	TOTAL
Non Preg.	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1

1972 - January

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1972 - February

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Table 4.1.5

Reproductive condition (uterine) of female fur seals collected by Canada in the Gulf of Alaska.
(N = nulliparous, P = primiparous, M = multiparous)

1958 - July

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	1	12	12	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
	P	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1959 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	4	1	0	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	9
	P	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	2	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	7
Pregnant	P	0	0	0	0	0	0	2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	1	0	9	18	15	11	10	1	2	3	3	4	2	1	2	2	1	0	0	0	0	0	0	0	3	88

1962 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	0	5	5	4	1	1	1	5	2	0	1	0	1	0	0	0	0	0	0	0	0	1	27

1962 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	8	21	19	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	1	3	2	6	5	1	1	2	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	26
Pregnant	P	0	0	0	0	0	7	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
	M	0	0	0	0	1	1	6	8	13	26	10	13	6	8	5	4	3	1	1	0	0	0	0	0	0	0	0	0	3	109

1963 - May

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A+	UNK	TOTAL
Non Preg.	N	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

1963 - June

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	2	8	7	4	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
	P	0	0	0	0	0	0	3	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	M	0	0	0	0	0	2	1	0	0	1	3	1	3	3	1	6	4	1	1	2	1	1	1	0	0	0	0	0	0	32
Pregnant	P	0	0	0	0	0	1	4	0	3	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	M	0	0	0	0	0	0	2	5	4	6	8	12	16	8	13	9	10	3	3	0	1	0	0	0	0	0	0	0	1	101

1963 - July

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	3	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Pregnant	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1968 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	3	11	24	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
	P	0	0	0	0	1	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	M	0	0	0	0	0	0	1	1	2	4	5	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	20
Pregnant	P	0	0	0	0	1	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	M	0	0	0	0	0	0	7	5	2	5	5	2	0	2	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	33

Table 4.1.6

Reproductive condition (uterine) of female fur seals collected by Canada off Western Alaska.
(N = nulliparous, P = primiparous, M = multiparous)

1968 - July

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	6	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
	M	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1974 - July

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A+	UNK	TOTAL
Non Preg.	N	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	1	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	7

Table 4.1.7

Reproductive condition (uterine) of female fur seals collected by Canada in the Eastern Bering Sea.
(N = nulliparous, P = primiparous, M = multiparous)

1974 - July

Condition		Age																													
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

Table 4.2.1

Reproductive condition (uterine) of female fur seals collected by the United States off California.
(N = nulliparous, P = primiparous, M = multiparous)

1958 - February

Condition		Age																													
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	9	1	5	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	2	1	3	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	9
Pregnant	P	0	0	0	1	0	5	9	3	2	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
	M	0	0	0	0	0	2	5	11	8	7	12	21	9	7	7	4	3	0	1	0	0	0	0	0	0	0	0	0	5	102

1958 - March

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	7	15	9	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
	P	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	1	1	2	1	2	2	4	1	4	4	3	3	1	0	0	0	0	0	0	0	0	0	0	29
Pregnant	P	0	0	0	0	0	7	7	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
	M	0	0	0	0	0	4	10	18	19	14	22	18	28	16	14	10	7	5	1	0	0	0	0	0	0	0	0	0	3	189

1958 - April

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	3	1	0	0	0	1	2	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	10
Pregnant	P	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	3	1	5	1	0	1	1	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	2	21

1959 - January

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	0	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
	M	0	0	0	0	0	0	0	1	2	1	1	0	1	0	0	0	2	1	1	0	0	0	1	1	0	0	0	0	0	12
Pregnant	P	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	5	9	11	3	8	4	4	6	6	16	5	4	3	2	0	1	0	0	0	0	0	0	1	88

1959 - February

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	5	12	34	14	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	76
	P	0	0	0	1	2	8	1	5	1	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	24
	M	0	0	0	0	0	3	3	10	6	3	7	5	1	6	7	5	9	5	1	3	1	0	2	0	0	0	1	0	2	80
Pregnant	P	0	0	0	0	4	22	12	9	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	57
	M	0	0	0	0	0	10	34	51	66	55	48	47	34	24	34	40	26	17	11	6	1	2	1	0	0	0	0	0	12	519

1959 - March

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	10	10	18	9	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	53
	P	0	0	0	0	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	3	10	6	3	1	1	2	0	2	0	1	1	0	0	1	1	0	0	0	0	0	0	1	33
Pregnant	P	0	0	0	0	1	7	11	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
	M	0	0	0	0	0	3	13	16	13	12	13	9	6	4	6	6	8	3	5	1	0	3	1	0	0	0	0	0	3	125

1959 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	3	6	12	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
	P	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	1	1	0	4	1	2	2	1	0	1	0	2	0	1	0	1	0	0	0	1	0	0	0	0	18
Pregnant	P	0	0	0	0	0	9	1	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
	M	0	0	0	0	0	2	6	7	9	7	4	13	6	4	9	7	4	3	1	2	0	0	0	0	0	0	0	0	0	84

1960 - December

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2

1961 - January

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	2	26	18	13	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
	P	0	0	0	0	0	0	0	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	0	3	10	3	2	3	4	7	3	7	3	5	2	1	0	1	0	1	0	0	0	0	0	55
Pregnant	P	0	0	0	0	1	4	3	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
	M	0	0	0	0	0	2	10	24	31	39	42	29	21	24	24	21	11	4	6	2	2	0	0	0	0	0	0	0	1	293

1961 - February

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	17	16	13	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
	P	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	1	4	0	1	4	4	2	2	4	1	2	1	2	0	0	0	0	0	0	0	0	0	28
Pregnant	P	0	0	0	0	0	2	9	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
	M	0	0	0	0	0	0	10	14	23	30	29	15	20	13	11	8	15	5	2	2	1	0	0	0	0	0	0	0	0	198

1961 - March

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	5	11	10	4	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	33
	M	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	0	2	1	0	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	2	1	4	3	7	7	2	10	7	2	3	3	1	1	1	0	0	0	0	0	0	0	1	55

1961 - February

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	17	16	13	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
	P	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	1	4	0	1	4	4	2	2	4	1	2	1	2	0	0	0	0	0	0	0	0	0	28
Pregnant	P	0	0	0	0	0	2	9	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
	M	0	0	0	0	0	0	10	14	23	30	29	15	20	13	11	8	15	5	2	2	1	0	0	0	0	0	0	0	0	198

1961 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	5	11	10	4	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	33
	M	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	0	2	1	0	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	2	1	4	3	7	7	2	10	7	2	3	3	1	1	1	0	0	0	0	0	0	0	1	55

1961 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4

1964 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	6	6	11	9	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	3	1	1	0	0	3	0	0	0	0	0	0	0	1	13
Pregnant	P	0	0	0	0	0	1	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	M	0	0	0	0	0	0	2	0	1	1	3	3	6	2	2	4	3	2	2	0	1	0	0	0	0	0	0	0	0	32

1964 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	8	14	23	15	12	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
	P	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	1	0	0	0	1	1	1	5	0	0	2	1	3	4	2	1	0	0	0	0	0	0	0	0	22
Pregnant	P	0	0	0	0	1	2	6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	M	0	0	0	0	0	2	6	2	5	4	12	9	8	4	9	4	6	7	3	0	1	0	0	1	0	0	0	0	1	84

1965 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	3	3	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18
	M	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	1	0	1	2	2	4	3	1	2	0	1	2	0	0	0	0	0	0	0	0	0	0	0	19

1965 - May

Condition: Reproductive	Condition: Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
		Age																													
Non Preg.	N	0	3	2	11	21	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
	P	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	0	0	1	1	0	4	0	1	1	1	1	2	2	1	1	0	1	0	0	0	0	0	17
Pregnant	P	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	4	3	8	4	2	6	5	3	5	7	4	5	1	0	0	0	0	0	0	0	0	0	0	57

1965 - June

Condition: Reproductive	Condition: Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
		Age																													
Non Preg.	N	0	0	1	17	20	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
	P	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	2	2	0	1	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	9
Pregnant	P	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	3	3	2	5	3	3	2	4	1	3	3	0	1	0	0	0	0	0	0	0	0	0	0	33

1966 - January

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	2	6	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	P	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Pregnant	P	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	0	3	4	1	1	4	4	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	25

1966 - February

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	4	1	17	27	20	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73
	P	0	0	0	0	0	0	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	0	1	1	0	1	1	0	0	1	0	1	1	0	1	0	1	0	0	0	0	0	0	1	10
Pregnant	P	0	0	0	0	1	4	3	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	M	0	0	0	0	0	3	9	14	10	9	6	8	10	5	8	6	3	0	0	0	0	0	0	0	0	0	0	0	0	91

1966 - March

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	4	11	36	27	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
	P	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	1	1	0	1	4	0	0	1	1	0	2	0	1	1	0	0	0	0	0	0	0	0	13
Pregnant	P	0	0	0	0	0	10	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
	M	0	0	0	0	0	1	10	15	15	10	4	6	3	3	2	5	1	2	0	1	0	0	0	0	0	0	0	0	0	78

Table 4.2.2

Reproductive condition (uterine) of female fur seals collected by the United States off Oregon.
(N = nulliparous, P = primiparous, M = multiparous)

1958 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	0	6	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
	P	0	0	0	0	0	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	5	3	2	6	2	3	1	0	1	3	0	0	1	0	0	0	0	0	0	0	0	0	0	27

1959 - January

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1959 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	M	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	M	0	0	0	0	0	0	0	1	0	2	0	1	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	9

1959 - April

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	M	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	2	0	2	3	0	0	3	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14

1961 - April

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4
Pregnant	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	2	1	3	1	2	1	2	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	16

1964 - April

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Pregnant	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1964 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Pregnant	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Table 4.2.3

Reproductive condition (uterine) of female fur seals collected by the United States off Washington.
(N = nulliparous, P = primiparous, M = multiparous)

1958 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	14	1	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	1	0	0	0	3	1	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Pregnant	P	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	6	5	8	1	3	2	6	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	36

1959 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	9	13	10	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	49
	P	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	1	1	2	2	1	2	2	3	0	1	4	2	0	1	0	0	0	0	0	0	0	0	0	1	23
Pregnant	P	0	0	0	0	0	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10
	M	0	0	0	0	0	3	3	8	29	14	9	10	13	11	2	7	8	2	3	2	1	0	0	0	0	0	0	0	1	126

1961 - March

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	M	0	0	0	0	0	0	0	0	0	3	1	0	0	1	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	2	0	1	0	5	3	2	2	2	3	4	0	2	0	0	0	0	0	0	0	0	0	0	26

1961 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	8	10	25	42	23	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119
	P	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	1	1	3	2	3	3	2	3	2	1	3	1	1	1	0	0	0	0	0	0	0	0	0	0	27
Pregnant	P	0	0	0	0	0	2	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	M	0	0	0	0	0	1	4	16	13	23	12	13	12	6	11	11	5	3	0	0	0	0	0	0	0	0	0	0	0	130

1964 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	6	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Pregnant	P	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4

1964 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1964 - June

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

1965 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	6	2	20	27	4	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
	P	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	1	0	1	0	2	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	9
Pregnant	P	0	0	0	0	0	3	6	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
	M	0	0	0	0	0	1	5	6	11	2	2	2	1	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	35

1967 - January

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	2	4	5	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
	P	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	6
Pregnant	P	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	1	6	1	3	10	5	3	1	2	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	38

1967 - February

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	1	6	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
Pregnant	P	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	4	4	3	2	5	1	1	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	24

1967 - November

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1967 - December

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	7	11	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	3	0	1	2	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	9
Pregnant	P	0	0	0	0	2	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	M	0	0	0	0	0	1	1	5	7	1	4	5	1	1	2	2	0	2	2	1	0	0	0	0	0	0	0	0	0	35

1968 - January

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	15	1	2	15	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
	M	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	1	5	4	5	8	4	8	2	1	3	4	4	0	0	0	0	0	0	0	0	0	0	0	49

1968 - February

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	32	2	4	18	3	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
	P	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	1	1	1	3	3	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	14
Pregnant	P	0	0	0	0	0	4	6	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	M	0	0	0	0	0	0	5	7	1	7	8	8	7	2	3	7	4	1	1	0	0	0	0	0	0	0	0	0	0	61

1969 - February

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	11	0	5	10	5	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
	P	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	1	1	0	2	4	1	4	1	0	1	2	1	0	0	0	0	0	0	0	0	0	0	18
Pregnant	P	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	1	8	8	1	6	9	6	0	2	1	0	3	2	0	0	0	0	0	0	0	0	0	0	47

1969 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	20	6	14	21	9	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
	P	0	0	0	0	0	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	0	2	4	0	1	3	3	3	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	20
Pregnant	P	0	0	0	0	1	4	7	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
	M	0	0	0	0	0	2	2	8	8	4	10	10	14	4	3	3	3	1	1	1	0	0	0	0	0	0	0	0	0	74

1970 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	3	14	10	15	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
	P	0	0	0	0	0	0	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	0	0	1	1	1	0	2	2	0	0	0	0	3	1	0	1	0	0	0	0	0	0	0	12
Pregnant	P	0	0	0	0	0	5	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	M	0	0	0	0	0	2	6	10	3	9	4	7	4	5	0	1	2	0	0	0	0	0	0	0	0	0	0	0	2	55

1970 - April

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	2	7	9	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
	P	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Pregnant	P	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	2	0	6	1	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13

1970 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	12	36	36	6	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
	P	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	0	1	2	1	1	1	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	10
Pregnant	P	0	0	0	0	0	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
	M	0	0	0	0	0	0	9	3	8	6	3	4	3	3	1	4	1	0	1	0	0	0	0	0	0	0	0	0	0	46

1970 - June

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	5	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1971 - March

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	1	6	15	4	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
	P	0	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	7
Pregnant	P	0	0	0	0	0	2	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	5	7	5	2	2	4	4	4	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	36

1971 - April

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	8	4	16	14	7	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
	P	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	0	2	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	M	0	0	0	0	0	0	3	7	4	1	6	1	5	4	1	2	0	0	3	0	1	0	0	0	0	0	0	0	0	38

1971 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	11	9	17	27	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	75
	M	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	4	4	1	3	6	3	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	25

1972 - March

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	5	0	4	4	9	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
	P	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	0	2	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Pregnant	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	5	4	6	2	5	6	2	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	37

1972 - April

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A+	UNK	TOTAL
Non Preg.	N	0	1	2	3	7	5	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
	P	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	6
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	1	0	0	5	3	5	2	1	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	22

1972 - May

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	9	8	6	15	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Non Preg.	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Non Preg.	M	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4
Pregnant	P	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Pregnant	M	0	0	0	0	0	2	4	6	5	3	4	6	4	1	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	42

Table 4.2.4

Reproductive condition (uterine) of female fur seals collected by the United States off British Columbia.
(N = nulliparous, P = primiparous, M = multiparous)

1960 - April

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	M	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1960 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1961 - January

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	10	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Pregnant	M	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1961 - February

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	1	0	0	0	0	6
Pregnant	M	0	0	0	0	0	0	2	1	3	2	5	2	2	4	4	4	6	0	1	0	3	0	0	0	0	0	0	0	0	39

1961 - March

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Table 4.2.5

Reproductive condition (uterine) of female fur seals collected by the United States in the Gulf of Alaska.
(N = nulliparous, P = primiparous, M = multiparous)

1958 - February

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg	N	0	10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	M	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	2	3	2	0	0	0	0	0	0	0	0	0	0	13
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	4	1	5	2	5	3	3	1	1	0	1	0	0	0	0	0	0	0	0	26

1958 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	M	0	0	0	0	0	0	0	0	0	0	0	1	1	5	4	3	3	4	3	6	1	0	1	0	0	0	0	0	0	32
Pregnant	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	1	1	3	5	9	17	12	13	17	10	5	3	0	1	0	0	0	0	0	0	0	97

1958 - April

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	3	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	M	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	1	0	2	4	1	2	5	3	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	23

1958 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	1	5	9	14	3	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
	P	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	2	2	4	0	3	4	5	6	4	3	4	5	0	0	1	0	0	0	0	0	0	0	1	44
Pregnant	P	0	0	0	0	0	5	11	8	4	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	32
	M	0	0	0	0	0	1	19	24	36	18	27	37	41	28	22	12	12	3	3	1	0	0	0	0	0	0	0	0	4	288

1958 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	1	2	2	3	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Post	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1960 - March

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	11	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	14
	M	0	0	0	0	0	0	0	1	0	0	1	1	1	2	3	1	3	5	1	1	1	1	0	0	0	0	0	0	1	23
Pregnant	M	0	0	0	0	0	0	1	3	3	5	8	6	6	18	17	9	11	9	4	4	0	2	0	0	0	0	0	0	2	108

1960 - April

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	4	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	P	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	1	2	2	3	5	2	2	5	3	0	3	0	1	0	1	0	0	0	0	0	0	1	32
Pregnant	P	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	1	1	7	15	20	27	30	28	28	16	18	4	9	2	0	0	0	0	0	0	0	0	0	3	209

1960 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	1	3	14	6	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
	P	0	0	0	0	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	2	0	4	6	5	4	4	5	6	7	5	4	2	1	6	3	1	0	0	1	0	0	1	0	67
Pregnant	P	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	2	7	16	25	39	42	40	36	30	27	22	13	10	6	2	0	0	0	0	0	0	0	0	2	319

1960 - June

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg	M	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	1	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

1961 - March

Condition		Age																												
Repro-ductive	Uter-ine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1962 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1968 - May

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	ONK	TOTAL
Non Preg.	N	0	0	1	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	7
Pregnant	P	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	5	3	3	3	4	6	6	4	1	4	3	2	2	1	1	0	0	0	0	0	0	0	49

1968 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	1	0	1	1	0	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	9

1968 - August

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Table 4.2.6

Reproductive condition (uterine) of female fur seals collected by the United States off Western Alaska.
(N = nulliparous, P = primiparous, M = multiparous)

1958 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	3	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	2	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Pregnant	P	0	0	0	0	0	3	4	5	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
	M	0	0	0	0	0	0	3	5	5	8	6	9	4	6	8	2	0	1	1	0	0	0	0	0	0	0	0	0	0	58

1960 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	P	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
	M	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	1	2	3	1	0	0	0	0	0	0	0	0	0	0	10
Pregnant	P	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	2	1	2	15	20	13	18	10	9	7	2	6	2	2	1	0	0	0	0	0	0	0	0	2	112

1962 - May

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	1	1	1	0	0	0	1	2	0	1	2	0	0	0	1	0	0	0	0	0	0	0	0	10

1962 - June

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	12	22	16	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	58
	P	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	1	3	4	3	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	15
Pregnant	P	0	0	0	0	1	2	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	M	0	0	0	0	0	2	7	18	25	16	12	10	15	8	4	6	6	3	2	0	0	0	0	0	0	0	0	0	0	134

1962 - July

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	1	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1962 - August

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	13	26	17	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
	M	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Post	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	3	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7

1962 - September

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	6	5	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	4
Post	M	0	0	0	0	0	0	0	0	0	1	3	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	8

1962 - October

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

1968 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	5
Pregnant	P	0	0	0	0	2	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
	M	0	0	0	0	0	1	5	9	10	4	7	9	6	3	5	6	2	6	2	1	1	0	0	0	0	0	0	0	0	77
Post	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1968 - July

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4

Table 4.2.7

Reproductive condition (uterine) of female fur seals collected by the United States in the Eastern Bering Sea.
(N = nulliparous, P = primiparous, M = multiparous)

1958 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	M	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1960 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	P	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	0	3	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	1	1	3	2	12	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Postpartum	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1

1960 - July

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	5	7	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	24
	P	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	1	1	2	1	4	2	0	1	5	5	0	3	2	0	0	1	0	0	1	0	0	0	0	0	29
Pregnant	P	0	0	0	0	0	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	M	0	0	0	0	0	0	4	3	3	7	2	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Postpartum	P	0	0	0	0	0	1	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	M	0	0	0	0	1	2	6	9	15	20	12	15	7	11	16	3	3	0	3	2	1	1	0	0	0	0	0	0	2	129

1960 - August

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	3	5	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	M	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Postpartum	P	0	0	0	0	0	3	3	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	M	0	0	0	0	0	2	6	4	8	7	10	6	5	8	2	2	0	1	1	2	0	0	0	0	0	0	0	0	0	64

1960 - July

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	0	5	7	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	24
	P	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	1	1	2	1	4	2	0	1	5	5	0	3	2	0	0	1	0	0	1	0	0	0	0	0	29
Pregnant	P	0	0	0	0	0	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	M	0	0	0	0	0	0	4	3	3	7	2	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Postpartum	P	0	0	0	0	0	1	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	M	0	0	0	1	1	2	6	9	15	20	12	15	7	11	16	3	3	0	3	2	1	1	0	0	0	0	0	0	1	129

1960 - August

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	3	5	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	M	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Postpartum	P	0	0	0	0	0	3	3	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	M	0	0	0	0	0	2	6	4	8	7	10	6	5	8	2	2	0	1	1	2	0	0	0	0	0	0	0	0	0	64

1962 - May

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1962 - June

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	1	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	M	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	6
Pregnant	P	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	0	2	6	3	3	7	6	6	1	5	3	2	1	5	2	1	0	0	0	0	0	0	0	2	55

1962 - July

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	7	18	14	13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
	P	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	M	0	0	0	0	0	1	1	3	1	2	0	1	1	1	1	3	3	5	0	2	0	0	1	0	0	0	0	0	0	26
Pregnant	P	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	1	5	8	9	6	8	6	7	0	2	3	1	3	1	1	1	0	0	0	0	0	0	0	0	62
Postpartum	P	0	0	0	0	1	5	4	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	M	0	0	0	0	0	5	3	10	9	8	6	12	9	10	14	3	5	2	1	0	0	0	1	0	0	0	0	0	0	98

1962 - August

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	7	21	39	29	5	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	104
	M	0	0	0	0	0	0	2	2	0	1	3	5	4	0	2	4	3	3	3	3	1	0	0	0	1	0	0	0	1	38
Pregnant	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Postpartum	N	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	P	0	0	0	0	0	5	4	1	2	4	3	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
	M	0	0	0	0	0	0	4	16	19	20	33	25	30	25	18	20	22	17	9	5	3	2	1	0	0	0	0	0	2	271

1962 - September

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	6	15	16	11	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
	M	0	0	0	0	0	0	0	0	1	0	2	0	0	1	1	2	1	1	1	0	1	0	0	0	0	0	0	0	0	11
Postpartum	P	0	0	0	0	1	6	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	M	0	0	0	0	0	1	5	6	9	3	15	13	10	4	9	5	2	3	0	1	1	1	0	0	0	0	0	0	0	88

1962 - October

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	2	3	4	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
	M	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	6
Postpartum	P	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	2	0	2	4	3	2	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	19

1963 - July

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	1	3	7	31	24	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
	P	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	1	0	0	0	3	1	0	1	4	3	1	1	1	1	0	2	1	0	1	0	0	0	0	0	21
Pregnant	P	0	0	0	0	0	15	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
	M	0	0	0	0	0	1	3	5	9	5	3	6	3	4	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	46
Postpartum	P	0	0	0	0	0	11	4	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
	M	0	0	0	0	1	3	10	16	20	13	12	17	24	22	12	17	12	4	2	1	0	0	0	0	0	0	0	0	0	186

1963 - August

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	17	44	73	62	12	3	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	216
	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	3	4	2	5	3	5	6	2	8	10	7	6	4	2	4	1	0	1	0	0	0	0	1	74
Postpartum	P	0	0	0	0	5	31	22	4	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
	M	0	0	0	0	2	8	23	33	49	32	48	58	57	42	32	41	24	16	5	2	5	2	0	0	0	0	0	0	9	488

1963 - September

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Postpartum	P	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	M	0	0	0	0	0	0	0	2	2	1	3	1	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	13

1964 - July

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	18	13	14	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
	M	0	0	0	0	0	0	0	1	2	0	3	1	1	2	3	3	1	1	3	1	1	0	0	0	0	0	0	0	0	23
Pregnant	P	0	0	0	0	0	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
	M	0	0	0	0	0	2	2	2	1	1	3	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Postpartum	P	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	0	2	0	2	1	1	5	3	0	1	1	2	1	0	0	0	0	0	0	0	0	0	20

1964 - August

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	2	20	18	15	6	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
	P	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	2	1	2	1	1	1	2	1	3	2	0	1	0	2	0	0	0	0	0	0	0	0	19
Postpartum	P	0	0	0	0	1	16	20	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
	M	0	0	0	0	0	2	16	17	15	15	22	18	24	12	12	16	5	5	4	2	0	0	0	0	0	0	0	0	0	185

1964 - September

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	1	0	5	2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	M	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	2	0	0	1	0	0	0	0	0	0	0	0	11
Postpartum	P	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	0	2	1	1	7	2	3	1	2	1	0	1	1	0	0	0	0	0	0	0	0	0	22

1966 - November

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Postpartum	M	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1968 - July

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	5	14	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
	P	0	0	0	0	0	1	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	0	0	1	0	1	1	2	0	1	2	2	1	0	0	1	2	0	2	1	0	0	0	0	0	0	17
Pregnant	P	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	1	2	2	1	2	1	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	13
Postpartum	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
	M	0	0	0	0	0	0	2	2	1	2	0	1	0	2	2	4	1	1	1	1	0	0	0	0	0	0	0	0	0	20

1968 - August

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	9	17	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
	P	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	2	1	1	1	0	0	0	0	0	0	0	0	8
Postpartum	P	0	0	0	0	2	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	7
	M	0	0	0	0	0	0	1	6	2	2	1	1	3	2	3	3	5	2	0	0	1	0	0	0	0	0	0	0	0	32

1973 - July

Condition		Age																												
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	1	3	1	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
	P	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	1	3	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Postpartum	P	0	0	0	0	1	4	9	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
	M	0	0	0	0	0	2	9	10	16	19	14	12	11	9	8	6	5	4	1	0	0	0	0	0	0	0	0	0	0	126

1973 - August

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	4	14	14	5	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	45
	P	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	M	0	0	0	0	0	0	0	1	0	0	2	1	0	1	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	10
Postpartum	P	0	0	0	0	4	12	11	9	2	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	41
	M	0	0	0	0	0	2	10	13	14	16	12	10	16	12	5	7	6	0	0	2	0	0	0	0	0	0	0	0	0	125

1973 - September

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	6	21	16	11	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
	P	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	6
Postpartum	P	0	0	0	0	1	5	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	26
	M	0	0	0	0	0	1	6	9	14	15	17	16	9	8	7	5	6	0	0	0	0	0	0	0	0	0	0	0	0	113

1974 - July

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	0	0	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	M	0	0	0	0	0	0	0	0	1	1	2	0	0	1	0	0	2	0	0	1	0	0	0	1	0	0	0	0	0	9
Pregnant	P	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	M	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Post	P	0	0	0	0	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
	M	0	0	0	0	0	0	4	7	14	15	11	6	5	5	3	2	3	2	1	0	0	0	0	0	0	0	0	0	0	78

1974 - August

Condition: Reproductive	Condition: Uterine	Age: P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	5	9	13	10	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
	P	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	M	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3
Post	P	0	0	0	0	3	8	7	13	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
	M	0	0	0	0	1	0	4	12	17	13	15	10	4	3	5	2	1	1	0	1	0	0	0	0	0	0	0	0	0	89

1974 - September

Condition		Age																													
Reproductive	Uterine	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	≥10	UNK	TOTAL
Non Preg.	N	0	0	1	4	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Postpartum	P	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	M	0	0	0	0	1	0	0	0	2	1	1	0	1	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	11

Table - 5.1.3

Reproductive condition (ovarian) of female fur seals collected by Canada off Washington.

1968 - March

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	20	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	0	0	0	0	0	0	0	0	1	0	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5

1968 - April

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	12	9	16	19	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ovulated																												
Not pregnant	0	0	0	0	1	0	1	1	4	1	1	2	2	0	0	0	1	0	1	1	0	1	1	0	0	0	0	18
Pregnant	0	0	0	0	1	3	7	6	5	8	9	3	3	0	2	0	0	0	1	1	1	0	0	0	0	0	0	50

1968 - May

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	1	1	3	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	0	0	0	0	0	1	3	0	0	1	0	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	9

1969 - April

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	15	5	6	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Mature																												
Not ovulated	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
Ovulated																												
Not pregnant	0	0	0	0	3	1	4	0	3	0	1	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	16
Pregnant	0	0	0	0	0	4	2	4	5	3	5	4	5	3	1	1	2	0	0	1	0	0	0	0	0	0	0	40

1969 - May

	Age																											
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	8	15	27	22	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Ovulated																												
Not pregnant	0	0	0	0	1	1	1	4	1	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	12
Pregnant	0	0	0	0	0	7	5	3	0	3	3	1	3	0	2	0	1	0	0	1	2	1	0	0	0	0	0	32

1970 - January

	Age																											
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	1	0	2	4	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2
Ovulated																												
Not pregnant	0	0	0	0	0	0	1	0	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6
Pregnant	0	0	0	0	0	1	5	6	4	3	6	2	3	4	3	2	0	1	1	1	0	0	0	0	0	0	0	42

1970 - February

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	3	3	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Pregnant	0	0	0	0	0	2	5	3	2	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	18

1970 - March

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnant	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1971 - January

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	1	0	5	11	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	1	0	1	3	1	2	2	0	0	2	1	1	0	0	0	0	1	1	0	0	0	0	0	16
Pregnant	0	0	0	1	0	3	7	7	7	5	2	3	6	3	0	1	0	0	3	1	0	0	0	0	0	0	0	49

1971 - February

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	2	1	3	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnant	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

1971 - March

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	3	1	4	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	1	2	3	1	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	11
Pregnant	0	0	0	0	0	4	6	10	4	3	3	3	6	2	1	1	1	2	0	1	0	0	0	0	0	0	0	47

1971 - April

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
Pregnant	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1971 - December

	Age																											
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	1	0	1	4	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	4
Pregnant	0	0	0	0	0	2	0	0	2	0	0	1	2	0	0	0	1	0	2	0	1	1	0	0	0	0	0	11

1972 - January

	Age																											
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	6	0	4	4	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	1	1	1	0	1	0	0	2	0	1	0	2	0	0	0	0	0	1	0	0	0	0	10
Pregnant	0	0	0	0	0	2	2	5	5	2	2	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	22

1972 - February

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Pregnant	0	0	0	0	0	0	1	1	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	6

1972 - December

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

1973 - January

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	0	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	2	0	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	6
Pregnant	0	0	0	0	0	0	0	2	6	1	1	2	2	1	2	2	0	3	0	0	0	0	0	0	0	0	0	22

1973 - February

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnant	0	0	0	0	0	1	1	2	0	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	8

1973 - December

	Age																											
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3

1974 - January

	Age																											
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	1	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
Pregnant	0	0	0	0	0	1	1	3	0	6	3	3	2	0	2	0	2	0	0	1	1	0	0	0	0	0	0	25

Table 5.1.4

Reproductive condition (ovarian) of female fur seals collected by Canada off British Columbia.

1968 - May

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	3	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	3	0	1	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	9
Pregnant	0	0	0	0	0	1	9	0	0	2	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	16

1969 - May

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table - 5.1.5

Reproductive condition (ovarian) of female fur seals collected by Canada in the Gulf of Alaska.

1968 - June

	Age																											
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	3	9	20	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Mature																												
Not ovulated	0	0	0	0	0	2	0	1	1	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Ovulated																												
Not pregnant	0	0	0	2	4	2	5	2	3	1	4	1	1	0	1	0	1	1	1	0	0	0	0	0	0	0	0	29
Pregnant	0	0	0	0	1	5	10	6	2	5	5	2	0	1	2	0	2	1	0	0	0	0	0	0	0	0	0	42

1968 - July

	Age																											
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	1	6	7	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	1	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Pregnant	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Table - 5.1.6

Reproductive condition (ovarian) of female fur seals collected by Canada off Western Alaska.

1974 - July

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
Pregnant	0	0	0	0	0	0	3	0	1	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	10

Table 5.1.7

Reproductive condition (ovarian) of female fur seals collected by Canada in the Eastern Bering Sea.

1974 - July

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnant	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2

Table - 5.2.7

Reproductive condition (ovarian) of female fur seals collected by the United States in the Eastern Bering Sea.

1968 - July

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	1	9	19	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Mature																												
Not ovulated	0	0	0	0	0	3	2	7	3	2	5	1	0	1	3	0	0	4	0	0	0	0	1	0	0	0	0	32
Ovulated																												
Not pregnant	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Pregnant	0	0	0	0	0	1	2	2	1	2	1	1	1	4	3	5	1	0	2	3	0	2	0	0	0	0	0	31

1968 - August

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	22	23	24	25	26	Total
Immature	0	0	0	10	17	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	4
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnant	0	0	0	0	2	1	2	7	3	2	0	1	3	3	4	3	4	4	1	1	3	0	0	0	0	0	0	44

1973 - July

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	0	1	3	1	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	4	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pregnant	0	0	0	0	1	7	18	16	19	19	15	12	11	9	8	6	5	4	1	0	0	0	0	0	0	0	0	151

1973 - August

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	4	14	14	5	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Mature																												
Not ovulated	0	0	0	0	0	0	0	2	0	0	2	1	0	1	0	0	0	0	5	0	0	0	0	0	0	0	0	11
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnant	0	0	0	0	4	14	21	22	16	17	12	11	16	12	5	8	6	0	0	2	0	0	0	0	0	0	0	166

1973 - September

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	6	21	16	11	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Mature																												
Not ovulated	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	2	0	0	0	0	0	0	6
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnant	0	0	0	0	1	6	15	20	14	15	17	16	9	8	7	5	6	0	0	0	0	0	0	0	0	0	0	139

1974 - July

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	0	0	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mature																												
Not ovulated	0	0	0	0	0	3	1	1	6	1	4	2	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	24
Ovulated																												
Not pregnant	0	0	0	0	2	0	0	0	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	6
Pregnant	0	0	0	0	4	2	7	10	13	14	8	5	4	5	2	2	3	2	1	0	0	0	0	0	0	0	0	82

1974 - August

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	5	9	13	10	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Mature																												
Not ovulated	0	0	0	0	2	0	1	1	3	2	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	14
Ovulated																												
Not pregnant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Pregnant	0	0	0	0	2	8	10	25	16	14	13	10	4	3	5	1	1	1	0	1	0	0	0	0	0	0	0	114

1974 - September

	Age																										
	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Total
Immature	0	0	1	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mature																												
Not ovulated	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
Ovulated																												
Not pregnant	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3
Pregnant	0	0	0	0	1	2	2	1	2	1	1	0	1	0	3	0	2	0	0	0	0	0	0	0	0	0	0	16

Length and Weight

Tables 6.1 and 6.2 give the lengths and weights of fetuses. Data are given for postnatal animals as follows: Tables 7.1 and 7.2, nonpregnant females; Tables 8.1 and 8.2, pregnant females; Table 9.2, postpartum females (Table 9.1 does not exist because Canada recorded no postpartum animals in her sampling schedule); and Tables 10.1 and 10.2, males. Again, Tables 6 through 10 use the 3-digit numbering system to designate areas.

Table 6.1.1
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by Canada off California.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1965

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	11-20	M	50.0	1	-	-	3.5	1	-	-
		F	48.0	1	-	-	3.5	1	-	-

Table 6.1.2
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by Canada off Oregon.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1965

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	21-30	M	45.4	5	-	42.0- 58.0	2.5	5	-	2.4- 2.7
		F	42.0	2	-	39.0- 45.0	2.2	2	-	2.1- 2.2

Table 6.1.3
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by Canada off Washington.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1958

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	1-10	M	37.0	1	-	-	-	-	-	-
	11-20	M	36.1	8	-	30.0- 40.0	1.4	8	-	1.2- 1.8
		F	34.9	15	3.1	29.0- 41.0	1.1	15	0.2	0.5- 1.4
	21-31	M	36.0	2	-	36.0- 36.0	1.3	2	-	1.2- 1.4
		F	41.3	3	-	40.0- 42.0	1.7	2	-	1.7- 1.7

1958 (Continued)

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
April	11-20	F	41.0	1	-	-	0.6	1	-	-
	21-30	M	56.0	1	-	-	2.8	1	-	-
May	11-20	M	52.1	13	2.1	49.0- 55.0	3.7	13	0.6	2.7- 5.0
		F	46.0	11	13.7	5.0- 52.0	3.3	10	0.2	3.1- 3.6
	21-31	M	53.0	1	-	-	4.0	1	-	-
		F	53.0	1	-	-	3.7	1	-	-

1959

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
March	11-20	M	40.4	4	-	37.5- 43.0	1.8	4	-	1.5- 2.0
		F	39.2	8	-	36.0- 43.1	1.6	8	-	1.3- 2.0
	21-31	M	40.7	16	2.3	37.5- 45.5	1.7	16	0.3	1.3- 2.5
		F	39.0	7	-	35.7- 43.0	1.6	7	-	1.2- 2.0
April	1-10	M	41.1	24	2.6	35.0- 48.0	2.0	24	0.3	1.5- 2.9
		F	40.3	19	2.6	36.0- 46.0	1.9	19	0.4	1.2- 2.7
	11-20	M	43.5	10	2.8	39.0- 49.0	2.6	10	0.4	1.9- 3.1
		F	43.1	7	-	38.0- 49.0	2.5	7	-	2.0- 3.0
	21-30	M	44.4	8	-	40.0- 48.0	3.1	8	-	2.4- 3.8
		F	41.3	8	-	39.0- 45.0	2.5	8	-	2.2- 3.0
May	1-10	M	45.6	9	-	41.0- 50.0	3.5	9	-	2.6- 4.5
		F	44.4	9	-	38.0- 51.0	2.9	9	-	2.2- 3.6
	11-20	M	50.4	5	-	48.0- 53.0	3.9	5	-	3.2- 4.3
		F	50.0	2	-	50.0- 50.0	3.7	2	-	3.6- 3.8

1960

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
March	11-20	M	36.8	19	4.5	22.0- 42.0	1.2	19	0.2	0.6- 1.7
		F	36.1	13	5.1	21.0- 40.0	1.1	13	0.1	0.9- 1.4
	21-31	M	37.3	16	6.8	22.0- 47.0	1.5	16	0.3	0.8- 2.1
		F	38.4	5	-	36.0- 41.0	1.3	5	-	1.1- 1.4
April	1-10	M	43.6	35	4.3	25.0- 50.0	2.0	35	0.3	1.4- 2.7
		F	41.4	27	5.7	24.0- 48.0	1.8	27	0.3	1.1- 2.8

1960 (Continued)

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	11-20	M	22.0	1	-	-	2.2	1	-	-
		F	37.4	5	-	22.0- 50.0	1.8	5	-	1.6- 2.2
	21-30	M	49.8	14	2.8	45.0- 56.0	2.7	14	0.4	2.2- 3.5
		F	45.9	7	-	43.0- 50.0	2.1	7	-	1.7- 2.6
May	1-10	M	50.0	9	-	45.0- 56.0	3.1	9	-	2.7- 4.2
		F	48.4	8	-	45.0- 52.0	2.8	8	-	2.1- 3.3
	11-20	M	49.8	4	-	40.0- 54.0	3.2	4	-	1.7- 4.5
		F	50.8	16	4.2	38.0- 56.0	3.2	16	0.7	1.3- 5.0

1961

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	11-20	M	38.5	1	-	-	1.4	1	-	-
	21-31	M	34.4	9	-	21.0- 43.0	1.8	9	-	1.4- 2.8
		F	39.2	5	-	36.0- 42.0	1.6	5	-	1.4- 1.8
April	1-10	M	38.6	6	-	31.0- 43.0	2.2	6	-	1.8- 2.4
		F	39.2	5	-	33.0- 42.0	2.0	5	-	1.9- 2.2
	11-20	M	45.3	6	-	40.0- 56.0	2.5	6	-	1.9- 3.2
		F	45.0	3	-	38.0- 56.0	2.0	3	-	1.9- 2.2
	21-30	M	43.9	21	7.7	24.0- 55.0	3.0	20	0.5	2.3- 4.2
		F	41.5	14	7.4	21.0- 51.0	2.6	14	0.5	1.8- 3.4
May	1-10	M	50.1	8	-	46.0- 55.0	4.1	8	-	3.3- 4.5
		F	45.1	8	-	42.0- 49.0	3.1	8	-	2.6- 3.8
	11-20	M	55.5	2	-	55.0- 56.0	4.6	2	-	4.5- 4.7
		F	48.0	2	-	46.0- 50.0	3.9	2	-	3.5- 4.2
	21-31	M	52.5	2	-	52.0- 53.0	4.6	2	-	4.2- 5.0
		F	47.5	2	-	47.0- 48.0	4.2	2	-	4.1- 4.2
June	1-10	M	-	-	-	-	5.6	1	-	-

1962

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	11-20	M	30.0	1	-	-	1.1	1	-	-
		F	39.0	1	-	-	1.3	1	-	-

1962 (Continued)

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	21-31	M	35.0	1	-	-	1.3	1	-	-
April	1-10	M	44.0	1	-	-	2.1	1	-	-
		F	44.0	2	-	43.0- 45.0	2.0	2	-	1.9- 2.2
	11-20	M	46.9	8	-	41.0- 56.0	2.4	7	-	1.5- 3.5
		F	46.0	1	-	-	1.9	2	-	1.8- 2.0
	21-30	M	47.0	1	-	-	2.2	1	-	-

1963

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	1-10	F	54.0	1	-	-	3.0	1	-	-
	11-20	F	45.0	1	-	-	2.4	1	-	-

1964

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	11-20	M	47.0	1	-	-	2.8	1	-	-
		F	46.0	1	-	-	2.0	1	-	-
	21-30	M	47.5	2	-	46.0- 49.0	2.5	2	-	2.5- 2.5
		F	45.5	2	-	45.0- 46.0	2.6	2	-	2.0- 3.3
May	11-20	M	48.5	2	-	45.0- 52.0	3.6	2	-	2.9- 4.3
		F	49.5	2	-	47.0- 52.0	4.2	2	-	3.5- 4.8

1965

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	11-20	M	45.0	3	-	42.0- 49.0	2.2	3	-	1.7- 2.8
		F	40.0	1	-	-	1.8	1	-	-

1966

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
March	1-10	F	33.5	2	-	30.0- 37.0	0.9	2	-	0.6- 1.2
	11-20	M	39.0	1	-	-	2.0	1	-	-
		F	38.0	1	-	-	1.5	1	-	-
	21-31	M	38.3	18	3.8	30.0- 46.0	1.7	18	0.4	0.7- 2.3
		F	37.0	12	2.5	34.5- 41.0	1.5	12	0.3	1.1- 2.0
April	1-10	M	41.6	8	-	36.0- 48.0	1.9	8	-	1.6- 2.1
		F	40.1	6	-	38.0- 43.0	1.8	6	-	1.4- 2.0
	11-20	F	42.0	1	-	-	1.7	1	-	-
	21-30	M	50.6	4	-	45.0- 53.5	2.9	4	-	2.4- 3.6
		F	46.8	2	-	46.5- 47.0	2.6	2	-	2.5- 2.6

1967

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
April	1-10	M	44.3	8	-	42.0- 46.5	2.3	8	-	2.0- 2.7
		F	39.7	6	-	37.0- 43.0	1.6	6	-	1.5- 1.9
	11-20	M	47.0	1	-	-	3.1	1	-	-
	21-30	M	50.0	1	-	-	3.0	1	-	-
		F	47.0	1	-	-	2.5	1	-	-
May	1-10	M	53.0	2	-	50.0- 56.0	3.8	2	-	3.0- 4.5
		F	50.5	2	-	49.0- 52.0	3.4	2	-	3.2- 3.5
	11-20	M	53.0	1	-	-	3.8	1	-	-

1968

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
March	21-31	F	42.8	6	-	40.0- 46.0	1.8	6	-	1.5- 2.4
April	1-10	M	43.0	6	-	41.0- 47.0	1.8	6	-	1.4- 2.7
		F	41.5	8	-	38.0- 45.0	1.7	8	-	1.4- 2.1
	11-20	M	45.7	3	-	44.0- 47.0	2.4	3	-	2.0- 2.7
		F	44.0	2	-	44.0- 44.0	1.9	2	-	1.8- 2.0
	21-30	M	46.9	19	2.9	41.0- 52.0	2.6	19	0.4	1.8- 3.5
		F	46.5	13	2.3	43.0- 51.0	2.6	13	0.5	1.9- 3.7
May	1-10	M	52.8	5	-	48.0- 56.0	4.0	5	-	3.5- 4.8
		F	47.8	4	-	44.0- 50.0	3.1	4	-	2.5- 3.5

1969

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	1-10	M	44.0	9	-	40.0- 49.0	2.3	9	-	2.0- 2.8
		F	40.3	13	2.3	35.0- 44.0	1.7	13	0.2	1.3- 2.0
	11-20	M	45.6	9	-	40.0- 50.0	2.3	9	-	1.4- 3.0
		F	44.9	7	-	40.0- 48.0	2.1	7	-	1.8- 2.8
	21-30	F	43.0	1	-	-	2.3	1	-	-
May	1-10	M	47.8	4	-	46.0- 51.0	2.9	4	-	2.3- 4.0
		F	48.7	3	-	44.0- 51.0	2.8	3	-	2.5- 3.0
	11-20	M	55.8	5	-	49.0- 68.0	3.8	5	-	3.5- 4.0
		F	50.6	7	-	45.0- 54.0	3.3	7	-	2.3- 3.8
	21-31	M	55.5	4	-	52.0- 59.0	4.1	4	-	3.8- 4.5
		F	51.8	10	2.3	48.0- 55.0	3.6	10	0.3	3.0- 4.0

1970

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	11-20	M	13.2	6	-	8.0- 19.7	0.1	6	-	.0- 0.2
		F	13.2	8	-	9.0- 16.5	0.1	8	-	.0- 0.2
	21-31	M	22.7	9	-	16.5- 25.5	0.3	9	-	0.1- 0.4
		F	19.9	9	-	12.5- 24.0	0.3	9	-	0.1- 0.4
Feb.	1-10	M	28.0	1	-	-	0.6	1	-	-
		F	25.2	3	-	23.0- 28.5	0.4	3	-	0.4- 0.6
	11-20	M	25.7	5	-	23.0- 29.5	0.5	5	-	0.3- 0.7
		F	26.5	5	-	25.0- 29.5	0.5	5	-	0.4- 0.6
	21-28	M	31.0	1	-	-	0.9	1	-	-
		F	30.5	3	-	29.5- 31.5	0.8	3	-	0.7- 1.0
March	1-10	F	34.5	1	-	-	1.0	1	-	-

1971

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	1-10	M	12.5	3	-	6.5- 20.0	0.1	3	-	.0- 0.2
		F	13.0	2	-	12.5- 13.5	0.1	1	-	-
	11-20	M	11.8	3	-	7.5- 16.5	0.1	3	-	.0- 0.1
		F	17.6	5	-	15.5- 19.5	0.2	5	-	0.1- 0.2
	21-31	M	18.6	9	-	12.5- 22.7	0.2	7	-	0.1- 0.3
		F	17.9	4	-	13.0- 22.5	0.1	1	-	-

1971 (Continued)

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Feb.	11-20	F	23.0	2	-	21.0- 25.0	0.4	2	-	0.3- 0.5
March	11-20	M	37.7	13	2.8	34.0- 41.5	1.2	13	0.2	1.0- 1.7
		F	34.9	15	2.6	29.0- 39.0	1.0	15	0.2	0.5- 1.3
	21-31	M	40.2	8	-	28.5- 46.0	1.7	8	-	1.3- 2.2
		F	37.6	11	3.7	29.5- 45.0	1.3	11	0.3	0.6- 1.9
April	1-10	M	42.0	1	-	-	1.8	1	-	-
Dec.	1-10	M	4.0	2	-	3.5- 4.4	.0	2	-	.0- .0
	11-20	M	5.8	3	-	4.4- 7.1	.0	3	-	.0- .0
		F	4.3	3	-	3.0- 5.7	.0	3	-	.0- .0

1972

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	1-10	M	13.3	2	-	12.8- 13.7	0.1	2	-	0.1- 0.1
	11-20	M	15.3	3	-	11.2- 18.9	0.1	3	-	.0- 0.2
		F	14.4	5	-	11.8- 16.7	0.1	5	-	0.1- 0.2
	21-31	M	20.1	4	-	19.0- 22.2	0.3	4	-	0.2- 0.4
		F	13.1	3	-	9.5- 16.8	0.1	3	-	.0- 0.1
Feb.	1-10	F	30.0	1	-	-	0.5	1	-	-
	11-20	M	37.0	1	-	-	0.7	1	-	-
	21-29	F	35.5	2	-	34.0- 37.0	0.6	2	-	0.5- 0.7
Dec.	1-10	M	4.8	1	-	-	.0	1	-	-
	11-20	M	6.5	1	-	-	.0	1	-	-

1973

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	1-10	M	9.3	5	-	7.2- 10.7	.0	5	-	.0- 0.1
		F	11.3	13	1.8	8.3- 15.5	0.1	13	.0	.0- 0.1
	11-20	F	13.2	1	-	-	0.1	1	-	-
	21-31	M	18.6	1	-	-	0.2	1	-	-
		F	18.0	2	-	17.5- 18.5	0.2	2	-	0.2- 0.2
Feb.	1-10	M	19.0	2	-	17.4- 20.5	0.3	2	-	0.2- 0.4
		F	20.2	6	-	18.5- 23.0	0.3	6	-	0.2- 0.5
Dec.	11-20	M	6.4	2	-	5.2- 7.7	.0	2	-	.0- .0

1974

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	1-10	M	13.2	4	-	12.3- 13.6	0.1	4	-	0.1- 0.1
		F	11.6	17	2.6	6.5- 15.2	0.1	17	.0	.0- 0.1
	11-20	F	15.3	2	-	13.0- 17.5	0.1	2	-	0.1- 0.2
	21-31	M	17.4	1	-	-	0.2	1	-	-
		F	16.4	1	-	-	0.3	1	-	-

Table 6.1.4
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by Canada off British Columbia.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1958

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	1-10	M	42.5	1	-	-	2.2	1	-	-
	11-20	M	42.0	4	-	36.0- 47.0	2.0	4	-	1.8- 2.2
		F	38.7	3	-	30.0- 45.0	1.5	3	-	0.9- 2.5
	21-30	M	45.8	6	-	43.0- 48.0	2.4	6	-	1.8- 2.8
		F	45.0	12	2.7	40.0- 49.5	2.5	12	0.4	2.0- 3.0
May	1-10	M	48.4	5	-	38.0- 55.0	3.6	4	-	2.9- 3.9
		F	44.3	4	-	34.0- 53.0	2.7	4	-	1.8- 3.6
	11-20	M	54.6	15	2.6	48.0- 58.0	4.2	15	0.5	3.4- 5.1
		F	49.8	3	-	48.0- 51.0	3.3	2	-	3.1- 3.4
	21-31	M	52.7	19	3.4	41.0- 57.0	3.9	19	0.7	2.0- 4.9
		F	53.0	5	-	48.0- 55.0	3.5	5	-	2.8- 4.1
June	1-10	M	56.7	3	-	51.0- 60.0	4.5	3	-	4.0- 5.1
		F	53.7	3	-	49.0- 56.0	4.3	3	-	3.5- 4.8

1959

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	21-31	F	22.0	1	-	-	0.3	1	-	-
March	1-10	M	34.9	4	-	34.0- 37.0	1.3	4	-	1.1- 1.5
		F	34.2	3	-	33.0- 36.0	1.2	3	-	1.0- 1.4
	11-20	M	36.0	1	-	-	1.4	1	-	-
		F	32.8	3	-	31.5- 34.0	1.1	3	-	1.0- 1.2

1959 (Continued)

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	1-10	M	51.7	3	-	50.0- 54.0	4.0	3	-	3.7- 4.2
		F	46.0	4	-	39.0- 51.0	3.1	4	-	2.1- 4.0
	11-20	F	40.0	1	-	-	2.5	1	-	-
	21-31	F	44.0	1	-	-	3.8	1	-	-

1960

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Feb.	11-20	F	25.5	2	-	25.0- 26.0	0.6	2	-	0.5- 0.6
March	1-10	M	34.0	4	-	31.9- 37.0	1.1	4	-	0.8- 1.3
		F	33.1	7	-	30.0- 37.5	1.1	7	-	0.9- 1.4
May	11-20	M	56.5	2	-	55.0- 58.0	3.5	2	-	3.5- 3.5
		F	53.0	2	-	53.0- 53.0	3.4	2	-	3.2- 3.5

1961

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Feb.	21-28	M	32.9	15	2.2	30.0- 36.0	1.0	16	0.1	0.7- 1.2
		F	29.5	12	2.2	26.0- 34.0	0.8	12	0.1	0.6- 1.0
March	1-10	M	32.0	1	-	-	1.2	1	-	-
		F	34.0	1	-	-	1.3	1	-	-
May	21-31	F	49.0	1	-	-	5.1	1	-	-

1962

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Feb.	1-10	M	28.0	2	-	26.0- 30.0	0.5	2	-	0.5- 0.5
	11-20	M	28.3	10	2.1	25.0- 31.0	0.5	10	0.1	0.4- 0.7
		F	26.6	14	1.9	23.0- 29.0	0.5	13	0.1	0.3- 0.6
	21-28	M	32.8	4	-	31.0- 34.0	0.8	4	-	0.7- 0.9
		F	29.0	1	-	-	-	-	-	-

1963

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	1-10	M	54.0	2	-	52.0- 56.0	3.4	2	-	2.8- 4.0
		F	49.0	1	-	-	2.2	1	-	-

1964

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	1-10	M	47.0	2	-	43.0- 51.0	3.7	2	-	3.6- 3.8
	11-20	F	52.0	2	-	47.0- 57.0	3.7	2	-	3.5- 3.8
	21-31	M	46.0	2	-	44.0- 48.0	3.6	2	-	3.1- 4.1
		F	49.0	3	-	45.0- 52.0	3.8	3	-	3.7- 4.0
June	1-10	M	50.7	3	-	45.0- 56.0	4.5	3	-	3.6- 5.0
		F	56.0	1	-	-	4.0	1	-	-
	11-20	F	51.7	3	-	49.0- 56.0	4.4	3	-	3.3- 5.6

1966

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	1-10	M	49.0	1	-	-	3.4	1	-	-
		F	43.0	1	-	-	1.7	1	-	-
	11-20	M	52.0	1	-	-	3.1	1	-	-

1968

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	1-10	M	51.0	4	-	42.0- 55.0	3.2	4	-	1.9- 4.3
		F	49.0	1	-	-	2.4	1	-	-
	21-31	M	54.7	6	-	52.0- 58.0	4.1	6	-	3.5- 5.1
		F	54.5	4	-	52.0- 58.0	4.4	4	-	4.2- 4.8

1972

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Feb.	1-10	F	29.0	1	-	-	0.4	1	-	-

Table 6.1.5
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by Canada in the Gulf of Alaska.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1959

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
June	1-10	M	70.8	35	3.4	65.0- 79.0	5.4	35	0.6	4.5- 6.7
		F	68.1	57	5.3	54.0- 79.0	5.0	57	0.6	3.5- 6.4

1962

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	1-10	M	51.7	3	-	49.0- 56.0	3.8	3	-	2.9- 5.0
	11-20	M	44.4	12	7.3	31.0- 54.0	3.9	12	0.8	2.0- 5.0
		F	43.0	7	-	28.0- 50.0	3.8	7	-	3.5- 4.5
	21-31	M	42.0	1	-	-	4.3	1	-	-
		F	41.0	9	-	30.0- 44.0	4.0	9	-	3.3- 5.5
June	1-10	M	60.0	1	-	-	4.5	1	-	-
		F	60.0	1	-	-	5.0	1	-	-
	11-20	M	62.5	65	2.8	54.0- 68.0	5.5	61	0.7	3.8- 7.0
		F	60.0	47	2.8	49.0- 66.0	5.0	46	0.6	3.4- 6.0
	21-30	M	63.4	7	-	62.0- 68.0	5.6	7	-	5.0- 6.6
		F	61.0	3	-	60.0- 62.0	5.1	3	-	4.8- 5.2

1963

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	21-31	M	60.0	4	-	57.0- 63.0	4.7	4	-	4.0- 5.5
		F	61.5	2	-	61.0- 62.0	4.8	2	-	4.6- 5.0
June	1-10	M	60.4	14	1.9	56.0- 63.0	4.9	15	0.5	4.0- 5.6
		F	57.9	20	4.0	48.0- 65.0	4.6	21	0.7	3.0- 6.0
	11-20	M	62.7	34	3.4	57.0- 76.0	5.5	34	0.7	4.4- 7.3
		F	59.6	43	3.3	54.0- 66.0	5.0	43	0.5	4.0- 5.8
July	1-10	M	65.5	2	-	64.0- 67.0	5.9	2	-	5.7- 6.1
		F	67.0	1	-	-	5.7	1	-	-

1968

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
June	1-10	M	59.2	5	-	56.0- 63.0	5.0	5	-	4.0- 6.0
		F	54.8	5	-	50.0- 59.0	4.4	5	-	3.5- 4.9
	11-20	M	60.8	4	-	57.0- 64.0	5.9	4	-	5.5- 6.2
		F	58.9	16	2.3	55.0- 63.0	5.5	16	0.8	4.0- 7.0
	21-30	M	58.8	5	-	58.0- 61.0	5.8	5	-	5.0- 7.2
		F	56.3	6	-	55.0- 58.0	4.5	6	-	4.1- 5.0
July	1-10	F	56.0	1	-	-	4.7	1	-	-

Table 6.1.6
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by Canada off Western Alaska.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1974

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
July	1-10	M	55.4	7	-	50.0- 60.0	6.1	7	-	5.4- 7.2
		F	52.3	3	-	50.0- 54.0	5.3	3	-	4.5- 6.3

Table 6.1.7
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by Canada in the Eastern Bering Sea.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1974

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
July	1-10	F	55.0	1	-	-	5.8	1	-	-
	11-20	M	52.0	1	-	-	5.8	1	-	-

Table 6.2.1
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by the United States off California.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1958

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Feb.	1-10	M	25.8	14	4.2	18.5- 35.5	0.4	14	0.1	0.2- 0.7
		F	26.4	7	-	23.0- 32.5	0.4	7	-	0.3- 0.6
	11-20	M	27.4	20	3.1	20.5- 34.5	0.5	20	0.1	0.2- 0.8
		F	26.1	26	4.7	9.5- 34.0	0.4	26	0.2	0.1- 0.9
	21-28	M	29.6	30	2.9	22.0- 34.0	0.6	30	0.2	0.3- 1.0
		F	28.4	31	2.8	22.5- 35.0	0.5	31	0.2	0.2- 1.0
March	1-10	M	33.2	24	2.0	30.0- 38.0	0.9	24	0.1	0.6- 1.3
		F	32.9	23	3.1	26.0- 39.5	0.9	23	0.2	0.6- 1.3
	11-20	M	36.2	49	3.3	21.0- 41.5	1.2	49	0.2	0.3- 1.8
		F	35.4	45	2.7	28.5- 41.0	1.1	45	0.2	0.6- 1.6
	21-31	M	39.7	36	3.3	32.0- 49.0	1.5	36	0.4	0.6- 2.7
		F	37.4	33	4.0	28.0- 43.5	1.3	33	0.3	0.6- 1.9
April	11-20	M	46.0	13	3.3	40.0- 53.0	2.3	13	0.4	1.7- 3.2
		F	44.3	10	2.6	39.0- 48.0	2.0	10	0.3	1.5- 2.5

1959

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	x	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	21-31	M	18.2	36	3.0	9.0- 23.5	0.2	36	0.1	0.1- 0.4
		F	18.9	56	2.8	13.0- 24.0	0.2	56	0.1	.0- 0.5

1959 (Continued)

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
Feb.	1-10	M	23.3	43	3.1	12.0- 31.5	0.4	43	0.1	0.1- 0.8
		F	21.8	33	3.1	6.5- 29.5	0.3	32	0.1	0.1- 0.7
	11-20	M	26.8	90	2.3	21.0- 32.0	0.6	90	0.1	0.3- 0.9
		F	25.7	84	2.8	20.0- 33.0	0.5	84	0.1	0.2- 1.0
	21-28	M	29.8	60	2.9	23.0- 37.5	0.7	60	0.2	0.3- 1.5
		F	27.7	63	3.2	13.5- 33.0	0.6	63	0.2	0.1- 1.0
March	1-10	M	32.7	17	4.4	23.0- 40.0	0.9	17	0.3	0.5- 1.5
		F	32.2	23	2.9	27.0- 37.0	0.9	23	0.2	0.6- 1.2
	11-20	M	36.3	33	2.9	30.0- 45.5	1.2	33	0.2	0.8- 1.9
		F	35.0	35	2.4	28.5- 39.5	1.1	35	0.2	0.6- 1.4
	21-31	M	39.3	17	3.2	33.0- 46.0	1.4	17	0.2	1.0- 2.0
		F	37.4	22	3.2	33.0- 44.0	1.2	22	0.2	0.8- 2.0
April	1-10	M	43.2	50	3.4	34.5- 49.2	1.9	50	0.6	0.9- 5.2
		F	41.2	50	2.7	33.5- 46.5	1.6	50	0.3	1.0- 2.3

1960

Month	Ten-Day Period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
Dec.	1-10	M	6.9	2	-	6.3- 7.5	.0	2	-	.0- .0

1961

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
Jan.	1-10	M	15.3	24	2.6	11.0- 19.0	0.1	24	0.1	0.1- 0.3
		F	13.3	24	2.7	5.0- 17.5	0.1	24	0.1	.0- 0.3
	11-20	M	17.2	41	2.7	11.5- 22.0	0.2	41	0.1	0.1- 0.3
		F	16.3	58	2.8	6.0- 22.0	0.1	58	0.1	.0- 0.4
	21-31	M	20.3	73	3.1	11.5- 26.0	0.3	73	0.1	0.1- 0.5
		F	18.8	87	3.1	7.5- 24.0	0.2	87	0.1	.0- 0.5
Feb.	1-10	M	25.2	74	2.9	18.0- 32.5	0.5	74	0.2	0.2- 0.9
		F	23.7	85	3.6	0.4- 29.5	0.4	84	0.1	0.1- 0.8
	11-20	M	27.3	14	4.3	16.0- 32.0	0.6	14	0.2	0.2- 0.9
		F	26.5	21	2.9	21.5- 31.5	0.6	21	0.2	0.3- 0.8
	21-28	M	29.8	14	1.7	28.0- 34.0	0.7	14	0.1	0.6- 0.9
		F	30.2	9	-	28.5- 32.0	0.8	9	-	0.5- 0.9

1961 (Continued)

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	1-10	M	34.1	9	-	29.5- 36.5	1.0	9	-	0.8- 1.1
		F	33.2	9	-	29.5- 38.0	0.9	9	-	0.7- 1.3
	11-20	M	38.1	10	1.8	35.5- 41.0	1.3	10	0.1	1.2- 1.6
		F	35.5	14	1.8	33.0- 39.0	1.1	14	0.1	0.8- 1.3
	21-31	M	41.6	8	-	37.5- 44.0	1.7	8	-	1.3- 2.3
		F	38.9	7	-	36.5- 41.0	1.4	7	-	1.1- 1.8
April	1-10	M	41.0	2	-	38.0- 44.1	1.7	2	-	1.7- 1.7
	11-20	M	47.0	2	-	46.0- 48.0	1.7	2	-	1.3- 2.1

1964

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	11-20	M	44.2	11	6.8	27.0- 53.0	2.1	11	0.7	0.5- 3.1
		F	44.4	11	2.5	41.0- 48.0	2.0	10	0.3	1.6- 2.5
	21-30	M	50.8	10	2.2	47.0- 54.0	3.0	10	0.5	2.2- 3.9
		F	48.3	10	1.7	46.0- 50.0	2.5	10	0.2	2.2- 2.9
May	1-10	M	52.8	14	2.6	49.0- 58.0	3.1	14	0.3	2.3- 3.8
		F	49.9	9	-	45.0- 54.0	2.9	9	-	2.4- 3.9
	11-20	M	55.5	25	3.1	48.0- 61.0	3.7	25	0.6	2.2- 4.6
		F	53.6	21	2.1	50.0- 58.0	3.4	21	0.5	2.5- 4.5
	21-31	M	57.7	11	2.9	53.0- 62.0	4.3	11	0.4	4.0- 5.0
		F	53.9	15	3.9	42.0- 58.0	3.5	15	0.7	1.7- 4.5

1965

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	11-20	M	45.6	8	-	41.0- 50.0	2.2	8	-	1.6- 2.8
		F	44.6	8	-	40.5- 47.5	2.1	8	-	1.6- 2.5
	21-30	M	51.5	4	-	50.5- 53.0	2.9	4	-	2.5- 3.2
		F	46.5	3	-	43.5- 49.0	2.3	3	-	1.9- 2.8
May	1-10	M	55.7	6	-	54.0- 58.0	3.8	6	-	3.4- 4.5
		F	45.8	5	-	18.5- 55.0	2.8	5	-	0.2- 4.0
	11-20	M	54.3	5	-	51.0- 57.5	3.7	5	-	2.8- 4.7
		F	52.9	7	-	49.5- 57.0	3.3	7	-	2.9- 3.8
	21-31	M	56.9	20	3.6	52.0- 64.0	4.2	20	0.7	3.2- 5.3
		F	53.7	17	4.7	40.0- 62.0	3.9	17	0.7	2.8- 5.5

1965 (Continued)

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
June	1-10	M	59.5	21	2.7	55.0- 64.5	4.7	21	0.4	3.9- 5.2
		F	56.3	13	2.0	52.5- 60.0	4.2	13	0.3	3.6- 4.7
	1-30	M	60.0	1	-	-	4.8	1	-	-

1966

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	21-31	M	18.1	13	4.6	7.0- 22.5	0.2	13	0.1	0.1- 0.5
		F	17.8	17	2.4	14.0- 22.0	0.2	17	0.1	0.1- 0.3
Feb.	1-10	M	23.2	9	-	20.0- 27.0	0.3	9	-	0.2- 0.5
		F	22.3	11	2.9	16.0- 27.0	0.3	11	0.1	0.1- 0.4
	11-20	M	27.4	15	2.7	22.5- 31.0	0.6	15	0.1	0.4- 0.8
		F	25.8	29	3.4	14.0- 32.0	0.5	29	0.2	0.1- 1.0
	21-28	M	29.0	19	2.3	25.0- 34.0	0.7	19	0.2	0.4- 1.0
		F	28.7	22	2.2	25.0- 33.5	0.6	22	0.2	0.4- 1.1
March	1-10	M	33.2	31	3.3	25.0- 41.0	0.9	31	0.2	0.1- 1.4
		F	31.6	27	5.0	14.0- 40.0	0.8	27	0.3	0.1- 1.7
	11-20	M	36.3	4	-	31.0- 41.0	1.2	4	-	0.6- 1.5
		F	35.6	6	-	32.0- 38.5	1.2	6	-	0.9- 1.4
	21-31	M	38.2	10	2.4	34.0- 43.0	1.4	10	0.2	1.0- 1.8
		F	36.4	13	2.8	31.0- 41.0	1.3	13	0.1	1.1- 1.4

Table 6.2.2

Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by the United States off Oregon.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1958

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	1-20	M	47.0	12	3.4	41.0- 52.5	2.4	12	0.5	1.3- 3.3
		F	44.4	18	3.0	39.0- 49.0	2.0	18	0.4	1.3- 2.8

1959

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	11-20	M	38.8	2	-	36.0- 41.5	1.4	2	-	1.1- 1.6
		F	37.1	7	-	35.0- 39.0	1.2	7	-	1.1- 1.3
April	1-10	M	45.1	5	-	40.5- 51.0	2.0	5	-	1.6- 2.5
		F	42.9	4	-	41.0- 44.0	1.7	4	-	1.6- 1.9
	11-20	M	45.0	5	-	42.0- 47.0	2.1	5	-	2.0- 2.3
		F	45.0	1	-	-	2.1	1	-	-

1961

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	11-20	M	47.7	2	2.1	45.0- 52.0	2.4	12	0.2	2.0- 2.8
		F	46.6	5	-	44.0- 49.0	2.2	5	-	2.0- 2.4

1964

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	1-10	M	43.0	2	-	42.0- 44.0	1.8	2	-	1.6- 2.0
May	21-31	M	46.5	1	-	-	2.2	1	-	-

Table 6.2.3
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by the United States off Washington.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1958

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	21-30	M	49.3	20	2.4	44.0- 54.0	2.9	20	0.4	1.8- 3.5
		F	47.6	18	2.9	40.0- 52.0	2.4	18	0.3	1.5- 3.0

1959

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	1-10	M	43.4	19	3.7	32.5- 51.5	2.1	19	0.4	1.8- 3.6
		F	40.8	17	3.9	31.0- 48.0	1.7	17	0.3	1.1- 2.2
	11-20	M	47.3	31	3.2	43.0- 55.0	2.3	31	0.5	1.3- 3.2
		F	46.1	28	2.8	38.5- 53.5	2.2	28	0.4	1.4- 3.2
	21-30	M	49.1	18	5.0	41.0- 61.5	2.6	18	0.6	1.7- 4.1
		F	47.1	23	2.1	43.0- 51.0	2.3	23	0.3	1.7- 2.8

1961

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	21-31	M	41.3	15	3.5	34.0- 46.0	1.8	15	0.4	1.1- 2.5
		F	40.2	13	3.5	34.0- 47.0	1.6	13	0.2	1.3- 2.0
April	1-10	M	42.3	3	-	38.0- 46.0	2.1	3	-	1.8- 2.4
		F	43.0	3	-	40.0- 45.0	1.7	3	-	1.5- 1.9
	11-20	M	45.9	37	3.9	34.0- 55.5	2.6	37	0.5	1.6- 3.6
		F	43.3	42	3.5	27.0- 49.0	2.1	42	0.4	0.7- 2.8
	21-30	M	48.2	28	6.3	19.5- 55.0	2.7	28	0.5	1.4- 4.0
		F	46.2	26	3.0	40.0- 51.0	2.3	26	0.4	1.4- 3.5

1964

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	1-10	M	43.4	4	-	37.5- 50.0	2.0	4	-	1.3- 3.0
		F	40.0	4	-	39.0- 41.0	1.6	4	-	1.5- 1.7
May	21-31	M	62.5	1	-	-	4.6	1	-	-

1965

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	1-10	M	44.3	5	-	38.5- 47.0	2.0	5	-	1.4- 2.3
		F	43.3	3	-	41.0- 46.0	1.7	3	-	1.5- 2.1
	11-20	M	46.5	7	-	42.5- 49.0	2.2	7	-	1.8- 2.6
		F	42.9	7	-	39.0- 47.0	1.8	7	-	1.2- 2.5
	21-30	M	48.1	3	2.7	44.5- 52.0	2.5	13	0.3	2.0- 3.0
		F	47.2	7	3.3	41.0- 53.0	2.3	17	0.5	1.5- 3.5

1967

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	1-10	M	13.1	4	-	9.0- 17.0	0.1	4	-	0.1- 0.1
		F	17.0	1	-	-	0.1	1	-	-
	11-20	M	15.7	10	2.6	11.5- 19.5	0.1	10	.0	.0- 0.2
		F	16.0	11	2.6	13.0- 22.0	0.1	11	0.1	0.1- 0.2
	21-31	M	22.3	6	-	18.0- 27.0	0.3	6	-	0.1- 0.5
		F	21.4	9	-	19.5- 24.5	0.3	9	-	0.2- 0.4
Feb.	1-10	M	24.3	8	-	19.0- 28.0	0.4	8	-	0.2- 0.7
		F	23.8	16	2.6	20.0- 28.0	0.4	16	0.1	0.3- 0.6
	11-20	F	27.5	1	-	-	0.6	1	-	-
Nov.	21-30	M	5.0	1	-	-	.0	1	-	-
		F	4.3	1	-	-	.0	1	-	-
Dec.	11-20	M	6.9	10	1.5	4.5- 9.0	.0	10	.0	.0- .0
		F	4.9	22	1.5	1.4- 7.0	.0	21	.0	.0- .0

1968

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	1-10	M	13.9	10	1.2	12.0- 16.0	0.1	10	.0	0.1- 0.1
		F	13.2	10	4.1	5.2- 19.0	0.1	10	.1	.0- 0.2
	21-31	M	20.9	5	-	18.0- 22.5	0.2	5	-	0.2- 0.3
		F	21.0	12	2.6	17.0- 26.0	0.3	12	.1	0.2- 0.5
Feb.	1-10	M	28.0	22	2.9	21.5- 34.5	0.6	22	.2	0.3- 0.9
		F	24.8	26	4.8	10.5- 30.0	0.4	26	.2	0.1- 0.8

1968 (Continued)

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Feb.	11-20	M	29.2	3	-	20.0- 35.5	0.7	3	-	0.6- 0.8
		F	28.7	3	-	28.0- 29.5	0.6	3	-	0.6- 0.7
	21-29	M	30.9	8	-	28.0- 33.0	0.7	8	-	0.5- 1.1
		F	31.0	3	-	28.0- 34.0	0.7	3	-	0.6- 0.8

1969

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Feb.	1-10	M	27.0	4	-	24.0- 30.0	0.6	4	-	0.5- 0.8
		F	23.5	6	-	19.0- 26.5	0.5	6	-	0.3- 0.6
	11-20	M	27.2	17	5.3	8.5- 33.0	0.6	17	0.2	0.1- 0.9
		F	26.0	15	2.2	22.0- 30.5	0.5	14	0.1	0.3- 0.8
	21-28	M	32.6	8	-	26.0- 48.0	0.8	8	-	0.5- 1.1
		F	31.8	2	-	31.5- 32.0	0.9	2	-	0.8- 0.9
March	1-10	M	35.9	16	2.7	29.0- 40.0	1.2	16	0.3	0.6- 1.6
		F	33.8	9	-	25.0- 38.0	1.0	9	-	0.4- 1.3
	11-20	M	36.4	8	-	33.5- 40.0	1.2	9	-	0.9- 1.4
		F	35.8	4	-	34.5- 37.5	1.2	4	-	1.1- 1.2
	21-31	M	40.8	23	3.0	36.0- 48.0	1.6	23	0.3	1.0- 2.2
		F	37.7	27	6.5	9.5- 45.0	1.4	27	0.4	0.1- 2.2

1970

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	1-10	M	32.3	6	-	30.0- 35.0	0.9	6	-	0.8- 1.2
		F	32.8	9	-	26.0- 37.0	1.0	9	-	0.4- 1.4
	11-20	M	35.8	10	4.2	28.0- 40.0	1.3	10	0.3	0.7- 1.8
		F	36.1	14	2.9	29.0- 39.5	1.2	14	0.2	0.7- 1.5
	21-31	M	40.8	15	3.1	35.0- 45.0	1.6	15	0.3	1.1- 2.3
		F	39.0	12	2.7	34.0- 44.0	1.4	12	0.3	0.9- 1.9
April	1-10	M	44.2	5	-	42.0- 46.0	1.9	5	-	1.6- 2.2
		F	40.0	1	-	-	1.5	1	-	-
	11-20	M	47.3	3	-	45.0- 49.0	2.3	3	-	2.0- 2.5
		F	46.2	6	-	42.0- 51.0	2.1	6	-	1.5- 2.8

1970 (Continued)

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
April	21-30	M	51.0	1	-	-	2.5	1	-	-
		F	43.0	2	-	43.0- 43.0	1.9	2	-	1.9- 2.0
May	1-10	M	50.5	2	-	49.0- 52.0	2.7	2	-	2.3- 3.2
		F	45.0	1	-	-	2.0	1	-	-
	11-20	M	55.4	21	2.4	51.0- 59.0	3.6	21	0.4	2.8- 4.3
		F	53.3	20	3.4	45.0- 59.0	3.5	20	0.6	2.0- 4.8
	21-31	M	55.4	5	-	53.0- 57.0	3.6	5	-	3.1- 4.0
		F	53.8	5	-	52.0- 56.0	3.4	5	-	3.1- 3.9
June	1-10	M	53.0	1	-	-	3.3	1	-	-
		F	59.0	1	-	-	4.3	1	-	-

1971

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
March	1-10	M	36.0	1	-	-	1.1	1	-	-
		F	30.5	2	-	28.0- 33.0	0.8	2	-	0.5- 1.0
	11-20	M	37.9	11	2.0	34.0- 42.0	1.4	11	0.2	1.0- 1.6
		F	38.0	13	4.0	33.0- 49.0	1.2	12	0.2	0.8- 1.4
	21-31	M	39.5	9	-	31.0- 45.0	1.6	9	-	1.0- 2.2
		F	39.8	4	-	37.0- 43.0	1.5	4	-	1.2- 1.7
April	1-10	M	41.1	8	-	33.0- 44.0	1.7	8	-	1.0- 2.0
		F	40.5	13	3.7	34.0- 46.5	1.5	13	0.3	1.0- 2.0
	11-20	M	47.6	7	-	39.0- 53.0	2.4	7	-	1.6- 3.1
		F	46.0	4	-	40.0- 51.0	2.1	4	-	1.4- 3.0
	21-30	M	49.1	7	-	46.0- 51.0	2.7	7	-	2.3- 3.1
		F	46.7	8	-	45.0- 50.0	2.4	7	-	2.0- 2.9
May	1-10	M	52.7	6	-	48.0- 56.0	3.3	6	-	2.8- 3.5
		F	46.1	7	-	31.0- 52.0	2.4	7	-	1.4- 3.7
	11-20	M	55.8	5	-	54.0- 57.0	4.0	5	-	3.1- 4.8
		F	52.5	8	-	51.0- 54.0	3.2	8	-	3.0- 3.4
	21-31	F	57.0	2	-	54.0- 60.0	4.0	2	-	3.6- 4.4

1972

Month	Ten-day period	Sex	Length (cm) x̄	n	s	Range	Weight (kg) x̄	n	s	Range
March	1-10	M	34.5	2	-	34.0- 35.0	1.1	2	-	1.0- 1.1
		F	35.0	2	-	34.0- 36.0	0.9	2	-	0.9- 1.0
	11-20	F	35.5	4	-	33.0- 38.0	1.1	4	-	0.9- 1.3

1972 (Continued)

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	21-31	M	41.0	18	2.3	36.0- 45.0	1.6	18	0.2	1.1- 1.9
		F	41.3	12	1.7	39.0- 44.0	1.6	12	0.1	1.4- 1.8
April	1-10	M	44.5	3	-	41.5- 48.0	2.0	3	-	1.7- 2.2
		F	43.0	4	-	41.0- 46.0	1.7	4	-	1.4- 2.1
	11-20	M	50.3	8	-	46.5- 53.5	2.6	8	-	2.0- 3.1
		F	45.9	5	-	44.0- 49.0	2.1	5	-	1.8- 2.4
	21-30	F	48.7	3	-	48.0- 49.0	2.6	3	-	2.5- 2.7
May	1-10	M	52.2	23	4.1	45.5- 61.0	3.3	23	0.5	2.1- 4.2
		F	50.3	18	2.9	45.0- 56.0	3.0	18	0.4	2.3- 3.7
	11-20	M	55.3	4	-	50.0- 61.0	3.6	4	-	2.5- 4.7
		F	54.0	2	-	53.0- 55.0	3.0	2	-	2.8- 3.2

Table 6.2.4
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by the United States off British Columbia.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1960

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
June	1-10	M	56.0	1	-	-	4.1	1	-	-

1961

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Jan.	21-31	M	21.0	2	-	18.0- 24.0	0.3	2	-	0.2- 0.5
		F	23.0	1	-	-	0.3	1	-	-
Feb.	11-20	M	26.5	13	2.7	21.0- 31.0	0.7	13	0.1	0.5- 0.9
		F	27.3	18	3.0	23.0- 34.0	0.6	18	0.2	0.5- 1.0
	21-28	M	32.8	4	-	30.0- 35.0	1.0	4	-	0.8- 1.3
		F	24.6	4	-	1.5- 33.0	0.7	4	-	.0- 1.1
March	11-20	F	35.0	1	-	-	1.1	1	-	-

Table 6.2.5

Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by the United States in the Gulf of Alaska.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1958

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
Feb.	11-20	M	29.8	4	-	27.0- 33.0	0.6	4	-	0.5- 0.8
		F	28.8	4	-	27.0- 33.0	0.7	4	-	0.5- 1.0
	21-28	M	31.9	13	2.6	27.0- 37.0	0.9	13	0.1	0.7- 1.3
		F	27.3	6	-	16.0- 32.0	0.6	6	-	0.1- 0.8
March	1-10	M	34.6	29	3.3	29.0- 41.0	1.2	29	0.3	0.8- 1.8
		F	32.9	22	2.5	28.0- 39.0	0.9	22	0.2	0.7- 1.3
	11-20	M	37.3	9	-	31.0- 41.0	1.4	9	-	0.8- 2.0
		F	35.7	17	2.8	31.0- 42.0	1.2	17	0.3	0.8- 2.0
	21-31	M	39.5	10	2.1	37.0- 44.0	1.6	10	0.2	1.3- 2.0
		F	38.4	10	1.3	37.0- 41.0	1.5	10	0.1	1.2- 1.7
April	1-10	M	43.0	4	-	39.0- 48.0	2.2	4	-	1.8- 2.7
		F	40.8	4	-	40.0- 43.0	1.6	4	-	1.3- 1.8
	11-20	M	50.0	1	-	-	3.0	1	-	-
		F	48.0	2	-	46.0- 50.0	2.4	2	-	2.3- 2.5
	21-30	M	50.7	5	-	48.0- 55.0	3.0	5	-	2.6- 3.4
		F	49.2	8	-	46.0- 54.0	2.8	8	-	2.1- 3.5
May	1-10	M	53.9	35	3.1	48.5- 60.0	3.9	35	0.5	3.0- 5.0
		F	52.1	43	3.1	45.0- 60.5	3.4	43	0.5	2.5- 4.6
	11-20	M	54.3	56	3.8	37.0- 64.0	4.2	56	0.5	3.0- 5.6
		F	53.0	37	3.4	47.0- 62.5	3.6	37	0.6	2.6- 4.8
	21-31	M	58.0	80	4.5	30.0- 68.0	4.8	80	0.7	0.9- 6.1
		F	54.6	68	2.8	49.0- 65.0	4.4	68	0.6	2.9- 5.6
June	1-10	M	60.4	7	-	58.0- 66.0	5.3	7	-	4.8- 5.6
		F	59.1	10	3.4	55.0- 67.0	4.8	10	0.5	4.2- 5.5

1960

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	1-10	M	35.1	14	1.7	33.0- 38.0	1.2	14	0.1	0.9- 1.5
		F	34.5	17	2.0	29.0- 38.0	1.1	17	0.1	0.9- 1.3
	11-20	M	38.9	15	2.8	33.0- 44.0	1.6	15	0.2	1.3- 2.1
		F	37.2	25	2.6	30.0- 42.0	1.4	25	0.2	0.8- 1.8
	21-31	M	41.8	21	2.5	36.0- 45.0	1.8	21	0.3	0.9- 2.3
		F	40.4	15	2.4	36.0- 44.0	1.6	15	0.2	1.3- 2.0
April	1-10	M	36.0	2	-	26.0- 46.0	2.4	2	-	2.1- 2.8
		F	43.8	5	-	40.0- 47.0	2.0	5	-	1.8- 2.3
	11-20	M	49.4	16	3.1	45.0- 56.0	2.7	16	0.5	2.3- 3.9
		F	45.7	18	2.3	41.0- 50.0	2.4	18	0.3	1.8- 3.0

1960 (Continued)

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
April	21-30	M	49.0	76	3.9	29.0- 57.0	3.1	76	0.4	2.2- 4.0
		F	46.8	93	2.9	37.0- 53.0	2.7	93	0.4	1.4- 3.6
May	1-10	M	51.6	60	3.2	38.0- 59.0	3.6	60	0.4	2.0- 4.8
		F	49.6	59	3.2	37.0- 58.0	3.2	59	0.4	2.5- 4.1
	11-20	M	53.3	43	3.4	45.0- 59.0	4.0	43	0.4	2.9- 5.0
		F	51.6	51	2.5	47.0- 58.0	3.5	51	0.5	2.5- 5.0
	21-31	M	56.8	44	3.3	51.0- 63.0	4.5	44	0.5	3.3- 6.0
		F	53.2	64	3.0	46.0- 62.0	3.9	64	0.5	2.9- 5.3
June	1-10	M	60.8	4	-	56.0- 63.0	4.6	4	-	4.2- 5.2
		F	57.5	1	-	-	4.0	1	-	-

1961

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
March	1-10	M	32.0	1	-	-	0.8	1	-	-

1962

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	1-10	M	59.0	1	-	-	5.1	1	-	-
		F	54.5	1	-	-	3.4	1	-	-
	11-20	F	52.0	1	-	-	3.3	1	-	-

1968

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	21-31	M	59.1	24	3.2	53.5- 64.5	4.3	24	0.5	3.4- 5.3
		F	56.7	27	2.6	52.5- 62.0	3.8	27	0.5	3.0- 4.8
June	1-10	M	60.2	3	-	56.5- 64.5	4.6	3	-	4.1- 5.2
		F	59.1	7	-	57.0- 60.5	4.3	7	-	3.5- 4.5

Table 6.2.6
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by the United States off Western Alaska.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1958

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
June	1-10	M	56.8	6	-	54.0- 58.0	5.3	6	-	4.0- 6.5
		F	55.7	8	-	51.0- 59.0	4.8	8	-	3.6- 5.7
	11-20	M	59.7	33	2.7	53.5- 65.0	5.9	33	0.6	4.3- 7.1
		F	57.4	26	2.6	53.0- 64.0	5.3	26	0.6	4.2- 6.1

1960

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
June	1-10	M	60.7	12	3.9	53.0- 66.0	5.1	12	0.7	4.0- 6.0
		F	58.3	9	-	53.0- 61.0	4.5	9	-	4.2- 5.0
	11-20	M	60.6	11	2.5	56.0- 64.5	4.9	11	0.5	4.0- 5.8
		F	59.3	22	3.8	53.0- 65.0	4.9	22	0.6	4.0- 6.1
	21-30	M	58.3	29	2.2	54.0- 64.0	5.6	29	0.5	4.6- 6.8
		F	56.4	32	2.3	53.0- 64.0	5.1	32	0.4	4.3- 5.8

1962

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	11-20	M	54.5	1	-	-	4.2	1	-	-
		F	54.0	1	-	-	3.5	1	-	-
	21-31	M	60.3	5	-	57.5- 62.0	4.7	5	-	4.2- 5.5
		F	58.3	4	-	57.0- 59.0	4.1	4	-	3.7- 4.4
June	1-10	M	62.6	5	-	57.0- 68.0	5.3	5	-	4.0- 6.8
		F	56.5	6	-	54.5- 58.0	4.2	6	-	3.7- 4.5
	11-20	M	60.7	51	2.6	55.0- 66.0	5.6	51	0.6	4.3- 7.1
		F	57.7	79	3.5	47.5- 66.5	5.0	79	0.6	3.9- 6.4
	21-30	F	56.0	1	-	-	4.7	1	-	-
July	11-20	M	63.0	1	-	-	5.9	1	-	-

1968

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
June	1-10	M	61.4	12	2.0	57.0- 64.0	4.8	12	0.5	3.9- 5.5
		F	60.0	10	3.6	52.5- 64.5	4.4	10	0.7	3.1- 5.3
	11-20	M	64.1	14	2.4	60.5- 69.0	5.5	14	0.8	4.0- 6.7
		F	60.3	21	2.7	53.0- 64.5	5.0	21	0.5	3.6- 6.0
	21-30	M	64.4	9	-	60.0- 67.0	5.9	9	-	4.9- 6.5
		F	61.4	17	2.2	57.0- 67.0	4.9	17	0.4	4.2- 5.7
July	1-10	M	63.3	3	-	62.5- 64.0	5.6	3	-	5.3- 6.1
	11-20	F	66.0	1	-	-	6.0	1	-	-
	21-31	F	60.0	1	-	-	5.5	1	-	-

Table 6.2.7
Length and weight of fur seal fetuses, by sex (M = male, F = female), collected by the United States in the Eastern Bering Sea.
($\bar{x}$ = mean, n = sample size, and s = standard deviation for n $\geq$ 10)

1958

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
June	11-20	M	62.0	1	-	-	5.5	1	-	-

1960

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
June	21-30	M	62.4	19	4.1	55.0- 72.0	5.9	19	0.6	5.0- 7.0
		F	58.1	10	4.8	51.0- 66.0	5.2	10	0.6	4.2- 6.2
July	1-10	M	63.3	10	4.3	55.5- 70.0	5.9	10	0.4	5.1- 6.5
		F	59.1	14	3.4	54.0- 65.5	5.1	14	1.0	3.4- 6.6
	11-20	M	64.1	9	-	57.0- 69.5	6.2	9	-	5.1- 6.8
		F	66.0	2	-	65.0- 67.0	5.8	2	-	5.7- 5.8
	21-31	M	63.0	2	-	61.0- 65.0	6.0	2	-	5.2- 6.7
		F	59.0	1	-	-	5.3	1	-	-

1962

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
May	11-20	M	57.5	1	-	-	4.1	1	-	-
June	1-10	M	60.3	6	-	57.0- 64.0	5.2	6	-	4.4- 6.6
		F	60.8	4	-	59.0- 63.0	4.8	4	-	3.8- 5.5
	11-20	M	62.9	6	-	61.0- 66.5	5.7	6	-	5.1- 7.1
		F	56.4	7	-	54.0- 60.0	4.8	7	-	4.2- 5.6
	21-30	M	63.4	17	2.8	57.0- 68.0	6.0	17	0.5	5.1- 6.8
		F	60.3	19	3.2	55.0- 66.0	5.6	19	0.5	4.4- 6.6
July	1-10	M	64.2	23	3.5	58.0- 69.5	6.4	23	0.6	5.3- 7.5
		F	60.8	17	3.3	55.0- 67.0	5.7	17	0.6	4.9- 7.1
	11-20	M	61.5	8	-	55.0- 67.0	6.2	8	-	4.8- 7.3
		F	60.5	15	3.4	53.0- 65.0	5.8	15	0.7	4.7- 7.0
	21-31	M	63.0	1	-	-	5.6	1	-	-
August	11-20	F	54.0	1	-	-	5.3	1	-	-

1963

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
July	1-10	M	62.9	21	3.4	57.0- 69.0	5.8	20	0.7	4.5- 7.1
		F	61.4	24	3.8	53.0- 67.0	5.2	24	0.6	4.2- 6.3
	11-20	M	64.6	13	2.5	61.0- 68.0	6.4	13	0.5	5.6- 7.7
		F	60.5	6	-	50.0- 65.0	5.5	6	-	5.2- 6.1
	21-31	M	62.0	1	-	-	7.6	1	-	-

1964

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
July	1-10	M	65.8	2	-	64.0- 67.5	6.0	2	-	5.7- 6.3
		F	62.3	8	-	59.5- 67.5	5.0	8	-	4.4- 5.7
	11-20	M	65.4	7	-	62.0- 68.0	6.1	7	-	5.5- 7.0
		F	61.9	4	-	58.0- 64.5	5.2	4	-	4.3- 5.6
	21-31	F	64.0	1	-	-	5.1	1	-	-

1968

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
July	1-10	M	63.8	5	-	62.0- 65.0	6.0	5	-	5.3- 7.3
		F	60.8	2	-	59.0- 62.5	5.2	2	-	4.8- 5.6
	11-20	M	64.6	4	-	62.0- 68.0	5.8	4	-	5.3- 6.5
		F	58.0	2	-	57.0- 59.0	4.7	2	-	4.5- 4.8
	21-31	F	63.5	2	-	63.0- 64.0	5.5	2	-	5.4- 5.6

1973

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
July	11-20	F	59.8	2	-	59.0- 60.5	5.2	2	-	5.1- 5.3

1974

Month	Ten-day period	Sex	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
July	11-20	M	65.0	1	-	-	5.5	1	-	-
	21-31	F	64.0	2	-	64.0- 64.0	5.8	2	-	5.5- 6.0

Table 7.1.1
Monthly mean length and weight of nonpregnant female fur seals collected by Canada off California.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1965 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	99.0	1	-	-	18.5	1	-	-

Table 7.1.2
Monthly mean length and weight of nonpregnant female fur seals collected by Canada off Oregon.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1965 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	70.0	2	-	64- 76	7.8	2	-	6.5- 9.2
2	86.0	1	-	-	12.5	1	-	-
3	96.0	3	-	90-101	15.2	3	-	12.0- 18.5
4	102.5	2	-	102-103	14.0	2	-	12.0- 16.0
6	111.5	2	-	109-114	23.8	2	-	22.5- 25.0

1965 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
4	95.5	2	-	92- 99	18.3	2	-	15.0- 21.5

Table 7.1.3
Monthly mean length and weight of nonpregnant female fur seals collected by Canada off Washington.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	70.6	5	-	68- 74	7.9	5	-	6.3- 9.2
18	127.0	1	-	-	37.0	1	-	-

1958 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.8	32	3.5	66- 79	7.9	32	1.0	6.0- 9.6
3	110.5	2	-	96-125	15.1	2	-	14.0- 16.2
4	110.0	1	-	-	22.0	1	-	-
7	122.0	1	-	-	31.0	1	-	-
10	122.0	1	-	-	32.0	1	-	-
13	128.0	1	-	-	39.9	1	-	-

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.3	4	-	73- 78	8.3	4	-	7.5- 8.9
9	116.0	1	-	-	28.1	1	-	-
10	128.0	1	-	-	35.0	1	-	-
15	123.0	1	-	-	31.8	1	-	-

1958 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.5	15	4.2	71- 88	8.9	15	1.2	6.4- 10.8
2	93.6	5	-	87-101	13.3	5	-	11.8- 15.6
3	101.2	14	4.1	95-108	18.3	12	3.3	15.5- 27.3
4	111.0	8	-	102-126	20.4	8	-	16.7- 23.8
5	115.8	4	-	113-119	25.9	4	-	25.0- 27.4
6	114.5	2	-	113-116	25.4	2	-	24.5- 26.3
7	121.0	3	-	119-125	28.9	3	-	26.8- 33.1
15	127.0	1	-	-	39.0	1	-	-
19	131.0	1	-	-	39.5	1	-	-

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.8	13	5.8	67- 89	8.9	13	1.3	6.1- 10.5
2	85.5	2	-	83- 88	13.0	2	-	12.3- 13.6
4	103.3	3	-	98-111	19.5	3	-	17.7- 21.3
5	104.0	3	-	90-113	22.0	3	-	20.9- 23.6
7	121.5	2	-	121-122	34.1	2	-	32.8- 35.4
18	123.0	1	-	-	37.2	1	-	-

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	14	4.2	70- 83	8.4	14	1.5	5.4- 10.5
2	91.7	10	3.1	87- 96	14.1	10	1.2	11.8- 15.5
4	103.7	3	-	92-113	21.8	3	-	20.5- 23.0
5	107.5	4	-	100-116	27.0	4	-	20.0- 31.7
6	127.0	1	-	-	34.0	1	-	-
8	114.7	3	-	113-117	26.1	3	-	23.6- 30.4
13	128.0	1	-	-	34.5	1	-	-

1959 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.4	18	6.7	68- 92	9.1	18	1.7	6.0- 12.2
2	87.1	7	-	81- 98	14.0	7	-	13.6- 15.0
3	103.0	1	-	-	18.5	1	-	-
4	105.0	4	-	100-109	22.3	4	-	20.5- 24.5
5	107.5	4	-	94-114	23.4	4	-	20.0- 25.5
6	112.0	1	-	-	25.5	1	-	-
7	113.0	1	-	-	28.0	1	-	-
9	121.0	1	-	-	31.7	1	-	-
14	131.0	1	-	-	47.6	1	-	-

1960 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.0	1	-	-	10.0	1	-	-
2	83.7	13	4.6	74- 91	12.7	13	1.9	10.0- 16.0
3	93.8	12	4.5	88-100	16.5	12	2.5	12.0- 21.0
4	98.6	5	-	91-103	19.0	5	-	15.0- 22.0
5	108.3	4	-	103-112	24.0	4	-	22.0- 26.0
6	110.0	2	-	104-116	26.5	2	-	26.0- 27.0
7	110.0	1	-	-	27.0	1	-	-
8	118.0	2	-	114-122	28.0	2	-	25.0- 31.0
9	119.5	2	-	118-121	28.5	2	-	27.0- 30.0
10	118.0	2	-	117-119	31.0	2	-	29.0- 33.0
12	119.0	1	-	-	33.0	1	-	-
14	132.0	1	-	-	45.0	1	-	-

1960 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	71.0	6	-	64- 74	10.3	6	-	7.5- 12.0
2	83.6	14	4.6	76- 93	13.3	14	1.0	11.0- 15.0
3	94.0	15	5.3	85-106	17.6	16	1.8	15.0- 21.0
4	102.0	4	-	99-107	21.4	4	-	20.0- 24.0
5	109.3	7	-	100-119	26.3	7	-	23.5- 28.0
6	112.8	6	-	108-126	26.8	6	-	20.0- 36.5

1960 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	114.3	3	-	109-124	28.7	3	-	25.0- 34.0
8	112.0	3	-	108-117	22.8	3	-	16.0- 29.5
9	115.2	5	-	112-120	35.9	5	-	24.5- 42.0
10	118.0	3	-	115-122	33.7	3	-	31.0- 35.0
12	123.0	2	-	117-129	41.0	2	-	34.0- 48.0
13	142.0	1	-	-	50.5	1	-	-
14	125.0	1	-	-	39.0	1	-	-
15	126.0	1	-	-	38.0	1	-	-

1960 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	69.2	6	-	64- 74	7.2	6	-	6.0- 9.0
2	88.4	25	6.8	80-113	12.9	24	2.7	10.0- 24.0
3	94.0	24	4.5	83-101	16.4	24	2.1	13.0- 20.0
4	96.3	6	-	85-103	19.8	6	-	17.0- 22.0
5	105.3	4	-	100-111	21.8	4	-	20.0- 25.0
6	112.8	5	-	107-120	24.4	5	-	22.5- 27.0
7	109.8	5	-	97-117	24.1	5	-	21.0- 32.0
8	114.7	3	-	113-117	29.3	3	-	26.0- 32.0
9	116.5	4	-	111-122	29.8	4	-	27.0- 33.0
12	116.0	1	-	-	-	-	-	-
13	120.0	1	-	-	32.0	1	-	-
14	111.0	1	-	-	25.0	1	-	-
18	125.0	1	-	-	41.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	69.6	16	3.9	62- 81	7.5	16	2.0	3.0- 10.5
2	86.2	5	-	80-106	10.3	5	-	7.5- 13.4
3	92.0	3	-	89- 96	15.3	3	-	15.0- 16.0
4	98.5	6	-	92-105	17.0	6	-	14.0- 21.0
5	102.0	1	-	-	19.5	1	-	-

1961 - March (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	102.0	1	-	-	24.0	1	-	-
7	112.0	1	-	-	22.0	1	-	-
9	116.0	1	-	-	23.0	1	-	-
10	132.0	1	-	-	30.0	1	-	-
12	123.0	1	-	-	35.0	1	-	-
18	127.0	1	-	-	37.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.4	14	3.8	68- 81	8.1	10	1.9	4.0- 10.8
2	85.2	11	8.5	73-101	9.5	9	-	6.0- 14.0
3	96.6	9	-	89-109	14.7	9	-	11.5- 17.5
4	98.2	19	5.3	80-103	17.2	19	1.9	15.0- 20.0
5	106.9	7	-	100-119	20.9	7	-	17.0- 27.0
6	110.0	1	-	-	28.0	1	-	-
7	118.0	2	-	114-122	29.5	2	-	25.0- 34.0
8	116.5	4	-	113-119	27.3	4	-	21.0- 33.0
13	102.5	2	-	83-122	22.5	2	-	13.0- 32.0
15	121.0	1	-	-	37.5	1	-	-
16	127.0	1	-	-	42.0	1	-	-
18	115.7	3	-	112-120	31.0	3	-	27.0- 34.0

1961 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.8	12	4.4	68- 82	7.9	12	2.0	4.5- 10.5
2	85.7	14	7.9	73-100	9.8	14	2.8	5.0- 13.5
3	98.4	18	3.7	92-103	15.6	18	2.2	12.0- 20.0
4	105.9	10	3.8	100-112	19.9	10	2.0	17.0- 24.0
5	109.3	3	-	104-112	22.7	3	-	20.0- 25.0
6	107.0	1	-	-	25.0	1	-	-
7	114.0	2	-	112-116	29.5	2	-	26.0- 33.0
9	119.5	2	-	119-120	29.8	2	-	29.5- 30.0

1961 - May (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
10	125.0	1	-	-	33.0	1	-	-
11	125.0	1	-	-	32.5	1	-	-
14	119.0	1	-	-	27.0	1	-	-
15	123.0	2	-	119-127	35.5	2	-	29.0- 42.0

1961 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	79.5	2	-	77- 82	9.0	2	-	8.0- 10.0
2	94.0	1	-	-	14.0	1	-	-
3	97.0	1	-	-	16.0	1	-	-
4	99.5	2	-	94-105	16.8	2	-	15.5- 18.0

1962 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	69.4	5	-	62- 74	5.6	5	-	5.0- 7.0
2	84.0	1	-	-	8.0	1	-	-
4	100.0	3	-	95-105	17.3	3	-	14.5- 20.0
13	121.0	1	-	-	25.0	1	-	-

1962 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.6	21	4.5	64- 86	8.5	22	1.2	6.5- 12.0
2	86.0	1	-	-	11.0	1	-	-
3	97.9	11	5.5	89-107	17.4	10	2.7	15.0- 23.0
4	103.6	12	3.6	97-109	19.0	12	1.9	15.0- 22.0
5	110.3	7	-	92-117	25.0	6	-	16.0- 31.0
6	112.0	1	-	-	23.0	1	-	-
18	119.0	1	-	-	36.0	1	-	-

1962 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.0	1	-	-	-	-	-	-

1963 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.5	2	-	73- 76	8.3	2	-	8.0- 8.5
2	88.5	2	-	86- 91	13.3	2	-	12.5- 14.0
4	106.0	1	-	-	20.0	1	-	-

1963 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	98.0	1	-	-	15.0	1	-	-
4	100.0	1	-	-	-	-	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	96.0	1	-	-	12.0	1	-	-
4	100.5	4	-	92-105	17.5	4	-	14.0- 21.0
5	101.0	1	-	-	21.0	1	-	-
6	112.0	1	-	-	28.0	1	-	-

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.0	1	-	-	10.0	1	-	-
2	85.5	2	-	82- 89	27.5	2	-	25.0- 30.0
4	102.0	1	-	-	42.0	1	-	-
5	111.0	1	-	-	46.0	1	-	-
10	126.0	1	-	-	35.0	1	-	-

1965 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	98.0	1	-	-	12.5	1	-	-
3	106.5	2	-	98-115	18.0	2	-	18.0- 18.0
4	105.0	1	-	-	15.0	1	-	-
5	111.0	1	-	-	29.0	1	-	-
6	121.0	1	-	-	21.0	1	-	-

1966 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	71.2	38	2.8	65- 76	9.6	38	1.3	7.0- 12.0
3	95.7	6	-	90- 99	20.9	6	-	17.5- 23.0
4	105.9	15	5.9	97-117	21.4	15	4.0	12.5- 26.0

1966 - March (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	108.8	6	-	98-118	28.4	6	-	22.5- 38.0
6	120.5	2	-	120-121	35.3	2	-	32.5- 38.0
7	110.0	1	-	-	32.5	1	-	-
8	121.0	1	-	-	32.0	1	-	-
9	122.0	1	-	-	34.0	1	-	-
13	122.0	1	-	-	47.0	1	-	-
16	125.0	1	-	-	40.5	1	-	-

1966 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.8	12	3.7	67- 79	11.1	12	1.7	8.0- 14.0
2	90.0	4	-	87- 94	15.4	4	-	12.5- 17.0
3	96.5	6	-	86-106	18.8	6	-	14.0- 24.0
4	107.7	3	-	106-109	24.7	3	-	23.0- 27.0
5	111.5	4	-	99-125	26.9	4	-	22.5- 30.0
6	100.0	1	-	-	26.0	1	-	-
8	119.0	2	-	113-125	31.0	2	-	29.0- 33.0
12	118.0	1	-	-	37.0	1	-	-
14	121.0	1	-	-	39.0	1	-	-
17	140.0	1	-	-	42.0	1	-	-
18	130.0	1	-	-	42.0	1	-	-
20	127.0	1	-	-	42.0	1	-	-

1967 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	67.0	1	-	-	6.0	1	-	-
2	86.5	2	-	83- 90	21.5	2	-	13.0- 30.0
3	93.0	1	-	-	17.5	1	-	-
5	105.0	1	-	-	20.0	1	-	-
6	111.0	1	-	-	26.0	1	-	-
9	122.0	1	-	-	36.0	1	-	-

1967 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	67.5	2	-	67- 68	5.8	2	-	3.5- 8.0
2	88.7	3	-	83- 92	10.8	3	-	10.0- 12.5
3	95.6	8	-	87-105	15.4	8	-	12.0- 17.5
4	100.0	1	-	-	17.0	1	-	-
5	105.5	4	-	103-110	22.6	4	-	20.0- 25.0
6	113.3	3	-	110-117	28.8	3	-	22.5- 38.0
7	116.0	2	-	115-117	26.3	2	-	22.5- 30.0
8	123.3	3	-	119-126	30.7	3	-	29.0- 33.0
9	127.0	1	-	-	45.0	1	-	-
10	121.0	1	-	-	35.0	1	-	-
12	121.0	1	-	-	30.0	1	-	-
16	126.0	1	-	-	36.0	1	-	-

1967 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	68.0	1	-	-	7.5	1	-	-
2	89.3	4	-	88- 92	15.8	4	-	12.5- 17.5
3	97.8	9	-	92-103	18.4	9	-	15.0- 22.5
4	106.7	7	-	101-114	22.2	7	-	20.0- 27.5
5	112.8	5	-	102-125	26.0	5	-	20.0- 32.5
7	121.0	1	-	-	35.0	1	-	-

1968 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.8	20	3.4	70- 82	7.6	20	1.8	5.0- 10.0
2	95.0	1	-	-	13.0	1	-	-
3	104.3	3	-	103-105	20.0	3	-	20.0- 20.0
4	109.8	4	-	102-113	22.8	4	-	18.0- 28.0
6	119.0	2	-	114-124	27.5	2	-	22.0- 33.0
8	117.0	1	-	-	30.0	1	-	-
10	122.0	1	-	-	33.0	1	-	-
16	127.0	1	-	-	43.0	1	-	-

1968 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.4	12	3.2	71- 84	7.9	12	1.0	6.0- 10.0
2	86.1	8	-	81- 99	12.0	8	-	10.0- 15.0
3	94.8	18	4.0	87-102	15.5	18	1.9	13.0- 20.0
4	106.4	20	4.5	99-113	20.8	20	1.8	18.0- 25.0
5	110.6	5	-	102-118	21.2	5	-	16.0- 25.0
6	126.0	1	-	-	30.0	1	-	-
7	127.0	1	-	-	35.0	1	-	-
8	114.0	4	-	106-118	27.5	4	-	25.0- 30.0
9	126.5	2	-	126-127	32.5	2	-	30.0- 35.0
10	126.0	1	-	-	38.0	1	-	-
11	122.0	2	-	121-123	33.0	2	-	33.0- 33.0
12	127.5	2	-	124-131	32.5	2	-	30.0- 35.0
16	125.0	1	-	-	40.0	1	-	-
18	132.0	1	-	-	43.0	1	-	-
19	124.0	1	-	-	33.0	1	-	-
21	126.0	1	-	-	42.0	1	-	-
22	127.0	1	-	-	43.0	1	-	-

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	1	-	-	8.0	1	-	-
2	87.0	1	-	-	13.0	1	-	-
3	98.0	1	-	-	18.0	1	-	-
4	106.2	6	-	104-108	22.5	6	-	20.0- 25.0
5	116.5	2	-	116-117	26.5	2	-	25.0- 28.0
7	118.0	1	-	-	30.0	1	-	-
12	114.0	1	-	-	28.0	1	-	-

1969 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.5	15	7.4	67- 97	7.9	15	2.8	5.0- 13.0
2	86.6	5	-	80- 94	10.8	5	-	5.0- 19.0
3	94.3	6	-	93- 96	14.8	6	-	12.0- 18.0
4	103.7	11	5.4	94-110	22.1	11	3.9	17.0- 28.0

1969 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	105.8	11	11.8	73-117	22.8	11	6.7	5.0- 30.0
6	108.7	6	-	100-117	25.5	6	-	22.0- 30.0
8	116.7	3	-	115-119	36.0	3	-	35.0- 38.0
10	119.0	1	-	-	27.0	1	-	-
11	123.0	2	-	115-131	36.5	2	-	30.0- 43.0
17	120.0	1	-	-	43.0	1	-	-
19	121.0	1	-	-	30.0	1	-	-
20	118.0	1	-	-	37.0	1	-	-

1969 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.0	8	-	65- 87	6.8	8	-	4.0- 10.0
2	86.5	13	2.9	81- 92	11.3	13	1.6	9.0- 15.0
3	98.6	29	5.4	90-116	14.9	29	2.1	11.0- 20.0
4	106.3	23	7.8	91-118	19.9	23	2.8	13.0- 26.0
5	110.4	11	7.1	99-123	23.8	11	6.3	14.0- 38.0
6	113.5	2	-	112-115	24.0	2	-	20.0- 28.0
7	113.3	4	-	110-116	30.5	4	-	25.0- 38.0
8	124.0	1	-	-	36.0	1	-	-
10	112.0	1	-	-	22.0	1	-	-
11	130.0	1	-	-	41.0	1	-	-
12	122.5	2	-	116-129	37.0	2	-	31.0- 43.0
20	130.0	1	-	-	39.0	1	-	-
24	115.0	1	-	-	39.0	1	-	-

1970 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	1	-	-	9.9	1	-	-
3	98.0	2	-	94-102	17.8	2	-	16.2- 19.4
4	103.0	4	-	99-109	22.3	4	-	17.6- 26.6
5	115.0	2	-	114-116	30.0	2	-	29.3- 30.6

1970 - January (Continued)

Age	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
6	112.0	4	-	106-117	28.4	4	-	25.2- 32.0
8	126.0	1	-	-	34.2	1	-	-
10	124.0	1	-	-	36.9	1	-	-
11	111.0	1	-	-	31.5	1	-	-
12	121.0	1	-	-	36.0	1	-	-
13	116.0	1	-	-	38.3	1	-	-
18	117.0	1	-	-	42.8	1	-	-
20	140.0	1	-	-	54.5	1	-	-

1970 - February

	Length (cm)				Weight (kg)			
Age	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	75.7	3	-	75- 76	8.5	3	-	7.5- 10.0
2	94.3	3	-	92- 98	16.0	3	-	15.0- 17.0
3	101.8	4	-	95-106	18.8	4	-	17.5- 20.0
5	120.0	2	-	113-127	31.0	2	-	27.0- 35.0
6	116.0	1	-	-	27.0	1	-	-
9	114.0	1	-	-	35.0	1	-	-
13	126.0	2	-	125-127	41.3	2	-	40.0- 42.5

1970 - March

	Length (cm)				Weight (kg)			
Age	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	74.5	2	-	74- 75	9.2	2	-	8.0- 10.4
2	80.0	1	-	-	14.0	1	-	-
3	99.0	1	-	-	16.0	1	-	-
4	106.0	1	-	-	20.0	1	-	-
10	122.0	1	-	-	34.0	1	-	-

1971 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.0	1	-	-	5.0	1	-	-
3	96.0	5	-	94- 98	18.8	5	-	18.0- 20.0
4	108.3	12	5.1	100-116	26.3	12	3.3	22.0- 32.0
5	114.3	4	-	111-119	32.0	4	-	26.0- 37.0
6	118.5	2	-	117-120	33.5	2	-	30.0- 37.0
7	119.7	3	-	113-125	33.3	3	-	30.0- 38.0
8	122.0	2	-	119-125	38.5	2	-	37.0- 40.0
9	126.7	3	-	123-129	37.3	3	-	35.0- 40.0
10	126.0	2	-	121-131	38.0	2	-	36.0- 40.0
13	126.0	2	-	121-131	42.5	2	-	40.0- 45.0
14	123.0	1	-	-	39.0	1	-	-
15	124.0	1	-	-	38.0	1	-	-
20	115.0	1	-	-	35.0	1	-	-
21	125.0	1	-	-	38.0	1	-	-

1971 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	2	-	70- 80	9.5	2	-	7.0- 12.0
2	81.0	1	-	-	11.0	1	-	-
3	100.0	3	-	96-104	16.7	3	-	15.0- 18.0
4	107.4	5	-	102-115	23.8	5	-	21.0- 27.0
5	114.0	2	-	111-117	28.5	2	-	28.0- 29.0
6	121.0	1	-	-	31.0	1	-	-

1971 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.7	3	-	74- 80	9.3	3	-	8.0- 11.0
2	88.0	1	-	-	10.0	1	-	-
3	105.5	4	-	99-114	18.3	4	-	16.0- 21.0
4	107.2	8	-	101-115	20.8	8	-	18.0- 24.0
5	114.3	6	-	108-120	25.2	6	-	22.0- 29.0
6	122.0	2	-	121-123	32.0	2	-	31.0- 33.0
7	120.3	3	-	116-124	30.0	3	-	29.0- 31.0
8	116.0	1	-	-	28.0	1	-	-

1971 - March (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
10	122.5	2	-	117-128	33.0	2	-	32.0- 34.0
11	131.0	1	-	-	41.0	1	-	-
14	128.0	1	-	-	39.0	1	-	-

1971 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.7	3	-	69- 81	8.7	3	-	8.0- 10.0
4	113.0	1	-	-	23.0	1	-	-
5	112.0	1	-	-	27.0	1	-	-
17	130.0	1	-	-	37.0	1	-	-

1971 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
0	74.0	1	-	-	7.6	1	-	-
2	107.0	1	-	-	20.7	1	-	-
3	110.0	4	-	108-112	25.5	4	-	22.9- 27.0
4	114.0	1	-	-	28.8	1	-	-
8	125.0	1	-	-	38.7	1	-	-
12	116.0	1	-	-	33.8	1	-	-
14	131.0	1	-	-	41.4	1	-	-
16	129.0	1	-	-	37.3	1	-	-
22	127.0	1	-	-	40.5	1	-	-

1972 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.0	5	-	70- 75	8.4	5	-	7.6- 9.9
3	103.7	4	-	99-110	20.6	4	-	14.4- 27.0
4	109.0	3	-	102-114	24.7	3	-	21.6- 27.0
5	112.7	7	-	106-118	27.9	7	-	24.3- 32.8
6	126.0	2	-	121-131	37.5	2	-	31.5- 43.6
7	126.0	4	-	121-133	35.3	4	-	33.3- 36.9
9	122.0	1	-	-	35.5	1	-	-
12	119.5	2	-	118-121	34.2	2	-	31.9- 36.4
14	126.0	1	-	-	46.8	1	-	-
16	130.5	2	-	123-138	45.7	2	-	38.2- 53.1
22	136.0	1	-	-	51.7	1	-	-

1972 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	109.5	2	-	108-111	23.8	2	-	23.2- 24.3
18	124.0	1	-	-	37.8	1	-	-

1972 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	121.0	1	-	-	43.2	1	-	-

1973 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	106.5	2	-	102-111	20.5	2	-	19.8- 21.1
5	118.0	2	-	118-118	28.1	2	-	26.5- 29.7
7	119.0	1	-	-	34.6	1	-	-

1973 - January (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
9	131.0	2	-	126-136	39.1	2	-	36.4- 41.8
11	136.0	1	-	-	40.5	1	-	-
12	122.5	2	-	121-124	33.3	2	-	32.8- 33.7
18	128.0	1	-	-	43.6	1	-	-

1973 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	108.0	1	-	-	22.0	1	-	-

1973 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	104.5	2	-	101-108	24.4	2	-	23.9- 24.8

1974 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	68.0	1	-	-	11.7	1	-	-
3	102.0	2	-	91-113	23.0	2	-	21.6- 24.3
4	110.0	1	-	-	24.3	1	-	-
5	106.0	2	-	104-108	24.6	2	-	23.0- 26.1
8	128.0	1	-	-	39.1	1	-	-
12	130.0	1	-	-	44.1	1	-	-
17	104.0	1	-	-	39.6	1	-	-

Table 7.1.4
Monthly mean length and weight of nonpregnant female fur seals collected by Canada off British Columbia.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.1	32	3.4	66- 81	8.6	32	1.4	5.1- 12.7
2	85.0	1	-	-	13.6	1	-	-
3	96.7	3	-	93-100	17.4	3	-	15.4- 20.4
4	102.8	4	-	96-106	19.5	4	-	19.0- 20.4
6	112.0	1	-	-	25.0	1	-	-
7	120.0	1	-	-	32.7	1	-	-
8	112.0	1	-	-	27.2	1	-	-
12	122.0	1	-	-	36.3	1	-	-
14	116.0	1	-	-	31.3	1	-	-
15	127.0	2	-	123-131	35.6	2	-	33.6- 37.6
17	125.0	2	-	121-129	36.3	2	-	29.5- 43.1

1958 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.5	28	3.4	72- 87	8.9	28	1.0	6.8- 10.8
2	88.0	1	-	-	15.4	1	-	-
3	100.4	7	-	94-111	17.8	7	-	15.2- 21.8
4	110.2	12	4.6	104-119	22.0	12	2.1	20.0- 25.8
5	114.0	2	-	111-117	25.8	2	-	23.1- 28.4
6	116.0	3	-	116-116	27.5	3	-	27.2- 28.1
7	121.5	2	-	117-126	30.4	2	-	25.4- 35.3
8	119.0	1	-	-	29.5	1	-	-
9	128.5	2	-	128-129	40.2	2	-	36.3- 44.0
10	133.0	1	-	-	36.3	1	-	-
12	118.0	1	-	-	31.7	1	-	-
15	137.0	1	-	-	43.1	1	-	-
16	132.0	2	-	125-139	42.4	2	-	36.7- 48.1
18	126.0	1	-	-	37.2	1	-	-

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.3	4	-	70- 83	7.7	4	-	6.1- 10.5
2	89.0	1	-	-	11.3	1	-	-
3	101.0	2	-	98-104	17.0	2	-	15.4- 18.6
4	119.0	1	-	-	26.8	1	-	-
6	119.0	1	-	-	26.8	1	-	-
18	135.0	1	-	-	36.3	1	-	-

1958 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	119.0	1	-	-	29.0	1	-	-

1959 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.8	9	-	67- 84	8.2	9	-	7.2- 11.5

1959 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.5	4	-	66- 77	7.5	4	-	5.9- 9.2

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.3	4	-	77- 86	9.9	4	-	9.0- 11.5
4	108.0	1	-	-	25.0	1	-	-
6	116.0	1	-	-	29.0	1	-	-
7	137.0	1	-	-	34.0	1	-	-
16	124.0	1	-	-	49.9	1	-	-
20	140.0	1	-	-	54.5	1	-	-

1959 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	71.5	2	-	71- 72	9.6	2	-	8.6- 10.5
3	103.3	3	-	102-105	20.6	3	-	18.2- 22.2
4	101.0	2	-	100-102	18.9	2	-	17.2- 20.5
5	119.0	1	-	-	28.1	1	-	-

1959 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	89.0	1	-	-	11.8	1	-	-
4	114.0	1	-	-	28.5	1	-	-

1959 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	79.0	1	-	-	8.8	1	-	-

1960 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	102.0	2	-	100-104	19.5	2	-	19.0- 20.0
6	96.0	1	-	-	23.0	1	-	-
8	130.0	1	-	-	30.0	1	-	-
10	114.0	1	-	-	30.0	1	-	-
11	133.0	1	-	-	43.0	1	-	-

1960 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	83.3	7	-	81- 89	12.0	7	-	10.0- 14.0
3	96.0	1	-	-	11.2	1	-	-
4	105.0	1	-	-	19.0	1	-	-
5	118.0	1	-	-	23.0	1	-	-
6	107.0	2	-	107-107	22.3	2	-	22.0- 22.5
9	102.0	1	-	-	-	-	-	-
10	121.5	2	-	118-125	29.5	2	-	28.0- 31.0
16	126.0	1	-	-	-	-	-	-

1961 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.0	1	-	-	7.1	1	-	-
2	80.5	2	-	75- 86	10.2	2	-	9.9- 10.5
4	104.0	1	-	-	20.0	1	-	-
9	118.0	1	-	-	35.0	1	-	-
10	120.0	1	-	-	32.0	1	-	-
12	118.0	1	-	-	31.0	1	-	-
13	121.0	1	-	-	45.0	1	-	-
14	118.0	1	-	-	34.0	1	-	-
15	128.0	1	-	-	39.0	1	-	-
19	129.7	3	-	125-134	38.7	3	-	35.0- 43.0

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	70.1	45	2.9	64- 76	7.3	45	1.3	4.0- 9.8

1961 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.0	1	-	-	7.5	1	-	-
3	95.0	3	-	94- 96	15.5	3	-	12.5- 17.0
4	100.5	2	-	90-111	18.8	2	-	17.5- 20.0
8	128.0	1	-	-	34.0	1	-	-
9	124.0	1	-	-	30.0	1	-	-
10	121.0	1	-	-	40.0	1	-	-

1962 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.2	5	-	68- 78	7.2	6	-	5.0- 8.5
9	122.0	1	-	-	36.0	1	-	-
11	125.0	1	-	-	27.5	1	-	-
12	127.0	1	-	-	35.0	1	-	-
15	130.0	1	-	-	28.0	1	-	-
18	135.0	1	-	-	55.0	1	-	-
19	124.0	1	-	-	38.0	1	-	-
20	133.0	1	-	-	43.0	1	-	-
21	130.0	1	-	-	37.0	1	-	-

1962 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	105.0	2	-	105-105	-	-	-	-

1963 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.5	4	-	70- 80	8.3	4	-	7.5- 10.0
2	89.0	1	-	-	12.5	1	-	-
3	102.0	1	-	-	18.0	1	-	-
4	106.5	2	-	105-108	23.0	1	-	-
7	119.0	1	-	-	30.0	1	-	-
14	130.0	1	-	-	41.0	1	-	-
18	122.0	1	-	-	40.0	1	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	109.0	1	-	-	20.0	1	-	-

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	69.7	3	-	66- 72	14.7	3	-	8.5- 20.0
2	84.0	2	-	82- 86	14.2	2	-	13.4- 15.0
3	103.0	3	-	92-121	26.0	3	-	17.0- 40.0
4	96.0	4	-	84-103	19.4	4	-	9.0- 27.5
5	114.0	1	-	-	22.5	1	-	-
16	126.0	1	-	-	36.0	1	-	-

1964 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.2	6	-	71- 86	9.0	6	-	7.5- 10.0
2	89.5	4	-	84- 97	12.9	4	-	12.0- 14.0
3	93.6	16	4.1	86- 99	18.1	16	3.4	11.5- 25.0
4	97.0	6	-	61-114	23.2	6	-	20.0- 27.0
5	106.0	6	-	96-116	22.0	6	-	20.0- 27.4
6	109.3	3	-	100-122	28.8	3	-	26.0- 32.0

1966 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	81.8	4	-	73- 90	13.3	4	-	11.0- 17.0
3	100.0	3	-	98-101	19.2	3	-	16.0- 22.5
4	102.3	7	-	96-110	23.0	7	-	20.0- 25.0
5	112.3	3	-	106-117	29.3	3	-	28.0- 30.0
8	124.0	1	-	-	33.0	1	-	-

1967 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	101.0	1	-	-	22.0	1	-	-

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	90.5	4	-	88- 92	13.8	4	-	13.0- 15.0
3	99.9	7	-	94-108	17.9	7	-	13.0- 22.0
4	106.4	8	-	104-112	19.9	8	-	18.0- 23.0
5	115.0	3	-	114-117	29.3	3	-	25.0- 35.0
6	119.0	1	-	-	25.0	1	-	-

1968 - May (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	124.0	1	-	-	41.0	1	-	-
10	131.0	1	-	-	33.0	1	-	-
11	121.0	1	-	-	30.0	1	-	-
12	123.0	1	-	-	33.0	1	-	-
14	124.0	1	-	-	38.0	1	-	-
21	130.0	1	-	-	45.0	1	-	-

1969 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
19	122.0	1	-	-	39.0	1	-	-

1972 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	107.0	1	-	-	27.4	1	-	-

1972 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	71.0	1	-	-	5.8	1	-	-

Table 7.1.5
Monthly mean length and weight of nonpregnant female fur seals collected by Canada in the Gulf of Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	83.0	1	-	-	10.3	1	-	-
2	97.0	1	-	-	14.0	1	-	-
3	107.3	12	3.2	101-113	19.4	12	2.3	15.0- 23.0
4	114.5	12	5.6	108-123	23.5	12	3.3	17.5- 29.0
5	120.2	4	-	110-126	29.0	4	-	22.0- 32.0
6	120.0	2	-	118-122	29.5	2	-	26.0- 33.0

1959 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	103.7	4	-	98-110	22.1	4	-	19.0- 27.3
5	107.0	1	-	-	29.5	1	-	-
6	113.3	3	-	106-122	28.6	3	-	24.5- 34.0
7	116.2	4	-	110-126	34.9	4	-	31.0- 41.0
8	115.0	2	-	112-118	29.5	2	-	29.5- 29.5
11	129.0	1	-	-	47.0	1	-	-
15	122.0	1	-	-	38.5	1	-	-
16	123.0	1	-	-	32.5	1	-	-
25	128.0	1	-	-	46.0	1	-	-

1962 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	109.0	2	-	105-113	23.5	2	-	22.0- 25.0
8	119.0	2	-	115-123	30.0	2	-	30.0- 30.0
9	125.0	1	-	-	35.0	1	-	-
11	118.0	1	-	-	30.0	1	-	-
12	132.0	1	-	-	42.0	1	-	-
17	130.0	1	-	-	40.0	1	-	-

1962 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	96.0	1	-	-	14.0	1	-	-
3	102.5	8	-	94-113	18.4	5	-	15.0- 21.0
4	108.6	20	4.1	102-118	24.2	10	2.6	18.0- 28.0
5	114.4	19	3.9	108-120	26.9	17	2.5	23.0- 32.0
6	121.0	4	-	117-125	31.3	4	-	28.0- 34.0
7	121.4	5	-	118-130	33.2	5	-	28.0- 41.0
8	120.0	3	-	116-127	34.0	3	-	27.0- 38.0
9	123.3	6	-	121-126	37.4	6	-	32.5- 40.0
10	121.4	7	-	117-125	33.7	7	-	30.0- 36.0
11	125.0	1	-	-	-	-	-	-
12	133.7	3	-	129-136	48.7	3	-	43.0- 58.0
13	127.5	2	-	126-129	39.0	2	-	38.0- 40.0
14	127.0	2	-	123-131	41.8	2	-	36.0- 47.5
15	134.0	1	-	-	45.0	1	-	-
16	123.0	1	-	-	32.0	1	-	-
17	137.5	2	-	137-138	47.3	2	-	47.0- 47.5

1963 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	99.5	2	-	99-100	17.0	1	-	-
5	110.0	1	-	-	21.0	1	-	-
6	120.0	1	-	-	31.0	1	-	-
11	128.0	1	-	-	37.0	1	-	-
12	122.0	1	-	-	37.0	1	-	-

1963 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	102.5	2	-	101-104	20.0	2	-	19.0- 21.0
4	111.2	8	-	102-116	26.1	8	-	23.0- 30.0
5	113.7	9	-	109-119	27.5	9	-	25.0- 32.5
6	119.6	8	-	111-129	31.1	8	-	19.0- 44.0
7	120.3	3	-	114-125	31.2	3	-	27.5- 33.0
8	118.5	2	-	115-122	29.5	2	-	29.0- 30.0
9	118.0	1	-	-	30.5	1	-	-

1963 - June (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
10	127.7	3	-	126-129	36.7	3	-	30.0- 42.0
11	122.0	2	-	119-125	37.0	2	-	37.0- 37.0
12	126.6	5	-	122-132	37.6	4	-	32.0- 42.0
13	127.3	3	-	121-134	40.8	3	-	36.5- 46.0
14	129.5	2	-	128-131	42.8	2	-	40.0- 45.5
15	129.7	6	-	125-137	42.2	6	-	37.0- 54.0
16	126.3	4	-	121-131	41.3	4	-	36.0- 48.0
17	124.0	1	-	-	35.5	1	-	-
18	126.0	1	-	-	41.0	1	-	-
19	122.0	2	-	117-127	37.5	2	-	31.0- 44.0
20	132.0	1	-	-	40.0	1	-	-
21	125.0	1	-	-	39.0	1	-	-
22	129.0	1	-	-	41.0	1	-	-
23	126.0	1	-	-	42.5	1	-	-

1963 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	85.0	1	-	-	12.0	1	-	-
3	102.3	3	-	100-104	20.3	3	-	18.5- 22.5
4	109.5	4	-	102-114	25.9	4	-	23.5- 28.0
5	115.5	4	-	113-118	26.0	4	-	23.0- 27.5
6	122.0	2	-	122-122	32.5	2	-	30.0- 35.0

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	93.7	3	-	90-101	15.3	3	-	13.0- 18.0
3	103.7	11	6.7	95-119	19.5	11	4.3	15.0- 30.0
4	111.2	25	5.3	103-126	24.3	25	2.4	20.0- 30.0
5	117.4	9	-	109-132	28.3	9	-	25.0- 33.0
6	116.2	8	-	106-121	27.3	8	-	20.0- 34.0
7	120.0	3	-	118-124	34.3	3	-	33.0- 35.0
8	123.0	4	-	120-128	36.3	4	-	30.0- 45.0
9	122.3	4	-	118-128	32.8	4	-	25.0- 38.0

1968 - June (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
10	128.2	5	-	125-132	37.6	5	-	35.0- 40.0
11	124.0	1	-	-	35.0	1	-	-
12	132.0	1	-	-	35.0	1	-	-
13	122.0	1	-	-	43.0	1	-	-
14	129.0	1	-	-	40.0	1	-	-
16	135.0	1	-	-	47.0	1	-	-
17	125.0	1	-	-	35.0	1	-	-
18	144.0	1	-	-	40.0	1	-	-

1968 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	90.0	1	-	-	15.0	1	-	-
3	102.3	6	-	97-108	19.5	6	-	15.0- 24.0
4	112.9	8	-	105-121	25.6	8	-	22.0- 31.0
5	113.7	3	-	106-122	28.3	3	-	25.0- 32.0
6	119.0	2	-	118-120	33.0	2	-	31.0- 35.0
7	131.0	1	-	-	31.0	1	-	-
8	119.0	1	-	-	35.0	1	-	-
12	134.0	1	-	-	40.0	1	-	-

Table 7.1.6
Monthly mean length and weight of nonpregnant female fur seals collected by Canada off Western Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10).

1974 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	118.0	1	-	-	31.0	1	-	-
6	111.0	1	-	-	39.6	1	-	-
8	115.0	1	-	-	29.3	1	-	-
15	123.0	1	-	-	40.1	1	-	-

Table 7.1.7
Monthly mean length and weight of nonpregnant female fur seals collected by Canada in the Eastern Bering Sea.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1974 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	118.0	1	-	-	53.1	1	-	-

Table 7.2.1
Monthly mean length and weight of nonpregnant female fur seals collected by the United States off California.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	97.7	9	-	92-103	17.6	9	-	15.0- 20.0
4	101.0	1	-	-	18.0	1	-	-
5	108.2	5	-	100-113	23.7	5	-	20.0- 26.0
6	110.5	2	-	104-117	23.3	2	-	19.0- 27.5
10	125.0	2	-	124-126	31.8	2	-	30.5- 33.0
11	132.0	1	-	-	32.5	1	-	-
12	119.3	3	-	116-123	32.2	3	-	29.0- 36.0
13	124.0	2	-	120-128	35.3	2	-	31.5- 39.0
14	106.0	1	-	-	24.0	1	-	-
18	128.0	1	-	-	40.0	1	-	-
19	129.0	1	-	-	40.0	1	-	-

1958 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	90.0	1	-	-	14.5	1	-	-
3	98.3	7	-	92-105	15.1	7	-	13.0- 17.0
4	104.7	15	5.5	98-121	20.5	15	2.8	15.0- 27.5

1958 - March (Continued)

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	111.6	13	4.0	103-117	23.3	13	2.9	18.0- 30.0
6	119.3	3	-	114-126	27.5	3	-	27.0- 28.0
7	119.0	1	-	-	24.5	1	-	-
8	118.0	3	-	113-122	26.7	3	-	24.5- 28.0
9	119.0	1	-	-	27.0	1	-	-
10	121.0	2	-	111-131	30.5	2	-	28.0- 33.0
11	125.0	2	-	124-126	28.5	2	-	26.0- 31.0
12	121.7	4	-	112-130	31.5	4	-	22.5- 36.0
13	123.0	1	-	-	25.5	1	-	-
14	123.7	4	-	121-129	36.3	4	-	35.0- 37.5
15	124.0	4	-	121-128	33.8	4	-	30.5- 38.0
16	122.3	3	-	115-129	31.5	3	-	23.0- 37.5
17	129.0	3	-	125-136	36.3	3	-	31.0- 41.0
18	126.0	1	-	-	38.0	1	-	-

1958 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	84.0	1	-	-	10.5	1	-	-
4	104.0	1	-	-	19.0	1	-	-
5	114.0	1	-	-	26.0	1	-	-
7	127.3	3	-	126-128	33.7	3	-	31.0- 37.5
8	113.0	1	-	-	21.5	1	-	-
12	124.0	1	-	-	35.5	1	-	-
13	126.5	2	-	125-128	31.8	2	-	29.5- 34.0
18	126.0	1	-	-	36.0	1	-	-
19	125.0	2	-	122-128	37.5	2	-	34.0- 41.0

1959 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.0	1	-	-	8.0	1	-	-
4	105.6	5	-	102-110	21.8	5	-	20.0- 26.0
6	112.5	2	-	112-113	30.0	2	-	22.5- 37.5
7	109.0	1	-	-	23.0	1	-	-
8	116.5	2	-	116-117	27.5	2	-	25.0- 30.0
9	123.0	1	-	-	33.0	1	-	-
10	120.0	1	-	-	35.0	1	-	-
12	120.0	1	-	-	28.0	1	-	-
16	117.5	2	-	116-119	34.8	2	-	34.0- 35.5
17	122.0	1	-	-	27.0	1	-	-
18	119.0	1	-	-	27.5	1	-	-
22	131.0	1	-	-	42.0	1	-	-
23	119.0	1	-	-	32.5	1	-	-

1959 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	67.0	1	-	-	5.5	1	-	-
2	90.2	5	-	88- 93	13.5	5	-	10.0- 20.0
3	102.8	13	5.8	93-116	17.8	13	1.9	15.0- 20.5
4	104.8	36	7.4	79-121	21.4	36	2.4	13.0- 25.5
5	112.8	25	5.5	95-121	25.7	25	3.1	20.0- 32.5
6	116.6	10	5.8	108-128	26.7	10	2.0	24.0- 29.5
7	119.1	17	5.6	108-128	27.9	17	3.6	22.0- 34.0
8	121.6	7	-	117-124	29.1	7	-	25.0- 33.0
9	121.0	4	-	117-129	29.0	4	-	27.5- 32.0
10	121.1	8	-	117-125	32.1	8	-	28.5- 35.0
11	120.2	5	-	116-123	27.6	5	-	22.0- 32.0
12	127.5	2	-	127-128	34.5	2	-	34.0- 35.0
13	127.7	6	-	122-132	35.4	6	-	28.0- 42.0
14	127.3	7	-	124-130	39.6	7	-	33.0- 45.0
15	126.3	6	-	117-141	37.6	6	-	26.0- 50.0
16	128.6	10	6.2	115-138	39.3	10	3.6	32.5- 47.0
17	129.6	5	-	122-135	37.4	5	-	28.0- 42.0
18	129.0	1	-	-	32.5	1	-	-
19	130.0	3	-	124-137	44.7	3	-	43.0- 48.0
20	128.0	1	-	-	43.0	1	-	-
22	131.0	2	-	131-131	40.0	2	-	35.0- 45.0
26	128.0	1	-	-	35.0	1	-	-

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	88.3	10	5.8	77- 94	13.0	10	2.1	10.0- 18.0
3	99.8	10	3.9	93-106	17.5	10	1.2	16.0- 19.0
4	106.3	20	3.5	101-112	21.6	20	3.3	17.0- 31.0
5	111.3	10	4.3	105-118	23.0	10	1.7	21.0- 26.0
6	117.9	8	-	104-131	27.9	8	-	21.0- 33.0
7	119.0	13	4.0	114-130	26.4	13	2.9	22.0- 32.0
8	123.5	6	-	118-129	29.9	6	-	23.0- 36.0
9	118.3	3	-	118-119	28.7	3	-	27.0- 30.0
10	119.0	1	-	-	26.0	1	-	-
11	130.0	1	-	-	33.5	1	-	-
12	123.5	2	-	123-124	31.5	2	-	30.0- 33.0
14	122.5	2	-	119-126	30.3	2	-	26.0- 34.5
16	135.0	1	-	-	49.0	1	-	-
17	124.0	1	-	-	37.5	1	-	-
20	127.0	1	-	-	41.0	1	-	-
21	137.0	1	-	-	54.0	1	-	-

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	90.0	3	-	86- 94	12.0	3	-	10.5- 13.5
3	98.3	6	-	81-107	15.1	6	-	11.0- 18.0
4	107.4	12	5.4	100-119	21.0	12	2.1	17.5- 24.0
5	109.0	5	-	105-112	24.0	5	-	21.0- 26.5
6	112.0	4	-	108-115	24.4	4	-	22.0- 27.0
8	122.8	4	-	117-129	29.6	4	-	26.0- 32.0
9	128.0	1	-	-	29.0	1	-	-
10	127.0	2	-	126-128	32.5	2	-	30.0- 35.0
11	124.5	2	-	120-129	36.0	2	-	36.0- 36.0
12	118.0	1	-	-	30.0	1	-	-
14	127.0	1	-	-	31.5	1	-	-
16	127.5	2	-	123-132	36.5	2	-	34.0- 39.0
18	127.0	1	-	-	45.0	1	-	-
20	131.0	1	-	-	41.0	1	-	-
24	131.0	1	-	-	34.0	1	-	-

1960 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	112.0	1	-	-	23.0	1	-	-

1961 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	92.5	2	-	91- 94	13.5	2	-	12.0- 15.0
3	100.0	26	4.2	92-109	17.3	26	2.6	14.0- 23.0
4	105.7	18	5.5	94-113	20.3	18	2.4	14.0- 24.0
5	111.6	14	6.2	99-121	25.0	14	3.2	20.1- 30.0
7	120.6	7	-	109-132	29.9	7	-	25.0- 35.0
8	120.5	11	5.4	112-129	30.7	11	4.4	26.0- 39.0
9	122.4	5	-	118-131	31.0	5	-	28.0- 35.0
10	122.7	3	-	121-124	33.0	3	-	27.0- 37.0
11	126.3	3	-	123-131	36.0	3	-	30.0- 45.0
12	125.0	4	-	116-135	34.5	4	-	26.0- 42.0
13	127.3	7	-	117-135	38.1	7	-	32.0- 45.0
14	122.7	3	-	120-126	34.7	3	-	34.0- 36.0
15	127.0	7	-	118-133	39.4	7	-	32.0- 45.0
16	128.7	3	-	121-143	38.8	3	-	33.0- 50.0
17	125.4	5	-	122-127	39.2	5	-	36.0- 44.0
18	125.0	2	-	120-130	40.0	2	-	40.0- 40.0
19	120.0	1	-	-	40.0	1	-	-
21	122.0	1	-	-	35.0	1	-	-
23	122.0	1	-	-	36.0	1	-	-

1961 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	98.8	17	4.9	92-108	17.6	17	2.7	14.0- 22.0
4	107.1	16	4.3	97-117	20.8	16	2.2	16.0- 25.0
5	108.2	13	7.0	97-119	23.2	13	3.2	16.0- 27.0
6	116.8	5	-	113-120	27.0	5	-	25.0- 28.0
7	115.0	7	-	107-126	28.3	7	-	21.0- 36.0
8	120.0	5	-	115-129	32.6	5	-	29.0- 35.0
10	115.0	1	-	-	30.0	1	-	-
11	119.5	4	-	118-122	33.8	4	-	30.0- 36.0

1961 - February (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
12	123.2	4	-	119-127	36.5	4	-	31.0- 40.0
13	125.0	2	-	122-128	32.5	2	-	30.0- 35.0
14	125.5	2	-	122-129	36.5	2	-	32.0- 41.0
15	125.2	4	-	111-136	41.8	4	-	34.0- 47.0
16	124.0	1	-	-	33.0	1	-	-
17	116.5	2	-	116-117	33.0	2	-	32.0- 34.0
18	131.0	1	-	-	43.0	1	-	-
19	124.5	2	-	123-126	40.0	2	-	39.0- 41.0

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	91.8	5	-	88- 97	12.2	5	-	10.0- 14.0
3	102.6	11	3.0	98-107	16.0	11	1.8	13.0- 18.0
4	110.3	10	4.9	103-116	20.0	10	3.3	14.5- 25.0
5	117.3	4	-	106-123	23.6	4	-	20.0- 27.0
6	120.5	2	-	114-127	28.0	2	-	26.0- 30.0
10	126.0	1	-	-	38.0	1	-	-
11	134.0	1	-	-	38.0	1	-	-
13	134.0	1	-	-	42.5	1	-	-
15	127.0	1	-	-	37.0	1	-	-
16	128.0	1	-	-	39.0	1	-	-
18	126.7	3	-	124-132	35.3	3	-	30.0- 38.0
19	138.0	1	-	-	41.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	106.0	1	-	-	18.0	1	-	-
8	116.0	1	-	-	25.0	1	-	-
15	121.0	1	-	-	39.5	1	-	-
17	133.0	1	-	-	37.0	1	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	1	-	-	10.0	1	-	-
2	91.3	6	-	89- 94	14.0	6	-	13.0- 16.0
3	99.2	6	-	97-102	18.3	6	-	17.0- 19.0
4	105.5	11	4.8	98-115	20.1	11	1.9	16.0- 23.0
5	111.6	9	-	98-124	24.6	9	-	21.0- 27.0
6	111.8	6	-	109-118	23.8	6	-	20.0- 28.0
8	123.0	2	-	122-124	33.0	2	-	31.0- 35.0
11	127.0	1	-	-	35.0	1	-	-
14	123.3	3	-	118-128	39.3	3	-	37.0- 44.0
15	126.3	3	-	120-133	38.0	3	-	32.0- 44.0
16	129.0	1	-	-	38.0	1	-	-
17	129.0	1	-	-	33.0	1	-	-
20	126.7	3	-	124-131	37.3	3	-	33.0- 44.0

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.8	8	-	70- 81	9.1	8	-	6.0- 11.0
2	90.7	14	3.7	86- 99	12.6	14	1.8	10.0- 17.0
3	100.0	23	5.9	88-110	17.5	23	2.3	14.0- 23.0
4	109.3	15	3.8	99-114	22.0	15	3.2	16.0- 28.0
5	112.8	13	3.9	108-122	25.1	13	3.4	21.0- 32.0
6	112.0	2	-	111-113	24.5	2	-	22.0- 27.0
7	119.0	2	-	116-122	27.0	2	-	25.0- 29.0
9	124.0	1	-	-	36.0	1	-	-
10	122.0	1	-	-	26.0	1	-	-
11	131.5	2	-	130-133	41.5	2	-	41.0- 42.0
12	126.0	5	-	119-133	34.2	5	-	33.0- 36.0
15	131.0	2	-	130-132	43.5	2	-	42.0- 45.0
16	126.0	1	-	-	34.0	1	-	-
17	133.3	3	-	132-135	48.7	3	-	45.0- 52.0
18	126.0	4	-	124-128	40.0	4	-	39.0- 41.0
19	128.5	2	-	124-133	42.5	2	-	36.0- 49.0
20	130.0	1	-	-	52.0	1	-	-

1965 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.0	1	-	-	11.0	1	-	-
2	90.0	3	-	88- 93	12.7	3	-	11.0- 14.0
3	102.0	3	-	98-105	19.0	3	-	17.0- 22.0
4	108.5	6	-	106-112	21.8	6	-	20.0- 24.0
5	112.5	2	-	111-114	24.5	2	-	24.0- 25.0
6	120.0	2	-	120-120	25.0	2	-	25.0- 25.0
9	120.5	2	-	117-124	31.0	2	-	31.0- 31.0
16	131.0	1	-	-	45.0	1	-	-

1965 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.0	3	-	72- 82	8.7	3	-	7.0- 10.0
2	93.0	2	-	92- 94	14.0	2	-	14.0- 14.0
3	101.5	11	5.0	94-111	17.5	11	3.3	13.0- 23.0
4	110.0	21	5.0	101-117	20.8	21	2.3	16.0- 25.0
5	110.0	5	-	108-116	22.2	5	-	19.0- 24.0
6	115.7	3	-	115-116	25.3	3	-	24.0- 27.0
7	120.0	1	-	-	28.0	1	-	-
9	116.0	1	-	-	27.0	1	-	-
10	134.0	1	-	-	46.0	1	-	-
12	128.3	4	-	125-133	39.0	4	-	35.0- 43.0
14	124.0	1	-	-	33.0	1	-	-
15	123.0	1	-	-	32.0	1	-	-
16	133.0	1	-	-	51.0	1	-	-
17	128.0	1	-	-	41.0	1	-	-
18	129.0	2	-	129-129	43.0	2	-	42.0- 44.0
19	133.5	2	-	133-134	45.5	2	-	45.0- 46.0
20	126.0	1	-	-	39.0	1	-	-
21	128.0	1	-	-	37.0	1	-	-
23	131.0	1	-	-	45.0	1	-	-

1965 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	96.0	1	-	-	14.0	1	-	-
3	103.0	17	3.4	97-109	17.7	17	1.3	14.0- 20.0
4	111.0	20	3.2	104-117	22.4	20	2.5	18.0- 26.0
5	118.6	5	-	112-122	26.8	5	-	26.0- 28.0
6	120.0	4	-	114-124	27.3	4	-	25.0- 30.0
7	125.0	1	-	-	32.0	1	-	-
8	125.7	3	-	119-133	32.0	3	-	29.0- 37.0
9	122.0	2	-	118-126	28.5	2	-	26.0- 31.0
11	129.0	1	-	-	37.0	1	-	-
15	124.0	1	-	-	36.0	1	-	-
17	121.0	1	-	-	35.0	1	-	-
18	131.0	2	-	127-135	45.5	2	-	42.0- 49.0

1966 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	97.5	2	-	93-102	16.5	2	-	16.0- 17.0
4	110.8	6	-	106-123	23.5	6	-	19.0- 33.0
5	113.5	2	-	110-117	24.0	2	-	23.0- 25.0
6	119.0	3	-	116-124	28.7	3	-	26.0- 30.0
7	123.0	3	-	120-128	32.0	3	-	31.0- 33.0
8	123.0	3	-	121-125	35.3	3	-	33.0- 39.0

1966 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.0	4	-	70- 76	6.8	4	-	6.0- 8.0
2	97.0	1	-	-	14.0	1	-	-
3	100.5	17	5.5	95-112	17.7	17	2.4	12.0- 23.0
4	105.0	26	5.5	96-118	22.0	27	3.4	16.0- 30.0
5	112.9	20	3.7	106-119	24.1	20	2.9	19.0- 30.0
6	115.5	2	-	113-118	24.8	2	-	20.0- 29.5
7	120.7	6	-	115-125	30.2	6	-	27.0- 35.0
8	117.8	4	-	112-124	30.8	4	-	27.0- 36.0
10	117.0	1	-	-	29.0	1	-	-
11	132.0	1	-	-	37.0	1	-	-

1966 - February (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
14	128.0	1	-	-	34.0	1	-	-
16	121.0	1	-	-	37.0	1	-	-
17	130.0	1	-	-	37.0	1	-	-
19	127.0	1	-	-	43.0	1	-	-
21	125.0	1	-	-	36.0	1	-	-

1966 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	79.0	3	-	78- 80	8.8	3	-	7.5- 10.0
2	86.8	4	-	77- 91	12.0	4	-	10.0- 13.0
3	98.1	11	5.3	91-106	16.1	11	2.4	10.0- 18.5
4	105.4	36	6.6	94-117	20.7	35	2.1	17.0- 26.0
5	112.3	27	6.1	95-120	24.1	26	2.6	21.0- 33.0
6	116.0	5	-	111-124	25.7	5	-	21.0- 28.0
7	122.0	1	-	-	30.0	1	-	-
8	123.5	2	-	119-128	31.0	2	-	29.0- 33.0
10	119.0	1	-	-	27.0	1	-	-
11	126.0	4	-	124-128	37.8	4	-	34.0- 43.0
14	123.0	1	-	-	36.0	1	-	-
15	124.0	1	-	-	40.5	1	-	-
17	122.0	2	-	120-124	34.0	2	-	34.0- 34.0
19	124.0	1	-	-	36.0	1	-	-
20	124.0	1	-	-	36.0	1	-	-

Table 7.2.2
Monthly mean length and weight of nonpregnant female fur seals collected by the United States off Oregon.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.0	2	-	74- 78	7.0	2	-	7.0- 7.0
3	101.0	6	-	93-105	15.3	6	-	14.0- 17.5

1958 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	109.2	4	-	107-112	20.5	4	-	19.0- 22.5
5	107.3	3	-	103-114	22.0	3	-	20.0- 25.0
6	121.5	2	-	114-129	29.3	2	-	26.5- 32.0
7	120.0	1	-	-	29.0	1	-	-
8	117.0	1	-	-	25.0	1	-	-
12	121.0	1	-	-	32.5	1	-	-
13	117.0	1	-	-	25.5	1	-	-
14	135.0	1	-	-	35.0	1	-	-

1959 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	86.0	1	-	-	14.0	1	-	-
3	100.0	1	-	-	16.0	1	-	-
4	105.0	1	-	-	21.0	1	-	-
8	109.0	1	-	-	20.0	1	-	-

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.3	3	-	74- 78	8.0	3	-	7.0- 9.0
3	93.0	1	-	-	16.0	1	-	-
4	112.0	2	-	110-114	21.5	2	-	20.0- 23.0
5	109.0	1	-	-	26.0	1	-	-
6	109.0	1	-	-	23.0	1	-	-
9	116.0	1	-	-	26.0	1	-	-

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.0	1	-	-	6.5	1	-	-
2	87.0	2	-	85- 89	12.0	2	-	11.0- 13.0
3	92.5	2	-	89- 96	14.3	2	-	12.5- 16.0
5	110.0	2	-	107-113	21.3	2	-	21.0- 21.5
7	119.0	1	-	-	23.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	112.0	1	-	-	18.5	1	-	-
6	121.0	3	-	115-125	27.0	3	-	26.0- 29.0
8	122.5	2	-	122-123	27.5	2	-	26.0- 29.0
13	132.0	1	-	-	31.0	1	-	-
15	137.0	1	-	-	39.5	1	-	-
16	133.0	1	-	-	48.5	1	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	87.5	2	-	85- 90	10.5	2	-	10.0- 11.0
3	101.0	3	-	95-104	15.7	3	-	14.0- 17.0

Table 7.2.3
Monthly mean length and weight of nonpregnant female fur seals collected by the United States off Washington.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.7	14	3.7	71- 82	8.8	14	1.1	6.0- 10.5
2	79.0	1	-	-	8.0	1	-	-
3	103.2	6	-	99-106	18.6	6	-	17.5- 20.0
4	107.0	3	-	104-109	20.5	3	-	18.5- 22.5
5	117.0	1	-	-	26.0	1	-	-
6	118.0	1	-	-	25.0	1	-	-
7	124.0	1	-	-	32.0	1	-	-
10	123.7	3	-	119-128	29.3	3	-	27.5- 32.0
11	128.0	1	-	-	34.5	1	-	-
12	122.0	2	-	121-123	32.8	2	-	32.5- 33.0
14	132.0	1	-	-	38.5	1	-	-
15	138.0	1	-	-	41.5	1	-	-

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.1	9	-	72- 79	9.7	9	-	7.0- 12.0
2	86.2	13	7.1	75- 97	12.5	13	2.8	7.0- 16.0
3	91.9	10	6.2	76- 98	14.1	10	2.0	11.0- 17.0
4	109.3	11	4.9	103-119	20.7	11	1.9	18.0- 24.0
5	111.9	7	-	106-119	23.6	7	-	19.0- 27.0
6	115.0	2	-	110-120	26.0	2	-	24.0- 28.0
7	116.5	2	-	114-119	25.3	2	-	25.0- 25.5
8	123.0	3	-	116-132	29.3	3	-	23.0- 34.0
9	116.0	1	-	-	26.5	1	-	-
10	125.5	2	-	124-127	34.8	2	-	30.0- 39.5
11	129.5	2	-	123-136	31.8	2	-	28.5- 35.0
12	124.0	3	-	123-126	33.2	3	-	32.0- 34.0
14	121.0	1	-	-	30.5	1	-	-
15	122.0	4	-	118-130	33.6	4	-	30.0- 35.0
16	126.5	2	-	126-127	35.3	2	-	34.0- 36.5
18	135.0	1	-	-	39.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.0	3	-	70- 75	7.7	3	-	7.0- 9.0
3	100.2	4	-	98-103	16.8	4	-	15.0- 19.0
4	105.3	4	-	94-111	19.5	4	-	12.0- 22.0
9	122.0	3	-	119-125	31.7	3	-	29.0- 34.0
10	130.0	1	-	-	37.0	1	-	-
13	119.0	1	-	-	26.0	1	-	-
18	130.5	2	-	129-132	41.0	2	-	37.0- 45.0
19	137.0	1	-	-	50.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.6	8	-	71- 80	7.6	8	-	6.0- 10.0
2	86.6	10	2.8	83- 92	11.1	10	1.4	9.0- 13.0
3	97.2	25	4.4	88-107	16.0	25	1.5	13.0- 20.0
4	105.1	42	5.0	92-116	19.5	42	2.4	13.0- 25.0
5	112.3	24	7.0	99-127	23.6	24	3.4	18.5- 33.0
6	112.3	6	-	107-118	23.9	6	-	22.0- 26.0
7	118.2	10	5.3	113-128	27.7	10	2.8	23.0- 31.0
8	119.3	3	-	115-123	28.0	3	-	22.0- 32.0
9	116.7	3	-	112-125	28.3	3	-	24.0- 31.0
10	119.0	3	-	114-128	33.3	3	-	30.0- 37.0
11	123.5	2	-	123-124	34.5	2	-	32.0- 37.0
12	114.7	3	-	112-117	26.7	3	-	23.0- 30.0
13	122.0	2	-	116-128	28.5	2	-	26.0- 31.0
14	122.0	1	-	-	40.0	1	-	-
15	121.3	3	-	115-129	38.3	3	-	32.0- 48.0
16	131.0	1	-	-	41.5	1	-	-
17	122.0	1	-	-	37.0	1	-	-
18	127.0	1	-	-	39.0	1	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.2	6	-	72- 81	8.5	6	-	7.0- 11.0
2	88.0	1	-	-	12.0	1	-	-
3	93.5	2	-	92- 95	16.0	2	-	16.0- 16.0
6	121.0	1	-	-	27.0	1	-	-

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.0	1	-	-	9.0	1	-	-
2	91.0	1	-	-	13.5	1	-	-
3	105.0	1	-	-	20.0	1	-	-
4	108.0	1	-	-	24.0	1	-	-

1964 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	113.0	2	-	111-115	23.5	2	-	23.0- 24.0

1965 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.0	6	-	74- 78	7.2	6	-	6.0- 8.0
2	89.0	2	-	89- 89	12.0	2	-	12.0- 12.0
3	99.6	20	2.6	95-106	15.9	20	2.1	13.0- 22.0
4	109.6	27	4.2	102-118	20.2	27	2.5	15.0- 25.0
5	119.3	4	-	109-125	25.8	4	-	23.0- 29.0
6	117.1	8	-	106-122	25.8	8	-	21.0- 32.0
7	122.0	3	-	116-128	29.3	3	-	28.0- 31.0
9	119.0	1	-	-	28.0	1	-	-
11	123.5	2	-	118-129	30.0	2	-	28.0- 32.0
14	131.0	1	-	-	47.0	1	-	-
15	121.0	1	-	-	30.0	1	-	-
18	126.0	1	-	-	35.0	1	-	-
20	125.0	1	-	-	35.0	1	-	-

1967 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.7	3	-	69- 76	6.8	3	-	6.5- 7.0
2	82.5	2	-	77- 88	10.3	2	-	9.5- 11.0
3	99.5	4	-	98-103	17.0	4	-	15.0- 20.0
4	110.4	5	-	106-121	22.4	5	-	20.0- 26.0
5	114.7	4	-	112-117	27.3	4	-	23.0- 31.0
6	117.2	6	-	107-122	28.3	6	-	23.0- 33.0
7	121.0	2	-	117-125	28.5	2	-	27.0- 30.0
8	120.0	1	-	-	30.0	1	-	-
10	131.0	1	-	-	40.0	1	-	-
12	129.0	1	-	-	38.0	1	-	-
15	132.0	1	-	-	36.0	1	-	-
17	127.0	2	-	126-128	39.5	2	-	39.0- 40.0

1967 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	71.7	3	-	68- 76	7.0	3	-	7.0- 7.0
2	79.0	1	-	-	10.5	1	-	-
3	97.0	6	-	88-104	16.0	6	-	12.0- 19.0
4	112.0	4	-	106-116	25.0	4	-	24.0- 26.0
5	118.0	1	-	-	28.0	1	-	-
6	123.0	2	-	119-127	31.0	2	-	29.0- 33.0
20	133.0	1	-	-	53.0	1	-	-
22	130.0	1	-	-	47.0	1	-	-

1967 - November

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	91.0	1	-	-	13.0	1	-	-

1967 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	92.3	3	-	89- 94	13.0	3	-	12.0- 15.0
2	102.1	7	-	99-106	17.0	7	-	15.0- 20.0
3	111.5	11	4.3	103-118	22.3	11	1.4	20.0- 24.0
4	115.5	2	-	112-119	24.0	2	-	22.0- 26.0
5	123.0	1	-	-	30.0	1	-	-
6	123.4	5	-	117-133	32.4	5	-	28.0- 40.0
7	129.0	1	-	-	32.0	1	-	-
8	131.0	1	-	-	37.0	1	-	-
9	118.0	2	-	118-118	29.5	2	-	29.0- 30.0
10	121.0	1	-	-	30.0	1	-	-
21	135.0	1	-	-	34.0	1	-	-
22	135.0	1	-	-	43.0	1	-	-

1968 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.9	15	3.7	68- 80	7.9	15	1.8	5.0- 11.5
2	86.0	1	-	-	11.0	1	-	-
3	102.5	2	-	101-104	18.0	2	-	14.0- 22.0
4	110.4	15	5.6	96-117	22.7	15	2.4	16.5- 27.0
5	118.0	5	-	111-123	28.2	5	-	27.0- 30.0
6	124.0	1	-	-	30.0	1	-	-
7	123.5	4	-	120-126	30.5	4	-	30.0- 31.0
9	135.0	2	-	130-140	42.5	2	-	37.0- 48.0
10	131.0	1	-	-	41.0	1	-	-

1968 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	32	3.5	69- 82	8.3	32	1.4	5.5- 11.0
2	87.5	2	-	86- 89	10.5	2	-	10.0- 11.0
3	102.8	4	-	99-107	18.9	4	-	17.5- 20.0
4	111.2	18	5.2	100-120	23.3	18	2.2	20.0- 27.0
5	121.7	3	-	114-131	29.3	3	-	26.0- 34.0
6	114.0	1	-	-	28.0	1	-	-
7	124.7	7	-	116-130	32.3	7	-	24.0- 41.0

1968 - February (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	131.0	1	-	-	38.0	1	-	-
9	127.0	2	-	124-130	35.0	2	-	34.0- 36.0
10	129.3	3	-	128-132	34.3	3	-	33.0- 35.0
11	129.0	3	-	128-130	35.8	3	-	27.0- 41.5
12	130.0	2	-	130-130	35.5	2	-	35.0- 36.0
14	130.0	1	-	-	36.0	1	-	-
15	142.0	1	-	-	46.0	1	-	-
17	124.0	1	-	-	43.0	1	-	-

1969 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.9	11	2.2	75- 82	8.2	11	1.4	7.0- 11.5
3	99.2	5	-	94-102	17.5	5	-	15.0- 20.0
4	106.2	10	4.9	98-115	21.0	10	4.0	15.5- 30.0
5	113.6	5	-	111-120	24.6	5	-	22.0- 27.0
6	118.0	4	-	113-123	31.0	4	-	23.0- 38.0
7	120.0	3	-	114-128	32.2	3	-	27.0- 37.0
8	131.0	2	-	120-142	34.3	2	-	28.0- 40.5
10	123.3	3	-	119-127	32.3	3	-	30.0- 35.0
11	130.0	4	-	126-138	39.1	4	-	35.0- 45.0
12	132.0	1	-	-	39.0	1	-	-
13	121.5	4	-	116-131	35.1	4	-	27.0- 45.5
14	134.0	1	-	-	46.0	1	-	-
16	131.0	1	-	-	44.0	1	-	-
17	130.5	2	-	129-132	41.0	2	-	39.0- 43.0
18	129.0	1	-	-	32.0	1	-	-

1969 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.4	20	2.9	69- 80	7.7	20	1.0	6.0- 9.0
2	88.5	6	-	79- 93	11.2	6	-	8.0- 14.0
3	99.7	14	3.3	92-104	17.2	14	2.2	12.5- 20.5
4	107.9	21	3.2	102-113	21.7	21	1.7	19.0- 25.0
5	116.2	10	5.6	105-122	26.2	10	3.2	20.0- 30.0

1969 - March (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	121.8	6	-	115-128	29.2	6	-	24.0- 34.0
7	123.3	7	-	118-128	31.7	7	-	27.0- 35.0
8	121.7	4	-	111-130	29.4	4	-	28.5- 30.0
10	121.0	1	-	-	35.0	1	-	-
11	122.3	3	-	120-124	32.7	3	-	30.0- 34.0
12	127.7	3	-	125-131	36.7	3	-	33.0- 41.0
13	128.0	3	-	122-131	38.0	3	-	37.0- 39.0
14	125.0	1	-	-	32.5	1	-	-
16	130.0	1	-	-	44.0	1	-	-
17	129.0	1	-	-	42.5	1	-	-
19	131.0	1	-	-	40.0	1	-	-

1970 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.3	3	-	65- 78	7.3	3	-	6.0- 10.0
2	93.0	3	-	89- 95	12.7	3	-	11.0- 15.0
3	101.9	14	3.8	93-106	19.1	14	1.9	16.0- 22.0
4	108.8	10	4.0	103-114	22.3	10	3.3	15.0- 27.0
5	115.9	15	4.6	107-124	26.8	15	3.1	22.0- 33.0
6	120.0	9	-	115-124	27.9	9	-	26.0- 30.0
7	120.0	1	-	-	29.0	1	-	-
8	127.0	1	-	-	37.5	1	-	-
9	124.0	1	-	-	35.0	1	-	-
10	128.0	2	-	126-130	38.0	2	-	37.0- 39.0
11	118.0	1	-	-	32.0	1	-	-
12	126.0	2	-	125-127	36.0	2	-	32.0- 40.0
13	124.0	2	-	120-128	32.5	2	-	27.0- 38.0
18	128.7	3	-	125-132	44.3	3	-	43.0- 45.0
19	128.0	1	-	-	40.0	1	-	-
21	136.0	1	-	-	56.0	1	-	-

1970 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.3	3	-	73- 74	8.0	3	-	5.0- 11.0
2	91.0	2	-	88- 94	13.0	2	-	12.0- 14.0
3	99.7	7	-	95-107	18.3	7	-	14.0- 22.0

1970 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	110.3	9	-	102-118	22.1	9	-	19.0- 25.0
5	118.5	2	-	118-119	25.0	2	-	24.0- 26.0
6	117.3	4	-	111-121	26.3	4	-	23.0- 29.0
8	124.0	1	-	-	36.0	1	-	-
9	135.0	1	-	-	38.0	1	-	-
10	125.0	1	-	-	37.0	1	-	-
11	129.0	1	-	-	39.0	1	-	-
12	127.0	1	-	-	37.0	1	-	-
13	123.0	1	-	-	43.0	1	-	-

1970 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.3	3	-	75- 80	8.0	3	-	7.0- 9.0
2	90.1	12	4.1	84- 96	12.5	12	1.4	10.0- 15.0
3	101.4	36	4.8	91-112	17.3	36	2.0	12.0- 20.0
4	110.2	36	3.6	103-119	21.8	36	2.2	17.0- 26.0
5	115.8	6	-	112-121	23.0	5	-	22.0- 26.0
6	123.0	1	-	-	26.0	1	-	-
7	123.5	2	-	121-126	28.5	2	-	26.0- 31.0
8	127.5	2	-	125-130	29.5	2	-	28.0- 31.0
9	123.3	3	-	119-126	32.3	3	-	29.0- 35.0
10	125.5	2	-	125-126	32.0	2	-	31.0- 33.0
11	129.0	1	-	-	37.0	1	-	-
12	131.0	1	-	-	42.0	1	-	-
13	120.5	2	-	120-121	34.0	2	-	34.0- 34.0
18	130.0	1	-	-	40.0	1	-	-
19	126.0	1	-	-	35.0	1	-	-

1970 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	105.0	5	-	104-106	18.2	5	-	17.0- 21.0
4	113.5	11	4.4	104-121	24.7	11	3.4	19.0- 29.0
5	115.0	1	-	-	23.0	1	-	-

1970 - June (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	116.0	1	-	-	27.0	1	-	-
18	124.0	1	-	-	38.0	1	-	-

1971 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.0	2	-	72- 76	6.0	2	-	6.0- 6.0
2	89.0	1	-	-	13.0	1	-	-
3	97.8	6	-	92-105	14.8	6	-	13.0- 18.0
4	110.0	15	7.4	97-128	21.9	15	3.2	16.0- 27.0
5	112.0	5	-	107-118	23.4	5	-	21.0- 26.0
6	116.5	2	-	111-122	22.5	2	-	22.0- 23.0
8	127.0	1	-	-	37.0	1	-	-
9	125.0	3	-	119-129	32.0	3	-	26.0- 39.0
10	129.0	3	-	123-135	37.3	3	-	35.0- 42.0
11	131.0	1	-	-	42.0	1	-	-
12	131.5	2	-	127-136	39.5	2	-	39.0- 40.0
16	119.0	1	-	-	36.0	1	-	-

1971 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	8	-	69- 82	8.1	8	-	6.0- 11.0
2	92.5	4	-	80- 98	14.3	4	-	11.0- 16.0
3	99.6	16	3.0	93-104	17.3	16	1.6	14.0- 20.0
4	109.1	14	3.9	103-115	21.9	14	2.6	17.0- 26.0
5	113.4	7	-	109-116	25.4	7	-	21.0- 28.0
6	116.0	4	-	111-120	26.5	4	-	24.0- 30.0
7	124.0	2	-	119-129	29.0	2	-	26.0- 32.0
8	129.0	1	-	-	35.0	1	-	-
9	122.5	2	-	121-124	32.0	2	-	31.0- 33.0
12	129.0	1	-	-	40.0	1	-	-
14	121.0	1	-	-	30.0	1	-	-
15	129.0	2	-	128-130	38.5	2	-	37.0- 40.0
17	129.0	2	-	128-130	38.5	2	-	38.0- 39.0

1971 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.5	11	2.2	74- 81	10.6	11	1.2	8.0- 12.0
2	92.2	9	-	87- 98	13.1	9	-	10.0- 16.0
3	101.2	17	3.5	95-109	18.7	17	1.6	16.0- 21.0
4	109.3	27	4.3	100-120	22.8	27	2.4	17.0- 27.0
5	110.0	6	-	101-114	25.0	6	-	19.0- 34.0
6	117.5	2	-	116-119	26.5	2	-	26.0- 27.0
7	131.0	1	-	-	33.5	1	-	-
8	122.0	1	-	-	35.0	1	-	-
10	130.0	1	-	-	37.0	1	-	-
11	134.0	1	-	-	40.0	1	-	-

1972 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.4	5	-	70- 83	8.0	5	-	6.0- 10.0
3	96.8	4	-	92-105	15.5	4	-	14.0- 16.0
4	107.5	4	-	101-116	20.8	4	-	16.0- 24.0
5	114.4	10	3.3	110-121	24.0	10	3.4	21.0- 31.0
6	123.0	1	-	-	25.0	1	-	-
7	115.0	1	-	-	27.0	1	-	-
8	136.0	1	-	-	35.0	1	-	-
9	116.5	2	-	113-120	28.0	2	-	27.0- 29.0
10	120.5	2	-	120-121	32.0	1	-	-
11	132.0	1	-	-	39.0	1	-	-
12	128.0	1	-	-	38.0	1	-	-
14	127.0	1	-	-	36.0	1	-	-

1972 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.0	1	-	-	5.5	1	-	-
2	89.0	2	-	85- 93	13.5	2	-	13.0- 14.0
3	102.7	3	-	94-108	18.0	3	-	15.0- 20.0
4	109.1	7	-	99-116	20.4	7	-	18.0- 25.0
5	115.8	6	-	110-119	23.7	6	-	23.0- 25.0
6	115.0	6	-	111-120	24.2	6	-	21.0- 27.0

1972 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	117.3	4	-	114-120	25.8	4	-	21.0- 29.0
8	130.0	2	-	126-134	33.5	2	-	32.0- 35.0
9	125.0	2	-	121-129	31.5	2	-	28.0- 35.0
15	131.0	2	-	125-137	40.0	2	-	37.0- 43.0
16	135.0	1	-	-	48.0	1	-	-
17	133.0	1	-	-	44.0	1	-	-

1972 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.0	2	-	74- 80	8.5	2	-	8.0- 9.0
2	93.4	9	-	91- 97	12.9	9	-	12.0- 14.0
3	101.8	8	-	99-104	16.6	8	-	14.0- 18.0
4	108.3	6	-	98-119	19.7	6	-	19.0- 20.0
5	115.3	15	4.4	106-123	24.4	15	2.3	20.0- 28.0
6	120.5	6	-	115-124	26.0	6	-	23.0- 29.0
7	127.0	4	-	126-129	31.8	4	-	30.0- 33.0
8	129.0	1	-	-	32.0	1	-	-
9	120.0	1	-	-	26.0	1	-	-
10	117.0	1	-	-	23.0	1	-	-
19	133.0	1	-	-	36.0	1	-	-

Table 7.2.4
Monthly mean length and weight of nonpregnant female fur seals collected by the United States off British Columbia.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1960 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	112.0	1	-	-	22.0	1	-	-

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	95.0	1	-	-	17.0	1	-	-
3	102.0	1	-	-	18.0	1	-	-

1961 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	71.9	10	4.3	66- 79	7.9	10	1.4	6.0- 10.0
3	97.0	1	-	-	21.0	1	-	-
4	102.0	1	-	-	21.0	1	-	-

1961 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	78.0	2	-	78- 78	9.5	2	-	9.0- 10.0
4	107.0	1	-	-	27.0	1	-	-
8	117.0	1	-	-	30.0	1	-	-
16	132.0	1	-	-	45.0	1	-	-
18	121.7	3	-	115-130	36.0	3	-	28.0- 42.0
24	132.0	1	-	-	43.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.0	5	-	66- 78	7.9	5	-	7.0- 9.0
16	124.0	1	-	-	41.0	1	-	-

Table 7.2.5
Monthly mean length and weight of nonpregnant female fur seals collected by the United States in the Gulf of Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	69.9	10	3.3	64- 76	8.5	10	0.8	7.5- 9.5
4	104.0	1	-	-	22.0	1	-	-
12	127.0	2	-	124-130	42.8	2	-	37.0- 48.5
13	119.0	1	-	-	40.0	1	-	-
14	125.5	2	-	123-128	44.5	2	-	39.5- 49.5
15	129.0	1	-	-	35.0	1	-	-
16	120.5	2	-	113-128	39.5	2	-	37.5- 41.5
17	122.0	3	-	117-129	40.2	3	-	38.0- 42.5
18	125.0	2	-	117-133	47.5	2	-	45.0- 50.0

1958 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
11	127.0	1	-	-	35.5	1	-	-
12	132.0	1	-	-	48.0	1	-	-
13	127.4	5	-	116-136	38.5	5	-	31.0- 47.5
14	131.0	4	-	129-134	44.0	4	-	42.5- 48.0
15	129.7	3	-	127-132	44.0	3	-	36.0- 50.5
16	129.7	3	-	124-140	46.5	3	-	42.5- 53.0
17	129.5	4	-	117-136	46.8	4	-	36.0- 58.5
18	129.7	3	-	121-135	38.8	3	-	33.5- 45.5
19	124.5	6	-	117-130	43.3	6	-	37.0- 55.0
20	129.0	1	-	-	47.5	1	-	-
22	127.0	1	-	-	43.0	1	-	-

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.3	3	-	71- 74	7.3	3	-	6.5- 8.5
3	91.5	2	-	91- 92	14.5	2	-	13.0- 16.0
4	101.0	2	-	99-103	19.5	2	-	17.0- 22.0
9	135.0	1	-	-	42.0	1	-	-
14	126.0	1	-	-	35.0	1	-	-

1958 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	81.0	1	-	-	10.5	1	-	-
2	86.0	1	-	-	15.0	1	-	-
3	98.6	5	-	93-108	17.8	5	-	10.0- 25.0
4	111.1	9	-	105-116	23.7	9	-	19.5- 26.5
5	115.9	14	4.1	111-123	26.7	14	4.2	22.0- 38.5
6	116.0	7	-	105-129	28.9	7	-	23.0- 33.5
7	121.7	3	-	116-126	34.2	3	-	32.5- 37.0
8	121.0	6	-	115-126	32.5	6	-	30.0- 34.0
10	124.7	3	-	120-132	37.5	3	-	30.0- 42.5
11	135.0	4	-	125-141	40.3	4	-	35.0- 43.0
12	128.0	7	-	121-132	37.0	7	-	31.5- 42.0
13	127.8	6	-	119-137	38.0	6	-	35.0- 40.0
14	131.3	4	-	126-141	44.0	4	-	37.5- 54.0
15	128.3	3	-	126-130	39.8	3	-	37.5- 43.0
16	133.0	4	-	130-134	40.4	4	-	35.5- 49.0
17	131.8	5	-	131-134	41.7	5	-	36.5- 45.0
20	132.0	1	-	-	43.0	1	-	-

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	117.0	1	-	-	24.5	1	-	-
10	120.0	1	-	-	33.0	1	-	-
12	124.0	2	-	121-127	36.3	2	-	35.5- 37.0
13	139.0	1	-	-	50.5	1	-	-

1958 - June (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
14	130.0	1	-	-	44.0	1	-	-
15	126.5	2	-	124-129	37.8	2	-	37.5- 38.0
19	135.0	1	-	-	44.5	1	-	-

1960 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.0	11	2.6	69- 77	10.1	11	1.7	7.0- 12.0
2	92.0	1	-	-	15.0	1	-	-
4	103.0	1	-	-	20.0	1	-	-
7	118.0	1	-	-	30.0	1	-	-
10	118.0	1	-	-	30.0	1	-	-
11	127.0	1	-	-	52.0	1	-	-
12	136.0	1	-	-	46.0	1	-	-
13	127.5	2	-	126-129	45.5	2	-	45.0- 46.0
14	126.7	3	-	122-130	45.3	3	-	40.0- 49.0
15	140.0	1	-	-	51.0	1	-	-
16	132.7	4	-	127-141	46.3	4	-	45.0- 47.0
17	130.2	5	-	123-144	45.6	5	-	37.0- 59.0
18	127.0	1	-	-	45.0	1	-	-
19	132.0	1	-	-	41.0	1	-	-
20	127.0	1	-	-	47.0	1	-	-
21	123.0	1	-	-	41.0	1	-	-

1960 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.0	1	-	-	8.0	1	-	-
3	99.0	4	-	97-101	21.3	4	-	20.0- 24.0
4	111.0	2	-	109-113	25.5	2	-	25.0- 26.0
5	109.5	2	-	109-110	26.5	2	-	23.0- 30.0
6	115.0	3	-	110-118	28.0	3	-	25.0- 30.0

1960 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	121.0	2	-	112-130	40.0	2	-	30.0- 50.0
8	122.0	2	-	119-125	34.0	2	-	33.0- 35.0
9	120.0	2	-	118-122	33.0	2	-	32.0- 34.0
10	123.0	3	-	119-129	35.0	3	-	33.0- 36.0
11	128.6	5	-	123-137	43.0	5	-	40.0- 50.0
12	128.0	2	-	115-141	42.5	2	-	36.0- 49.0
13	122.0	2	-	115-129	35.5	2	-	31.0- 40.0
14	127.6	5	-	123-132	41.6	5	-	34.0- 50.0
15	131.7	3	-	129-136	40.0	3	-	40.0- 40.0
17	131.3	3	-	126-137	43.7	3	-	40.0- 46.0
19	132.0	1	-	-	40.0	1	-	-
21	129.0	1	-	-	51.0	1	-	-

1960 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.0	1	-	-	10.0	1	-	-
2	89.0	1	-	-	13.0	1	-	-
3	96.3	3	-	94- 98	17.0	3	-	15.0- 18.0
4	109.9	15	4.9	103-124	24.2	15	2.2	21.0- 29.0
5	114.3	9	-	108-123	29.8	9	-	25.0- 37.0
6	123.0	1	-	-	36.0	1	-	-
7	121.2	6	-	115-126	32.3	6	-	27.0- 41.0
8	125.8	10	6.0	118-136	35.8	10	4.8	29.0- 45.0
9	127.4	5	-	117-134	40.4	5	-	35.0- 50.0
10	130.7	4	-	127-135	40.3	4	-	38.0- 43.0
11	130.5	4	-	127-134	42.3	4	-	38.0- 45.0
12	129.0	5	-	124-132	37.5	5	-	33.0- 41.0
13	126.2	6	-	121-132	35.9	6	-	30.0- 41.0
14	128.1	7	-	122-135	36.9	7	-	27.0- 42.5
15	129.0	5	-	120-135	40.0	5	-	36.0- 42.0
16	131.3	4	-	122-142	43.8	4	-	37.0- 56.0
17	118.5	2	-	116-121	34.5	2	-	29.0- 40.0
18	143.0	1	-	-	48.0	1	-	-
19	128.5	6	-	117-135	40.8	6	-	28.0- 47.0
20	130.0	3	-	129-131	41.7	3	-	36.0- 47.0
21	134.0	1	-	-	39.5	1	-	-
24	133.0	1	-	-	45.0	1	-	-

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
10	117.0	1	-	-	42.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.0	1	-	-	8.0	1	-	-

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	99.0	1	-	-	18.0	1	-	-
3	103.0	3	-	99-110	17.7	3	-	16.0- 21.0
4	110.4	5	-	102-114	22.1	5	-	19.5- 23.0
5	110.7	3	-	105-117	24.0	3	-	21.0- 28.0
6	99.0	1	-	-	30.0	1	-	-
9	127.0	1	-	-	32.5	1	-	-
11	127.0	1	-	-	36.0	1	-	-
13	135.0	1	-	-	41.0	1	-	-
14	135.0	1	-	-	38.5	1	-	-
16	132.0	1	-	-	40.0	1	-	-
20	134.0	1	-	-	40.0	1	-	-
22	132.0	1	-	-	43.5	1	-	-

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	116.0	1	-	-	23.0	1	-	-
5	117.0	1	-	-	27.0	1	-	-
8	123.0	1	-	-	33.0	1	-	-
12	129.0	1	-	-	44.0	1	-	-

1968 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	111.0	1	-	-	22.0	1	-	-

Table 7.2.6
Monthly mean length and weight of nonpregnant female fur seals collected by the United States off Western Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	102.7	3	-	93-110	20.8	3	-	19.0- 24.5
4	101.5	4	-	98-107	21.5	4	-	18.0- 25.0
5	118.0	1	-	-	29.5	1	-	-
6	121.3	3	-	118-125	33.0	3	-	30.0- 39.0
7	126.5	2	-	126-127	35.0	2	-	35.0- 35.0
9	121.0	1	-	-	34.5	1	-	-
10	120.0	2	-	119-121	35.0	2	-	35.0- 35.0
12	129.0	3	-	122-135	44.5	3	-	35.0- 58.5
18	134.0	1	-	-	54.0	1	-	-

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	97.0	1	-	-	28.0	1	-	-
4	107.0	1	-	-	20.5	1	-	-
6	117.0	1	-	-	26.0	1	-	-
7	116.0	1	-	-	30.0	1	-	-
8	121.0	1	-	-	35.0	1	-	-
11	128.0	1	-	-	39.0	1	-	-
12	129.0	1	-	-	42.0	1	-	-
15	135.0	1	-	-	35.0	1	-	-
16	121.5	2	-	121-122	35.0	2	-	35.0- 35.0
17	128.7	3	-	124-133	42.0	3	-	40.0- 45.0
18	126.0	1	-	-	45.0	1	-	-

1962 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	106.0	2	-	103-109	20.5	2	-	20.0- 21.0
7	122.0	1	-	-	30.0	1	-	-
8	126.0	1	-	-	34.0	1	-	-
9	118.0	1	-	-	31.0	1	-	-
12	134.0	1	-	-	38.0	1	-	-
14	119.0	1	-	-	26.0	1	-	-

1962 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	103.1	12	3.7	98-108	19.2	12	1.5	16.5- 21.0
4	107.2	22	4.8	95-115	21.8	22	2.7	16.0- 26.0
5	109.2	17	5.4	99-115	24.4	17	3.2	18.0- 30.0
6	113.6	5	-	111-117	28.1	5	-	27.0- 29.0
7	117.7	3	-	113-122	31.7	3	-	30.0- 33.0
8	125.7	3	-	116-132	36.3	3	-	31.0- 39.0
9	123.4	5	-	117-134	35.1	5	-	33.0- 37.0
10	120.0	3	-	118-122	34.3	3	-	31.0- 37.0
11	132.0	1	-	-	40.0	1	-	-
12	128.0	1	-	-	33.0	1	-	-
16	131.0	1	-	-	43.0	1	-	-
18	121.0	1	-	-	36.0	1	-	-

1962 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	100.0	1	-	-	18.5	1	-	-
4	113.4	7	-	110-119	25.5	7	-	22.0- 29.0
5	104.0	1	-	-	22.5	1	-	-
6	109.0	1	-	-	27.0	1	-	-
7	114.0	1	-	-	29.5	1	-	-
14	126.0	1	-	-	46.5	1	-	-

1962 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	85.0	1	-	-	11.0	1	-	-
2	100.5	13	4.0	93-106	18.2	13	2.1	15.0- 21.0
3	104.5	26	5.7	91-115	21.5	26	2.8	15.0- 27.0
4	113.0	17	4.2	105-120	27.9	17	3.8	23.0- 38.0
5	115.3	6	-	110-121	30.5	6	-	25.0- 36.0
6	121.0	1	-	-	31.0	1	-	-
7	121.5	2	-	118-125	31.5	2	-	28.0- 35.0
11	130.0	1	-	-	38.0	1	-	-
12	129.0	2	-	127-131	38.8	2	-	36.5- 41.0
15	125.0	1	-	-	38.0	1	-	-

1962 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	97.8	6	-	96-100	17.1	6	-	16.0- 18.0
3	107.0	5	-	103-109	20.0	5	-	18.0- 22.0
4	113.0	6	-	107-119	26.3	6	-	21.0- 37.0
5	119.5	2	-	118-121	27.5	2	-	27.0- 28.0
12	131.0	1	-	-	38.0	1	-	-
17	134.0	1	-	-	38.0	1	-	-
18	130.0	1	-	-	38.0	1	-	-
20	133.0	1	-	-	43.0	1	-	-

1962 - October

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	107.0	1	-	-	19.0	1	-	-
4	115.3	3	-	113-119	26.5	3	-	24.5- 28.0

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	113.8	5	-	104-123	25.8	5	-	20.0- 34.0
5	111.0	1	-	-	31.0	1	-	-
8	124.0	2	-	121-127	33.0	2	-	32.0- 34.0
15	138.0	1	-	-	49.0	1	-	-
18	133.0	1	-	-	44.0	1	-	-
19	121.0	1	-	-	41.5	1	-	-

1968 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	95.0	1	-	-	15.0	1	-	-
3	102.2	4	-	95-108	20.4	4	-	18.0- 22.0
4	115.8	4	-	111-120	27.0	4	-	25.0- 30.0
5	116.0	1	-	-	29.5	1	-	-
6	127.0	1	-	-	33.0	1	-	-
17	121.0	1	-	-	38.5	1	-	-

Table 7.2.7
Monthly mean length and weight of nonpregnant female fur seals collected by the United States in the Eastern Bering Sea.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	120.0	1	-	-	32.0	1	-	-

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	103.0	1	-	-	20.0	1	-	-
4	108.7	3	-	104-112	24.7	3	-	21.0- 27.0
6	122.0	1	-	-	31.0	1	-	-
7	121.0	1	-	-	31.0	1	-	-
11	125.0	1	-	-	35.0	1	-	-
14	122.0	1	-	-	33.0	1	-	-
15	127.0	1	-	-	37.0	1	-	-
16	139.0	1	-	-	46.0	1	-	-
18	128.0	1	-	-	36.0	1	-	-
20	127.0	1	-	-	33.0	1	-	-

1960 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.0	1	-	-	8.0	1	-	-
3	104.2	5	-	96-110	19.6	5	-	17.0- 24.0
4	109.1	8	-	103-114	23.1	8	-	18.0- 28.0
5	114.3	13	4.1	107-121	25.4	13	2.3	23.0- 30.0
6	116.5	2	-	115-118	29.5	2	-	27.0- 32.0
7	123.0	2	-	122-124	30.0	2	-	28.0- 32.0
8	121.0	1	-	-	30.5	1	-	-
9	123.2	4	-	118-131	34.5	4	-	29.0- 42.0
10	122.0	2	-	121-123	29.8	2	-	22.0- 37.5
12	117.0	1	-	-	30.0	1	-	-
13	127.2	5	-	116-137	34.4	5	-	29.0- 42.0

1960 - July (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
14	132.6	5	-	125-138	42.2	5	-	34.0- 50.0
16	127.0	3	-	120-132	39.8	3	-	36.0- 47.0
17	126.5	2	-	125-128	32.5	2	-	31.0- 34.0
20	136.0	1	-	-	45.0	1	-	-
23	133.0	1	-	-	38.5	1	-	-

1960 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	105.0	1	-	-	21.0	1	-	-
3	103.3	3	-	94-111	15.0	3	-	13.0- 19.0
4	105.8	5	-	101-114	21.7	5	-	15.5- 30.0
5	115.5	4	-	111-119	27.5	4	-	25.0- 30.0
6	133.0	1	-	-	42.0	1	-	-
8	127.0	1	-	-	33.0	1	-	-

1962 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	101.0	1	-	-	17.0	1	-	-
4	104.7	3	-	101-110	19.2	3	-	17.0- 21.5
5	116.2	4	-	111-125	28.5	4	-	24.0- 34.0
6	116.0	2	-	115-117	29.0	2	-	28.0- 30.0
10	126.0	1	-	-	35.0	1	-	-
11	130.0	1	-	-	35.0	1	-	-
14	119.0	1	-	-	30.5	1	-	-
17	130.5	2	-	129-132	43.5	2	-	42.0- 45.0

1962 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	106.0	7	-	100-111	20.4	7	-	16.0- 25.0
4	112.1	18	4.2	104-121	25.2	18	2.7	20.0- 30.0
5	114.6	16	5.8	107-127	28.5	16	4.9	22.0- 40.5
6	117.0	15	5.4	108-126	29.0	15	2.7	26.0- 35.0
7	119.5	4	-	112-129	30.6	4	-	27.0- 35.0
8	120.0	3	-	119-121	33.0	3	-	29.0- 37.0
9	120.5	2	-	116-125	33.5	2	-	31.0- 36.0
10	127.0	1	-	-	33.0	1	-	-
11	126.0	1	-	-	39.5	1	-	-
12	130.0	1	-	-	40.0	1	-	-
13	125.0	1	-	-	34.0	1	-	-
14	124.0	1	-	-	36.0	1	-	-
15	128.7	3	-	127-132	44.8	3	-	43.5- 46.0
16	129.3	3	-	128-131	41.7	3	-	41.0- 43.0
17	129.4	5	-	124-138	43.0	5	-	35.0- 55.0
19	125.5	2	-	122-129	37.0	2	-	30.0- 44.0
22	124.0	1	-	-	40.0	1	-	-

1962 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	96.7	7	-	92-104	16.3	7	-	13.0- 18.0
3	105.2	21	4.4	98-113	20.6	21	3.1	14.0- 27.0
4	111.0	39	4.6	100-121	25.7	39	4.5	17.0- 36.0
5	114.4	29	4.5	104-124	28.6	29	2.8	20.0- 33.0
6	120.6	7	-	114-125	34.1	7	-	27.5- 39.0
7	119.0	3	-	119-119	32.0	3	-	27.0- 36.0
9	123.0	2	-	117-129	32.0	2	-	30.0- 34.0
10	124.0	3	-	120-127	34.0	3	-	30.0- 40.0
11	123.2	5	-	113-129	34.8	5	-	28.0- 39.0
12	127.0	4	-	120-133	34.8	4	-	26.0- 44.0
14	130.0	2	-	124-136	43.0	2	-	40.0- 46.0
15	124.5	4	-	112-133	33.8	4	-	29.0- 39.0
16	130.7	3	-	124-136	40.0	3	-	30.0- 45.0
17	123.0	3	-	121-126	42.3	3	-	35.0- 53.0
18	127.5	4	-	118-134	41.6	4	-	34.0- 51.0
19	129.3	3	-	120-135	43.3	3	-	35.0- 50.0
20	132.0	1	-	-	45.0	1	-	-
24	120.0	1	-	-	38.0	1	-	-

1962 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	91.0	1	-	-	13.0	1	-	-
2	102.2	6	-	96-106	18.8	6	-	16.0- 21.5
3	107.8	15	3.2	103-114	21.7	15	1.6	19.0- 24.0
4	114.2	16	3.8	108-123	25.0	16	2.5	21.0- 29.0
5	118.8	11	4.8	109-126	28.7	11	3.8	22.5- 35.0
6	119.0	2	-	116-122	28.0	2	-	27.0- 29.0
8	123.0	2	-	119-127	31.5	2	-	29.0- 34.0
9	125.0	1	-	-	32.0	1	-	-
10	124.5	2	-	124-125	35.5	2	-	34.0- 37.0
13	119.0	1	-	-	35.5	1	-	-
14	124.0	1	-	-	36.0	1	-	-
15	120.5	2	-	120-121	33.0	2	-	33.0- 33.0
16	131.0	1	-	-	37.0	1	-	-
17	131.0	1	-	-	40.0	1	-	-
18	133.0	1	-	-	44.0	1	-	-
20	131.0	1	-	-	43.0	1	-	-

1962 - October

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	90.0	1	-	-	12.5	1	-	-
2	95.5	2	-	94- 97	16.5	2	-	16.0- 17.0
3	112.0	3	-	105-117	23.3	3	-	19.0- 26.0
4	111.2	4	-	108-113	23.8	4	-	22.0- 27.0
5	120.2	5	-	117-124	30.4	5	-	25.0- 34.5
8	129.0	1	-	-	36.5	1	-	-
10	123.0	1	-	-	33.0	1	-	-
11	128.0	1	-	-	37.5	1	-	-
13	123.0	1	-	-	37.5	1	-	-
14	122.0	1	-	-	35.0	1	-	-
16	128.0	1	-	-	40.0	1	-	-
19	134.0	1	-	-	48.0	1	-	-

1963 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.0	1	-	-	9.0	1	-	-
2	97.0	3	-	85-107	16.7	3	-	11.0- 23.0
3	107.0	7	-	104-111	22.7	7	-	19.0- 24.0
4	111.5	31	4.2	102-118	26.0	31	3.0	21.0- 32.0
5	118.3	26	5.2	108-126	31.3	26	3.2	27.0- 37.0
6	119.0	8	-	109-127	30.5	8	-	28.0- 35.0
7	124.0	2	-	120-128	37.0	2	-	33.0- 41.0
9	123.3	3	-	118-129	35.0	3	-	34.0- 36.0
10	115.0	1	-	-	37.0	1	-	-
12	120.0	1	-	-	32.0	1	-	-
13	123.0	4	-	121-126	37.0	4	-	35.0- 40.0
14	125.7	3	-	120-130	41.7	3	-	37.0- 48.0
15	126.0	1	-	-	43.0	1	-	-
16	129.0	1	-	-	49.0	1	-	-
17	126.0	1	-	-	39.0	1	-	-
18	130.0	1	-	-	44.0	1	-	-
20	124.0	2	-	117-131	36.0	2	-	35.0- 37.0
21	132.0	1	-	-	40.0	1	-	-
23	131.0	1	-	-	43.0	1	-	-

1963 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	99.1	17	4.9	91-109	18.9	17	2.4	14.0- 25.0
3	105.1	44	3.9	97-111	22.2	44	2.8	16.0- 30.0
4	112.5	73	5.0	98-123	27.3	73	3.8	18.0- 38.0
5	117.0	63	4.8	106-130	29.8	63	5.1	22.0- 50.0
6	118.3	15	4.3	112-126	31.7	15	4.7	23.0- 39.0
7	126.6	7	-	119-133	36.6	7	-	30.0- 41.0
8	129.0	2	-	129-129	40.5	2	-	36.0- 45.0
9	125.2	6	-	117-138	34.7	6	-	23.0- 45.0
10	126.0	4	-	122-129	35.8	4	-	32.0- 40.0
11	127.0	5	-	122-134	39.2	5	-	32.0- 45.0
12	127.5	6	-	118-133	41.0	6	-	33.0- 52.0
13	127.5	2	-	125-130	47.0	2	-	41.0- 53.0
14	125.4	8	-	122-129	38.1	8	-	31.0- 44.0
15	125.1	10	7.0	112-132	40.4	10	4.6	34.0- 49.0
16	126.4	7	-	121-131	38.6	7	-	31.0- 43.0
17	129.0	7	-	123-137	41.9	7	-	35.0- 49.0
18	124.8	4	-	121-127	40.5	4	-	34.0- 47.0

1963 - August (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
19	127.0	2	-	126-128	41.0	2	-	38.0- 44.0
20	125.0	4	-	118-130	38.3	4	-	35.0- 40.0
21	136.0	1	-	-	42.0	1	-	-
23	117.0	1	-	-	40.0	1	-	-

1963 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	89.0	1	-	-	15.0	1	-	-
3	104.0	2	-	102-106	18.0	2	-	18.0- 18.0
4	106.0	1	-	-	19.0	1	-	-
5	115.0	2	-	111-119	27.0	2	-	26.0- 28.0

1964 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	108.2	18	3.5	104-116	20.9	18	1.8	18.0- 24.5
4	113.6	13	3.7	108-121	24.4	13	2.5	21.0- 28.0
5	115.8	14	5.0	106-122	26.6	14	3.1	22.0- 32.5
6	119.5	4	-	115-123	29.1	4	-	27.0- 31.0
7	121.7	3	-	116-127	30.8	3	-	29.0- 34.0
8	125.0	2	-	122-128	35.5	2	-	35.0- 36.0
9	127.0	1	-	-	36.0	1	-	-
10	123.3	3	-	121-127	30.8	3	-	29.0- 34.0
11	129.0	1	-	-	44.0	1	-	-
12	131.0	1	-	-	37.0	1	-	-
13	127.5	2	-	126-129	42.0	2	-	41.0- 43.0
14	133.7	3	-	133-135	41.7	3	-	38.0- 44.0
15	121.0	3	-	119-122	37.0	3	-	35.0- 39.0
16	132.0	1	-	-	43.5	1	-	-
17	134.0	1	-	-	44.0	1	-	-
18	129.7	3	-	126-137	40.3	3	-	37.0- 45.0
19	133.0	1	-	-	41.5	1	-	-
20	133.0	1	-	-	45.0	1	-	-

1964 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	100.5	2	-	99-102	16.0	2	-	15.0- 17.0
3	105.7	20	5.8	96-116	21.3	20	3.2	17.0- 27.0
4	112.4	18	4.7	107-124	24.8	18	3.7	19.0- 30.0
5	115.6	16	5.3	106-128	27.4	16	4.3	22.0- 36.0
6	121.3	7	-	114-125	29.9	7	-	25.5- 33.0
7	124.6	5	-	121-129	34.5	5	-	30.5- 42.0
8	125.7	3	-	123-129	35.0	3	-	32.0- 41.0
9	123.3	3	-	120-126	32.0	3	-	28.0- 37.0
10	124.0	1	-	-	31.0	1	-	-
11	124.0	1	-	-	38.0	1	-	-
12	130.0	1	-	-	38.0	1	-	-
13	129.0	2	-	129-129	38.0	2	-	36.0- 40.0
14	127.0	1	-	-	34.0	1	-	-
15	129.3	3	-	127-131	43.8	3	-	37.5- 51.0
16	130.0	2	-	129-131	38.0	2	-	34.0- 42.0
18	140.0	1	-	-	47.0	1	-	-
20	135.0	2	-	134-136	40.5	2	-	39.0- 42.0

1964 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
0	74.0	1	-	-	7.5	1	-	-
2	99.4	5	-	96-103	17.6	5	-	16.0- 21.0
3	107.0	2	-	104-110	22.0	2	-	22.0- 22.0
5	117.0	2	-	117-117	27.0	2	-	26.0- 28.0
10	127.0	1	-	-	39.0	1	-	-
11	118.0	1	-	-	29.0	1	-	-
12	128.0	1	-	-	42.0	1	-	-
13	123.0	1	-	-	38.0	1	-	-
14	130.5	2	-	127-134	40.0	2	-	38.0- 42.0
15	132.0	2	-	131-133	44.0	2	-	41.0- 47.0
16	133.0	1	-	-	38.0	1	-	-
17	130.5	2	-	130-131	40.5	2	-	40.0- 41.0
20	130.0	1	-	-	41.0	1	-	-

1968 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	108.2	5	-	98-115	21.5	5	-	20.5- 22.5
4	113.1	14	6.1	102-123	26.6	14	3.8	19.5- 32.5
5	118.4	5	-	113-122	29.2	5	-	24.5- 31.0
6	125.2	4	-	116-134	35.0	4	-	30.0- 37.5
7	122.3	3	-	119-127	31.8	3	-	30.0- 33.5
8	123.5	2	-	119-128	37.3	2	-	36.0- 38.5
9	127.0	1	-	-	31.0	1	-	-
10	125.7	3	-	122-132	33.8	3	-	30.5- 36.5
12	124.0	1	-	-	32.0	1	-	-
13	129.0	2	-	128-130	41.8	2	-	41.5- 42.0
14	124.5	2	-	124-125	39.3	2	-	38.5- 40.0
15	134.0	1	-	-	34.5	1	-	-
18	120.0	1	-	-	30.0	1	-	-
19	129.0	2	-	127-131	44.8	2	-	42.0- 47.5
21	126.5	2	-	123-130	41.8	2	-	39.0- 44.5
22	127.0	1	-	-	49.5	1	-	-

1968 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	109.1	9	-	100-116	23.1	9	-	20.0- 26.5
4	112.3	17	3.3	106-118	25.9	17	2.5	21.0- 30.0
5	119.0	2	-	117-121	29.3	2	-	28.5- 30.0
6	122.0	2	-	116-128	32.0	2	-	28.0- 36.0
8	125.0	1	-	-	32.0	1	-	-
13	128.0	1	-	-	37.0	1	-	-
14	126.0	1	-	-	41.0	1	-	-
15	124.0	1	-	-	41.0	1	-	-
17	137.5	2	-	136-139	47.8	2	-	45.5- 50.0
18	127.0	1	-	-	32.0	1	-	-
19	127.0	1	-	-	38.0	1	-	-
20	124.0	1	-	-	36.5	1	-	-

1973 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	112.0	1	-	-	26.0	1	-	-
4	112.3	3	-	109-115	26.3	3	-	24.0- 30.0
5	106.0	1	-	-	26.0	1	-	-
6	122.6	5	-	117-128	32.4	5	-	32.0- 33.0
7	125.0	4	-	118-130	33.8	4	-	29.0- 38.0
8	128.0	1	-	-	35.0	1	-	-
9	120.2	4	-	115-124	34.0	4	-	29.0- 39.0
10	124.0	1	-	-	33.0	1	-	-
12	126.5	2	-	120-133	39.5	2	-	34.0- 45.0
13	123.0	1	-	-	34.0	1	-	-

1973 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	97.5	4	-	91-104	17.3	4	-	15.0- 20.0
3	107.4	14	5.8	97-117	22.6	14	3.6	17.0- 28.0
4	113.6	14	5.5	101-122	26.4	14	4.9	19.0- 34.0
5	112.6	5	-	103-123	24.2	5	-	21.0- 27.0
6	120.6	5	-	118-124	30.4	5	-	28.0- 32.0
7	122.3	3	-	118-129	32.7	3	-	32.0- 34.0
8	123.0	1	-	-	34.0	1	-	-
9	116.0	1	-	-	31.0	1	-	-
10	120.5	2	-	114-127	30.5	2	-	25.0- 36.0
11	120.0	1	-	-	32.0	1	-	-
13	125.0	1	-	-	30.0	1	-	-
18	129.6	5	-	121-135	45.8	5	-	41.0- 58.0

1973 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	101.0	6	-	98-106	19.3	6	-	17.0- 22.0
3	106.6	21	4.6	96-115	21.4	21	3.5	15.0- 27.0
4	113.1	16	4.8	107-125	25.8	16	3.3	20.0- 33.0
5	114.5	11	5.8	105-123	27.5	11	3.4	21.0- 32.0
6	120.7	3	-	118-123	34.0	3	-	30.0- 37.0
7	117.0	2	-	116-118	24.5	2	-	24.0- 25.0

1973 - September (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
9	130.0	1	-	-	32.0	1	-	-
10	128.0	1	-	-	46.0	1	-	-
12	131.0	1	-	-	41.0	1	-	-
16	127.0	1	-	-	43.0	1	-	-
20	130.5	2	-	129-132	44.5	2	-	41.0- 48.0

1974 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	113.2	5	-	109-118	27.2	5	-	23.0- 31.0
5	109.0	1	-	-	28.0	1	-	-
7	128.0	1	-	-	33.0	1	-	-
8	127.0	1	-	-	40.0	1	-	-
9	131.0	1	-	-	38.0	1	-	-
10	129.5	2	-	129-130	38.0	2	-	38.0- 38.0
13	134.0	1	-	-	43.0	1	-	-
16	125.5	2	-	121-130	38.0	2	-	36.0- 40.0
19	133.0	1	-	-	47.0	1	-	-
23	134.0	1	-	-	54.0	1	-	-

1974 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	102.0	5	-	99-105	19.4	5	-	17.0- 21.0
3	107.4	9	-	104-113	23.3	9	-	19.0- 27.0
4	116.4	13	4.5	109-125	28.2	13	4.6	19.5- 35.0
5	115.5	10	6.1	107-125	28.3	9	-	25.0- 41.0
6	120.8	5	-	116-124	31.4	5	-	29.0- 33.0
7	123.0	4	-	120-125	33.8	4	-	29.0- 36.0
8	128.0	1	-	-	35.0	1	-	-
9	124.0	1	-	-	36.5	1	-	-
10	127.5	2	-	126-129	38.0	2	-	35.0- 41.0
17	126.0	1	-	-	36.0	1	-	-

1974 - September

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	92.0	1	-	-	15.0	1	-	-
3	107.5	4	-	102-110	21.5	4	-	19.0- 24.0
4	113.8	6	-	108-117	24.3	6	-	12.5- 34.2
5	117.5	2	-	115-120	24.5	2	-	24.0- 25.0
23	130.0	1	-	-	58.0	1	-	-

Table 8.1.1
Monthly mean length and weight of pregnant female fur seals collected by Canada off California.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1965 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
6	114.0	1	-	-	31.5	1	-	-
7	126.0	1	-	-	35.0	1	-	-

Table 8.1.2
Monthly mean length and weight of pregnant female fur seals collected by Canada off Oregon.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10).

1965 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	117.0	1	-	-	25.0	1	-	-
7	115.0	1	-	-	30.5	1	-	-
9	122.0	1	-	-	35.0	1	-	-
10	125.0	2	-	124-126	35.3	2	-	32.0-38.5
11	128.5	2	-	122-135	43.5	2	-	40.0-47.0
12	116.0	1	-	-	31.0	1	-	-

Table 8.1.3
Monthly mean length and weight of pregnant female fur seals collected by Canada off Washington.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - February

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
15	131.0	1	-	-	44.0	1	-	-

1958 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	122.5	2	-	122-123	31.2	2	-	31.1-31.2
7	118.2	4	-	115-121	34.0	4	-	32.0-36.0
8	120.8	4	-	118-124	33.8	4	-	31.1-38.0
9	118.3	3	-	114-121	34.3	3	-	33.0-35.8
10	131.5	2	-	119-144	38.5	2	-	35.0-42.0
11	119.0	1	-	-	33.1	1	-	-
12	115.0	1	-	-	33.0	1	-	-
13	133.0	1	-	-	40.2	1	-	-
14	122.0	2	-	116-128	38.0	2	-	35.0-41.0
15	127.0	1	-	-	41.0	1	-	-
17	130.3	4	-	119-140	46.0	4	-	34.0-58.0
18	127.0	1	-	-	42.0	1	-	-

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	115.0	1	-	-	28.6	1	-	-
12	136.0	1	-	-	49.4	1	-	-
15	128.0	1	-	-	41.5	1	-	-

1958 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	121.0	1	-	-	30.0	1	-	-
5	115.5	2	-	115-116	30.3	2	-	30.3-30.3
6	123.7	6	-	119-131	35.4	6	-	27.9-40.4
7	120.8	6	-	104-127	38.8	5	-	35.4-42.2
8	121.0	2	-	121-121	35.9	2	-	35.4-36.3
9	117.5	2	-	116-119	35.9	1	-	-
11	122.0	1	-	-	34.5	1	-	-
12	129.3	3	-	124-135	43.7	3	-	41.3-47.2
13	134.0	1	-	-	43.6	1	-	-

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	100.0	1	-	-	23.9	1	-	-
5	116.0	4	-	112-121	28.7	4	-	24.0-33.6
6	115.5	2	-	113-118	27.7	2	-	25.9-29.5
7	121.0	4	-	115-128	33.1	4	-	29.0-35.4
8	122.3	7	-	115-129	34.9	7	-	29.5-43.1
9	126.3	8	-	121-132	38.0	7	-	34.0-42.6
10	125.7	3	-	119-130	38.4	3	-	32.2-43.1
12	119.0	1	-	-	35.4	1	-	-
13	126.0	1	-	-	-	-	-	-
14	124.0	1	-	-	41.7	1	-	-
16	124.5	2	-	119-130	40.1	2	-	37.6-42.6
17	128.5	2	-	128-129	38.8	2	-	34.0-43.5

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	114.0	2	-	114-114	26.8	2	-	24.0-29.5
5	114.8	5	-	112-118	29.9	5	-	28.1-32.7
6	115.6	13	4.7	108-124	32.2	13	3.6	27.7-38.1
7	115.2	13	5.6	108-130	30.6	13	2.4	25.0-34.0
8	122.3	11	5.8	114-132	36.0	11	3.7	31.3-43.5
9	121.8	11	8.9	113-142	36.8	11	4.1	30.0-44.0
10	124.8	4	-	120-131	40.3	4	-	38.1-41.7
12	122.0	3	-	120-124	39.5	3	-	38.6-41.0
13	125.0	3	-	116-133	41.7	3	-	39.0-43.1
15	128.0	3	-	122-134	43.0	3	-	36.3-50.4
16	125.7	6	-	120-130	39.8	6	-	36.8-45.4
17	127.0	1	-	-	36.7	1	-	-

1959 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	108.0	1	-	-	31.7	1	-	-
5	112.7	4	-	109-118	29.4	4	-	21.4-34.0
6	116.8	6	-	107-124	35.8	6	-	31.7-39.5
7	121.7	4	-	115-131	37.3	4	-	31.7-43.1

1959 - May (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	115.7	3	-	110-119	36.5	3	-	31.8-39.0
9	121.0	3	-	111-130	41.6	3	-	36.3-47.5
10	116.0	1	-	-	40.8	1	-	-
12	127.0	1	-	-	50.0	1	-	-
14	120.5	2	-	120-121	36.5	2	-	32.6-40.3

1960 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	114.7	3	-	110-120	29.0	3	-	27.0-32.0
6	119.0	6	-	107-139	31.0	6	-	25.0-37.0
7	118.5	6	-	112-127	32.4	6	-	27.5-38.0
8	121.7	6	-	112-130	35.5	6	-	30.0-38.0
9	125.4	9	-	116-137	38.1	9	-	30.0-45.0
10	124.1	10	5.5	112-130	39.2	10	4.5	32.0-46.0
11	121.5	2	-	120-123	36.5	2	-	32.0-41.0
12	125.3	3	-	117-131	40.0	3	-	36.0-43.0
13	125.0	2	-	122-128	41.5	2	-	36.0-47.0
14	129.0	1	-	-	35.0	1	-	-

1960 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	115.0	5	-	110-118	31.7	5	-	28.0-36.0
6	114.7	7	-	109-120	32.7	7	-	30.0-35.0
7	118.3	18	3.6	112-126	34.5	18	3.3	28.0-41.5
8	118.3	20	5.8	107-130	34.5	20	4.4	22.5-41.0
9	122.1	14	6.9	115-137	39.7	14	4.6	33.0-50.0
10	124.4	10	5.6	111-132	40.8	10	4.7	30.0-46.0
11	124.3	3	-	117-131	40.3	3	-	35.0-44.0
12	123.7	6	-	117-128	42.3	6	-	37.0-46.0
13	123.0	2	-	121-125	42.0	2	-	42.0-42.0
14	118.0	1	-	-	44.0	1	-	-
15	123.3	3	-	120-126	39.8	3	-	37.5-42.0

1960 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	108.8	4	-	107-111	27.3	4	-	27.0-28.0
6	115.3	6	-	110-121	30.2	5	-	29.0-32.0
7	117.6	12	4.6	108-123	35.5	12	4.1	29.0-43.0
8	118.9	9	-	110-126	36.6	9	-	32.0-42.0
9	117.5	2	-	112-123	22.0	2	-	14.0-30.0
10	124.3	3	-	122-126	42.5	3	-	40.0-45.0
11	120.5	2	-	120-121	38.0	2	-	38.0-38.0
15	124.0	2	-	123-125	35.0	2	-	34.0-36.0

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	115.0	1	-	-	33.0	1	-	-
8	117.0	3	-	113-120	32.7	3	-	31.0-34.0
9	115.5	2	-	107-124	28.8	2	-	24.5-33.0
10	121.0	2	-	117-125	33.5	2	-	30.0-37.0
12	119.0	2	-	113-125	39.3	2	-	35.5-43.0
13	112.0	1	-	-	32.0	1	-	-
15	120.0	1	-	-	36.0	1	-	-
16	121.5	2	-	115-128	36.5	2	-	35.0-38.0
18	120.0	1	-	-	33.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	114.0	1	-	-	33.0	1	-	-
6	116.6	9	-	109-124	34.6	9	-	29.0-46.0
7	119.5	2	-	117-122	39.5	2	-	39.0-40.0
8	117.1	9	-	108-122	34.0	9	-	28.0-42.5
9	118.7	9	-	113-125	34.3	9	-	16.0-40.0
10	117.3	4	-	114-123	36.0	4	-	35.0-38.0
11	117.0	1	-	-	29.0	1	-	-
12	117.0	1	-	-	39.0	1	-	-
13	113.0	1	-	-	32.5	1	-	-
14	123.2	6	-	116-131	32.4	6	-	22.0-43.0
15	121.5	4	-	119-124	40.6	4	-	38.0-42.5

1961 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
16	114.0	1	-	-	36.0	1	-	-
17	122.0	1	-	-	42.0	1	-	-
20	130.0	1	-	-	41.0	1	-	-

1961 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	102.0	1	-	-	11.5	1	-	-
6	119.5	2	-	115-124	35.0	2	-	35.0-35.0
7	123.5	8	-	115-134	36.6	7	-	32.0-40.0
8	119.0	4	-	109-124	36.0	4	-	30.0-44.0
9	118.0	2	-	114-122	35.5	2	-	32.0-39.0
10	131.5	2	-	124-139	44.0	2	-	42.0-46.0
13	129.0	4	-	122-134	42.5	4	-	35.0-48.0
14	136.0	1	-	-	46.0	1	-	-
15	130.5	2	-	124-137	43.0	2	-	36.0-50.0

1962 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	108.0	1	-	-	27.0	1	-	-
10	124.0	1	-	-	36.0	1	-	-
13	129.0	1	-	-	45.0	1	-	-

1962 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	115.0	3	-	109-122	30.0	2	-	26.0-34.0
7	122.0	4	-	117-128	33.8	4	-	31.0-37.0

1962 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
9	121.0	2	-	119-123	34.0	2	-	33.0-35.0
11	124.0	1	-	-	42.0	1	-	-
12	119.0	1	-	-	34.0	1	-	-
13	131.0	2	-	124-138	41.0	2	-	32.0-50.0
17	122.0	1	-	-	35.0	1	-	-

1963 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	132.0	1	-	-	29.0	1	-	-
13	131.0	1	-	-	45.0	1	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	116.3	3	-	114-120	28.7	3	-	25.0-31.0
9	119.0	1	-	-	30.0	1	-	-
11	141.0	1	-	-	54.0	1	-	-
13	127.0	1	-	-	40.0	1	-	-

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	114.0	1	-	-	35.0	1	-	-
8	121.5	2	-	115-128	40.3	2	-	37.5-43.0
10	122.0	1	-	-	41.0	1	-	-

1965 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	119.7	3	-	119-120	32.8	3	-	29.0-39.0
10	118.0	1	-	-	35.0	1	-	-

1966 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	113.2	5	-	101-123	29.9	5	-	26.0-35.0
6	118.2	4	-	110-133	34.8	4	-	30.0-41.5
7	119.5	8	-	110-129	38.0	8	-	33.0-41.0
8	114.7	4	-	113-117	37.6	4	-	33.0-41.5
10	117.5	2	-	115-120	39.0	2	-	37.0-41.0
11	126.7	3	-	121-133	39.0	3	-	35.0-42.0
13	124.0	1	-	-	42.5	1	-	-
14	116.3	3	-	111-122	38.5	3	-	35.0-42.5
16	118.0	1	-	-	37.0	1	-	-

1966 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	116.7	3	-	115-118	38.7	3	-	36.0-41.0
7	120.0	1	-	-	40.0	1	-	-
8	124.5	6	-	114-133	38.8	6	-	35.0-42.0
9	123.0	2	-	119-127	41.0	2	-	41.0-41.0
10	120.8	5	-	114-126	39.9	5	-	35.0-45.0
11	134.0	1	-	-	41.0	1	-	-
13	122.5	2	-	117-128	39.5	2	-	33.0-46.0
14	144.0	1	-	-	53.0	1	-	-

1967 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	126.0	1	-	-	39.0	1	-	-
7	120.8	6	-	113-126	35.1	6	-	28.0-39.0
8	122.0	2	-	121-123	33.0	2	-	31.0-35.0
9	121.4	5	-	119-125	36.6	5	-	30.0-40.0
10	122.0	1	-	-	36.5	1	-	-
11	122.0	1	-	-	36.0	1	-	-
12	116.0	1	-	-	41.0	1	-	-

1967 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	121.0	2	-	118-124	40.5	2	-	35.0-46.0
7	127.0	1	-	-	40.0	1	-	-
13	138.0	1	-	-	52.0	1	-	-

1968 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	129.0	2	-	128-130	41.0	2	-	40.0-42.0
10	129.5	2	-	115-144	35.0	2	-	30.0-40.0
11	118.0	1	-	-	36.0	1	-	-
18	124.0	1	-	-	48.0	1	-	-

1968 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	111.0	1	-	-	25.0	1	-	-
5	110.0	3	-	105-120	24.3	3	-	23.0-25.0
6	119.7	7	-	115-125	35.6	7	-	28.0-43.0

1968 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	121.2	6	-	113-127	35.7	6	-	30.0-46.0
8	122.5	6	-	115-127	36.2	6	-	33.0-40.0
9	121.1	8	-	117-124	38.4	8	-	33.0-41.0
10	121.4	9	-	114-127	34.9	9	-	30.0-43.0
11	121.7	3	-	117-124	35.0	3	-	35.0-35.0
12	123.0	3	-	118-127	36.3	3	-	35.0-38.0
14	128.0	2	-	126-130	35.5	2	-	33.0-38.0
18	125.0	1	-	-	40.0	1	-	-
19	134.0	1	-	-	55.0	1	-	-
20	126.0	1	-	-	42.0	1	-	-

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	118.0	1	-	-	33.0	1	-	-
6	122.3	3	-	120-124	37.0	3	-	35.0-38.0
9	125.0	1	-	-	45.0	1	-	-
11	119.0	1	-	-	40.0	1	-	-
15	127.0	2	-	127-127	46.5	2	-	45.0-48.0
16	122.0	1	-	-	40.0	1	-	-

1969 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	116.0	4	-	109-120	31.8	4	-	29.0-35.0
6	117.0	2	-	114-120	34.5	2	-	30.0-39.0
7	119.5	4	-	110-127	35.0	4	-	30.0-40.0
8	118.0	5	-	113-126	35.8	5	-	32.0-40.0
9	118.7	3	-	115-124	34.3	3	-	30.0-37.0
10	121.8	5	-	107-142	35.4	5	-	30.0-45.0
11	116.2	4	-	107-122	37.0	4	-	34.0-40.0
12	117.4	5	-	111-120	33.2	5	-	23.0-42.0
13	119.7	3	-	109-130	36.0	3	-	32.0-42.0
14	120.0	1	-	-	40.0	1	-	-
15	126.0	1	-	-	45.0	1	-	-
16	132.5	2	-	128-137	45.5	2	-	44.0-47.0
19	116.0	1	-	-	40.0	1	-	-

1969 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	117.5	8	-	112-125	32.3	8	-	24.0-40.0
6	119.8	5	-	118-123	34.4	5	-	31.0-37.0
7	119.3	3	-	111-127	43.3	3	-	40.0-45.0
9	122.0	3	-	114-130	38.0	3	-	32.0-41.0
10	121.3	3	-	116-126	36.7	3	-	32.0-43.0
11	119.0	1	-	-	44.0	1	-	-
12	122.7	3	-	114-130	45.0	3	-	43.0-49.0
14	121.5	2	-	117-126	38.5	2	-	31.0-46.0
16	136.0	1	-	-	51.0	1	-	-
19	127.0	1	-	-	48.0	1	-	-
20	126.5	2	-	123-130	34.5	2	-	27.0-42.0
21	130.0	1	-	-	62.0	1	-	-

1970 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	106.0	1	-	-	23.4	1	-	-
6	115.4	5	-	108-127	32.2	5	-	29.3-35.1
7	120.2	6	-	111-125	36.8	6	-	34.2-38.7
8	125.0	4	-	116-137	37.4	4	-	33.8-43.7
9	117.7	3	-	113-123	33.5	3	-	31.5-36.0
10	120.7	6	-	117-124	34.4	6	-	27.0-40.5
11	123.5	2	-	122-125	35.4	2	-	32.4-38.3
12	124.7	3	-	117-130	39.5	3	-	33.8-44.1
13	123.7	4	-	116-131	39.2	4	-	33.8-41.9
14	125.0	3	-	118-132	41.0	3	-	37.8-42.8
15	121.0	2	-	117-125	34.9	2	-	32.0-37.8
17	120.0	1	-	-	35.1	1	-	-
18	123.0	1	-	-	39.2	1	-	-
19	134.0	1	-	-	44.6	1	-	-

1970 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	123.0	2	-	115-131	31.0	2	-	27.0-35.0
6	121.0	5	-	116-125	33.6	5	-	27.5-37.5

1970 - February (Continued)

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
7	117.0	3	-	112-122	32.4	3	-	32.0-33.3
8	122.5	2	-	120-125	34.0	2	-	33.0-35.0
9	123.3	3	-	121-127	39.1	3	-	37.4-40.0
10	116.0	1	-	-	32.0	1	-	-
11	131.0	1	-	-	41.0	1	-	-
13	121.0	1	-	-	35.0	1	-	-

1970 - March

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
12	128.0	1	-	-	41.0	1	-	-

1971 - January

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	122.0	3	-	117-125	34.0	3	-	27.0-40.0
6	119.1	7	-	111-128	33.1	7	-	27.0-40.0
7	124.8	8	-	119-131	38.3	8	-	35.0-45.0
8	121.0	7	-	113-127	36.9	7	-	31.0-42.0
9	123.7	4	-	117-129	40.0	4	-	35.0-45.0
10	126.5	2	-	125-128	44.5	2	-	42.0-47.0
11	130.0	3	-	125-134	42.3	3	-	40.0-44.0
12	129.0	6	-	114-134	44.7	6	-	36.0-52.0
13	131.0	3	-	128-136	48.3	3	-	47.0-50.0
15	126.0	1	-	-	42.0	1	-	-
18	126.3	3	-	123-129	42.0	3	-	38.0-48.0
19	139.0	1	-	-	55.0	1	-	-

1971 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	119.0	1	-	-	29.0	1	-	-
6	118.5	2	-	118-119	32.5	2	-	32.0-33.0

1971 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	118.2	4	-	116-122	30.0	4	-	27.0-32.0
6	119.0	6	-	115-126	31.8	6	-	29.0-35.0
7	122.2	10	3.4	115-127	35.2	10	2.1	32.0-39.0
8	125.2	4	-	120-129	39.0	4	-	36.0-45.0
9	129.3	3	-	121-134	40.7	3	-	38.0-45.0
10	127.7	3	-	126-131	39.7	3	-	38.0-41.0
11	130.3	3	-	125-135	42.3	3	-	39.0-45.0
12	129.3	6	-	119-141	40.8	6	-	36.0-47.0
13	123.5	2	-	123-124	35.5	2	-	35.0-36.0
14	124.0	1	-	-	36.0	1	-	-
15	132.0	1	-	-	46.0	1	-	-
16	133.0	1	-	-	46.0	1	-	-
17	124.5	2	-	121-128	42.0	2	-	41.0-43.0
19	131.0	1	-	-	44.0	1	-	-

1971 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
12	128.0	1	-	-	41.0	1	-	-

1971 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	120.5	2	-	119-122	29.8	2	-	28.0-31.5
7	119.0	1	-	-	38.2	1	-	-
10	123.0	1	-	-	36.0	1	-	-
11	128.0	2	-	123-133	42.5	2	-	41.8-43.2
15	133.0	1	-	-	48.6	1	-	-
17	121.5	2	-	119-124	39.6	2	-	37.8-41.4
19	119.0	1	-	-	33.3	1	-	-
20	139.0	1	-	-	51.3	1	-	-

1972 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	123.0	2	-	119-127	31.3	2	-	31.0-31.5
6	126.7	3	-	126-127	36.0	3	-	35.5-36.4
7	124.0	3	-	123-125	35.2	3	-	25.2-40.9
8	126.3	4	-	121-129	37.0	4	-	33.7-39.6
9	124.0	2	-	124-124	39.4	2	-	33.7-45.0
10	123.0	2	-	123-123	39.8	2	-	38.7-40.9
11	131.0	1	-	-	41.8	1	-	-
12	130.5	2	-	128-133	40.0	2	-	39.1-40.9
14	130.0	1	-	-	48.1	1	-	-

1972 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	127.0	1	-	-	36.9	1	-	-
7	126.0	1	-	-	34.2	1	-	-
11	130.0	1	-	-	46.3	1	-	-
12	133.0	1	-	-	42.3	1	-	-
17	137.0	1	-	-	44.5	1	-	-

1972 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	133.0	1	-	-	43.2	1	-	-
12	134.0	1	-	-	48.1	1	-	-

1973 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	132.0	2	-	130-134	38.0	2	-	37.3-38.7
8	124.8	6	-	119-132	36.8	6	-	28.8-40.0
9	122.0	1	-	-	31.9	1	-	-
10	124.0	1	-	-	38.2	1	-	-
11	129.5	2	-	128-131	41.6	2	-	41.4-41.8
12	129.0	2	-	124-134	42.0	2	-	37.3-46.8
13	125.0	1	-	-	37.3	1	-	-
14	125.5	2	-	123-128	41.2	2	-	40.0-42.3
15	126.5	2	-	121-132	38.9	2	-	38.2-39.6
17	125.7	3	-	124-127	42.4	3	-	37.3-49.0

1973 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	127.0	1	-	-	37.8	1	-	-
6	119.0	1	-	-	32.4	1	-	-
7	122.5	2	-	122-123	35.3	2	-	32.8-37.8
9	131.0	1	-	-	40.9	1	-	-
11	126.0	2	-	121-131	38.9	2	-	33.3-44.5
15	131.0	1	-	-	41.4	1	-	-

1973 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
12	136.0	1	-	-	44.6	1	-	-
14	118.0	2	-	112-124	32.2	2	-	30.6-33.8

1974 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	105.0	1	-	-	23.4	1	-	-
6	117.0	1	-	-	32.9	1	-	-
7	117.0	3	-	114-123	32.6	3	-	27.0-37.8
9	119.0	6	-	115-124	35.0	6	-	29.3-39.6
10	113.7	3	-	103-122	37.7	3	-	31.5-44.1
11	119.7	3	-	112-124	36.3	3	-	33.3-39.6
12	124.5	2	-	122-127	57.9	2	-	37.8-78.0
14	113.0	2	-	104-122	32.4	2	-	28.8-36.0
16	127.0	2	-	122-132	38.5	2	-	36.0-41.0
19	128.0	1	-	-	50.4	1	-	-
20	124.0	1	-	-	38.7	1	-	-

Table 8.1.4
Monthly mean length and weight of pregnant female fur seals collected by Canada off British Columbia.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10).

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	115.0	1	-	-	25.4	1	-	-
5	113.0	1	-	-	29.1	1	-	-
6	110.5	2	-	110-111	26.9	2	-	26.4-27.3
7	117.5	2	-	112-123	34.0	2	-	31.8-36.3
9	119.0	4	-	113-122	39.6	4	-	36.3-43.1
10	126.0	1	-	-	42.6	1	-	-
11	126.0	1	-	-	36.3	1	-	-
12	124.5	2	-	123-126	45.7	2	-	45.4-45.9
13	124.3	3	-	117-136	41.6	3	-	35.9-46.3

1958 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
14	125.8	4	-	119-141	43.3	4	-	36.3-53.1
15	119.0	1	-	-	44.9	1	-	-
16	123.0	1	-	-	47.6	1	-	-
17	125.0	2	-	122-128	45.4	2	-	40.8-49.9

1958 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	120.5	2	-	117-124	33.8	2	-	30.0-37.6
5	121.8	6	-	116-129	32.9	6	-	30.0-37.6
6	122.7	7	-	115-130	34.3	7	-	28.1-41.3
7	121.6	5	-	119-123	38.0	5	-	33.6-41.8
8	130.1	9	-	122-137	42.8	9	-	37.6-49.0
9	126.5	2	-	118-135	41.8	2	-	36.7-46.8
10	127.5	4	-	125-129	44.1	4	-	38.6-47.7
11	128.3	4	-	125-131	46.0	3	-	44.0-47.6
12	134.0	1	-	-	41.7	1	-	-
13	128.0	1	-	-	44.9	1	-	-
14	137.0	2	-	131-143	52.7	2	-	44.5-60.8
15	131.0	1	-	-	43.1	1	-	-
16	129.0	2	-	129-129	47.1	2	-	44.7-49.5
17	126.0	2	-	123-129	45.8	2	-	44.0-47.6

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	117.5	2	-	116-119	34.8	2	-	32.7-36.8
7	121.0	1	-	-	34.0	1	-	-
8	126.0	1	-	-	39.7	1	-	-
9	126.0	2	-	120-132	38.9	2	-	34.0-43.7

1959 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
14	137.0	1	-	-	46.6	1	-	-

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	114.0	1	-	-	30.8	1	-	-
7	119.0	1	-	-	33.6	1	-	-
9	125.0	2	-	121-129	37.3	2	-	34.5-40.0
12	130.0	1	-	-	43.1	1	-	-
14	130.0	1	-	-	43.5	1	-	-
15	124.0	1	-	-	40.6	1	-	-
16	115.0	1	-	-	31.7	1	-	-
17	122.0	2	-	119-125	38.2	2	-	34.5-41.8
18	129.0	1	-	-	37.5	1	-	-

1959 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	113.5	2	-	112-115	31.8	2	-	31.8-31.8
6	123.3	3	-	120-126	36.3	3	-	30.8-40.4
7	110.0	1	-	-	34.0	1	-	-
8	117.0	1	-	-	34.0	1	-	-
10	121.0	2	-	118-124	37.2	2	-	36.3-38.0
15	122.0	1	-	-	33.2	1	-	-

1959 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	127.0	1	-	-	41.0	1	-	-

1960 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	110.0	1	-	-	32.0	1		-
8	130.0	1	-	-	40.0	1	-	-
9	112.5	2	-	112-113	36.3	2	-	32.5-40.0
10	124.7	3	-	122-128	37.3	3	-	35.0-40.0
11	112.0	1	-	-	33.0	1	-	-
15	116.0	1	-	-	33.0	1	-	-
17	120.0	1	-	-	37.0	1	-	-
18	127.0	1	-	-	40.0	1	-	-

1960 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	115.5	2	-	111-120	35.0	1	-	-
7	125.0	1	-	-	37.0	1	-	-
8	120.7	3	-	117-123	38.0	1	-	-

1961 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	119.0	1	-	-	37.0	1	-	-
7	120.0	1	-	-	37.0	1	-	-
8	117.3	4	-	114-122	32.8	4	-	28.0-43.0
9	123.7	3	-	117-133	36.0	3	-	30.0-46.0
10	124.5	4	-	119-130	36.6	4	-	32.5-39.0
12	115.5	2	-	112-119	35.5	2	-	34.0-37.0
13	129.5	2	-	128-131	44.0	2	-	43.0-45.0
14	128.5	2	-	126-131	43.3	2	-	42.5-44.0
15	120.0	1	-	-	33.0	1	-	-
16	125.2	4	-	122-129	39.5	4	-	36.0-42.0
17	131.0	1	-	-	41.0	1	-	-
18	121.0	1	-	-	40.0	1	-	-
21	122.0	1	-	-	40.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
10	126.5	2	-	125-128	40.0	1	-	-

1961 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
10	133.0	1	-	-	45.0	1	-	-

1962 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	123.2	4	-	119-132	34.1	4	-	28.0-44.0
8	122.0	8	-	116-131	35.8	8	-	32.0-45.0
9	123.3	3	-	116-127	33.5	3	-	27.5-38.0
10	126.0	7	-	119-140	35.6	7	-	32.5-43.0
11	132.5	2	-	127-138	40.0	2	-	36.0-44.0
12	126.3	3	-	125-128	38.2	3	-	37.0-40.0
13	127.0	2	-	123-131	39.0	2	-	35.5-42.5
15	132.5	2	-	132-133	43.5	2	-	42.0-45.0
19	126.0	1	-	-	43.0	1	-	-

1963 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	107.0	1	-	-	27.0	1	-	-
6	118.5	2	-	115-122	31.5	2	-	30.0-33.0
12	130.0	1	-	-	42.0	1	-	-

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	107.0	2	-	100-114	27.0	2	-	17.0-37.0
7	116.0	2	-	109-123	35.0	2	-	30.0-39.9
8	119.0	1	-	-	40.0	1	-	-
9	121.0	1	-	-	40.0	1	-	-
12	127.0	2	-	126-128	44.8	2	-	42.0-47.5
14	133.0	1	-	-	46.0	1	-	-

1964 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	103.0	1	-	-	30.0	1	-	-
6	120.3	3	-	116-124	40.7	3	-	38.0-45.0
7	120.0	1	-	-	36.0	1	-	-
9	128.0	2	-	127-129	49.0	2	-	46.0-52.0

1966 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	121.0	1	-	-	40.0	1	-	-
6	114.0	1	-	-	32.0	1	-	-
8	120.0	1	-	-	39.0	1	-	-

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	120.5	2	-	120-121	36.5	2	-	33.0-40.0
6	121.0	7	-	113-126	37.1	7	-	32.0-42.0
9	122.0	2	-	122-122	36.5	2	-	33.0-40.0

1968 - May (Continued)

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
10	127.0	1	-	-	38.0	1	-	-
11	125.0	1	-	-	55.0	1	-	-
16	126.0	2	-	125-127	44.0	2	-	43.0-45.0

1972 - February

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
11	119.0	1	-	-	31.5	1	-	-

Table 8.1.5
Monthly mean length and weight of pregnant female fur seals collected by Canada in the Gulf of Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1959 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
4	113.0	1	-	-	35.5	1	-	-
6	122.0	9	-	113-133	43.9	9	-	38.5-52.0
7	123.9	18	6.2	116-137	44.0	18	6.2	30.3-52.5
8	128.0	16	5.3	119-142	46.8	16	5.4	38.5-55.0
9	127.8	13	4.6	119-136	45.8	13	4.8	41.0-54.5
10	126.6	11	4.8	119-133	47.7	11	6.9	39.0-59.0
11	129.0	1	-	-	52.0	1	-	-
12	129.3	3	-	128-131	49.2	3	-	48.0-50.0
13	123.7	3	-	122-125	44.4	3	-	43.0-47.0
14	130.0	3	-	121-142	46.5	3	-	41.0-55.5
15	125.0	4	-	119-133	47.4	4	-	41.0-51.0
16	128.0	2	-	127-129	50.0	2	-	49.0-51.0
17	136.0	1	-	-	51.0	1	-	-
18	124.5	2	-	122-127	48.0	2	-	47.5-48.5
19	132.0	2	-	127-137	56.8	2	-	50.0-63.5
20	127.0	1	-	-	52.5	1	-	-

1962 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	115.0	1	-	-	33.0	1	-	-
6	130.0	1	-	-	40.0	1	-	-
8	123.5	6	-	115-135	38.8	6	-	35.0-50.0
9	123.2	5	-	110-135	40.8	5	-	35.0-47.0
10	127.6	5	-	120-136	45.2	5	-	41.0-48.0
11	135.0	1	-	-	40.0	1	-	-
12	135.0	1	-	-	47.0	1	-	-
13	128.0	1	-	-	45.0	1	-	-
14	131.8	5	-	125-140	48.6	5	-	44.0- 56.0
15	129.7	3	-	129-130	44.3	3	-	38.0- 50.0
17	135.0	1	-	-	51.0	1	-	-
19	131.0	1	-	-	45.0	1	-	-

1962 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	116.0	1	-	-	38.0	1	-	-
5	120.8	10	5.6	111-131	39.7	9	-	25.0-48.0
6	124.7	11	5.9	114-132	46.4	8	-	40.0-58.0
7	129.1	11	3.8	122-135	48.8	11	3.8	40.0-55.0
8	126.7	15	4.0	120-133	48.6	15	5.0	41.0-58.0
9	127.2	28	4.0	119-136	48.1	27	4.7	40.0-62.0
10	130.1	10	4.1	123-135	52.4	9	-	45.0-60.0
11	130.8	12	4.8	122-139	53.2	11	3.5	48.0-59.0
12	128.8	6	-	125-134	50.8	5	-	46.0-56.0
13	135.6	8	-	125-156	53.4	7	-	45.0-66.0
14	131.2	5	-	127-135	53.7	5	-	49.0-57.5
15	131.8	4	-	126-140	57.3	4	-	52.0-63.0
16	129.3	3	-	126-132	55.0	3	-	53.0-57.0
17	123.0	1	-	-	46.0	1	-	-
18	128.0	1	-	-	51.0	1	-	-

1963 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	116.0	1	-	-	35.0	1	-	-
9	129.0	1	-	-	45.0	1	-	-

1963 - May (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
10	129.5	2	-	129-130	44.0	2	-	43.0-45.0
11	134.0	1	-	-	50.0	1	-	-
12	128.0	1	-	-	48.0	1	-	-

1963 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	120.0	1	-	-	30.0	1	-	-
6	123.0	6	-	120-126	42.3	6	-	40.0-46.0
7	123.6	5	-	119-128	45.1	5	-	41.0-48.0
8	128.6	7	-	119-134	48.3	7	-	39.0-58.0
9	127.0	6	-	120-134	48.0	6	-	43.0-52.5
10	128.7	8	-	121-140	49.6	8	-	41.0-62.0
11	126.4	14	3.5	122-135	47.3	14	4.6	41.0-59.0
12	128.9	17	5.1	120-138	50.1	17	4.8	42.0-61.0
13	129.7	9	-	122-136	49.1	9	-	42.0-57.0
14	130.7	13	6.0	122-140	51.2	13	4.0	46.0-57.0
15	128.2	9	-	117-134	51.3	9	-	42.0-58.0
16	132.0	10	5.0	125-141	52.9	10	3.1	49.0- 57.0
17	137.3	3	-	132-142	58.7	3	-	57.0-62.0
18	135.3	3	-	130-140	58.2	3	-	51.0-67.0
20	138.0	1	-	-	63.5	1	-	-

1963 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	128.0	1	-	-	49.0	1	-	-
8	119.0	1	-	-	38.0	1	-	-
10	125.5	2	-	122-129	47.0	2	-	46.0-48.0

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	111.0	1	-	-	33.0	1	-	-
5	114.6	5	-	108-118	35.0	5	-	33.0-38.0
6	124.2	9	-	117-132	43.1	9	-	38.0-50.0
7	124.0	6	-	121-126	41.3	6	-	37.0-45.0
8	125.5	2	-	125-126	41.5	2	-	40.0-43.0
9	128.2	5	-	125-132	46.0	5	-	42.0-50.0
10	130.4	5	-	127-135	49.6	5	-	47.0-55.0
11	126.5	2	-	126-127	50.0	2	-	50.0-50.0
13	130.0	2	-	128-132	52.5	2	-	50.0-55.0
14	138.5	2	-	133-144	45.5	2	-	43.0-48.0
16	131.5	2	-	128-135	51.5	2	-	45.0-58.0
17	135.0	1	-	-	53.0	1	-	-

1968 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	114.0	1	-	-	42.0	1	-	

Table 8.1.6
Monthly mean length and weight of pregnant female fur seals collected by Canada off Western Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1974 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	122.3	3	-	117-129	47.7	3	-	42.8-53.4
8	124.0	1	-	-	49.5	1	-	-
12	158.0	1	-	-	65.7	1	-	-
13	127.0	1	-	-	52.2	1	-	-
14	128.0	2	-	118-138	54.0	2	-	49.1-59.0
15	132.0	1	-	-	52.2	1	-	-
16	130.0	1	-	-	62.6	1	-	-

Table 8.1.7
Monthly mean length and weight of pregnant female fur seals collected by Canada in the Eastern Bering Sea.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1974 - July

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
8	112.0	1	-	-	38.7	1	-	-
13	137.0	1	-	-	60.8	1	-	-

Table 8.2.1
Monthly mean length and weight of pregnant female fur seals collected by the United States off California.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - February

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
3	115.0	1	-	-	25.0	1	-	-
5	115.0	7	-	112-120	27.6	7	-	25.0-30.0
6	117.6	14	4.9	109-125	28.2	14	2.8	24.0-33.5
7	118.8	14	4.0	113-124	30.1	14	2.4	26.5-34.5
8	120.9	10	2.1	118-125	31.6	10	2.8	27.0-35.0
9	121.5	11	3.7	116-127	34.1	11	3.2	28.0-40.0
10	121.2	13	4.1	112-128	33.8	13	2.8	29.0-39.5
11	123.5	22	6.3	115-141	34.7	22	4.0	30.0-47.5
12	124.8	9	-	117-135	36.6	9	-	31.0-45.5
13	125.9	7	-	121-130	39.4	7	-	32.5-45.0
14	123.4	7	-	114-130	36.0	7	-	30.0-42.5
15	128.7	4	-	126-134	41.8	4	-	34.0-47.5
16	123.3	3	-	122-125	34.8	3	-	31.5-37.0
18	136.0	1	-	-	45.0	1	-	-

1958 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	115.3	11	5.1	106-123	27.6	11	3.4	21.5-32.0
6	118.5	17	2.5	114-122	28.2	17	2.1	25.0-33.0
7	118.2	24	5.5	107-134	30.4	24	3.5	26.5-37.5
8	121.1	19	6.1	109-130	31.7	19	3.6	26.0-39.0
9	123.1	15	3.2	118-128	32.9	15	2.6	30.0-38.5
10	123.8	22	5.4	114-136	34.2	22	4.7	27.5-46.0
11	124.7	18	6.4	115-141	35.3	18	4.3	29.0-44.0
12	126.5	28	5.8	112-140	36.8	28	4.8	27.5-48.0
13	128.5	16	4.7	120-134	39.5	16	5.2	32.0-50.0
14	125.6	14	4.5	117-132	37.6	14	4.2	30.5-42.5
15	126.4	10	5.7	116-134	37.9	10	8.1	24.0-52.0
16	128.0	7	-	122-138	41.0	7	-	38.0-45.0
17	129.6	5	-	122-137	42.2	5	-	35.5-50.0
18	126.0	1	-	-	42.0	1	-	-

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	122.0	1	-	-	31.0	1	-	-
6	114.5	4	-	107-120	26.9	4	-	26.0-28.0
7	126.0	1	-	-	37.5	1	-	-
8	120.2	5	-	117-126	32.1	5	-	30.0-36.0
9	113.0	1	-	-	31.0	1	-	-
11	131.0	1	-	-	41.5	1	-	-
12	130.0	1	-	-	36.0	1	-	-
13	127.0	3	-	124-130	37.3	3	-	33.0-44.0
14	127.0	1	-	-	38.0	1	-	-
15	127.3	3	-	122-131	38.7	3	-	33.0-42.0

1959 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	113.0	2	-	108-118	24.0	2	-	21.0-27.0
6	118.8	6	-	113-123	29.2	6	-	25.0-35.0
7	120.5	10	5.3	109-127	30.5	10	6.7	20.0-45.0
8	119.4	12	8.7	105-137	29.9	12	5.7	17.5-38.0

1959 - January (Continued)

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
9	127.3	3	-	122-130	36.3	3	-	34.0-38.0
10	125.5	8	-	118-133	34.8	8	-	27.0-43.0
11	122.5	4	-	119-125	30.6	4	-	26.5-36.0
12	124.8	4	-	120-127	36.0	4	-	32.0-39.5
13	123.7	6	-	119-127	32.6	6	-	24.0-40.0
14	125.2	6	-	118-137	35.2	6	-	31.0-40.0
15	126.9	16	4.6	118-137	36.2	16	6.3	22.5-51.0
16	124.0	5	-	117-129	36.9	5	-	30.0-42.0
17	126.3	4	-	118-133	36.9	4	-	31.0-43.0
18	126.3	3	-	122-130	41.5	3	-	35.0-49.5
19	125.0	2	-	124-126	35.3	2	-	34.5-36.0
21	121.0	1	-	-	32.5	1	-	-

1959 - February

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
4	116.0	4	-	112-119	25.8	4	-	25.0-27.0
5	118.8	32	4.3	110-127	27.8	32	3.6	23.0-38.0
6	118.4	46	5.2	108-131	29.0	46	2.9	22.5-35.0
7	120.6	60	4.8	112-130	31.4	60	3.6	23.0-42.0
8	121.5	73	4.8	106-135	32.6	73	4.2	23.0-46.0
9	122.0	57	4.9	111-137	33.6	57	2.8	27.5-40.5
10	124.3	48	4.5	112-134	35.3	48	4.1	25.0-43.0
11	123.9	47	5.1	115-135	35.6	47	4.3	27.0-48.0
12	125.1	34	5.0	117-133	36.6	34	3.9	30.0-46.0
13	125.3	24	4.7	118-135	37.3	24	3.6	31.0-46.0
14	126.1	34	5.4	116-138	37.9	34	4.0	27.0-48.5
15	128.6	40	4.1	119-137	41.1	40	4.9	32.0-55.5
16	126.8	26	5.3	117-136	39.4	26	4.7	31.0-47.0
17	126.9	17	4.4	119-135	44.4	17	24.4	31.5-138.0
18	131.7	11	8.7	122-153	42.5	11	6.8	35.0-53.0
19	131.7	6	-	124-137	43.5	6	-	37.0-52.0
20	131.0	1	-	-	36.5	1	-	-
21	135.0	2	-	129-141	48.0	2	-	46.0-50.0
22	136.0	1	-	-	42.5	1	-	-

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	109.0	1	-	-	23.0	1	-	-
5	117.1	10	4.9	110-123	29.0	10	3.6	24.0-33.0
6	119.5	24	4.6	112-131	28.9	24	3.4	23.0-36.0
7	119.9	17	5.5	111-132	30.0	17	3.3	25.0-34.0
8	120.2	15	6.2	110-131	30.2	15	3.9	24.0-36.0
9	124.8	12	6.0	117-137	32.9	12	3.5	28.0-40.0
10	123.2	13	5.5	111-131	33.6	13	4.1	27.0-40.0
11	127.4	9	-	122-133	35.9	9	-	30.0-41.0
12	130.2	6	-	125-135	40.3	6	-	32.5-48.0
13	122.8	4	-	119-125	33.3	4	-	31.0-35.0
14	128.5	6	-	122-136	38.0	6	-	33.0-43.0
15	129.0	6	-	119-136	39.6	6	-	34.5-44.0
16	129.6	8	-	123-137	41.4	8	-	37.0-52.5
17	128.7	3	-	126-133	38.0	3	-	34.0-43.0
18	130.2	5	-	124-142	39.8	5	-	36.0-46.0
19	130.0	1	-	-	38.0	1	-	-
21	131.7	3	-	128-134	43.5	3	-	40.0-47.0
22	138.0	1	-	-	51.0	1	-	-

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	117.6	11	6.1	109-127	28.7	11	4.8	23.0-36.0
6	121.0	7	-	116-129	32.1	7	-	25.0-42.0
7	120.6	10	5.7	110-129	32.0	10	3.8	24.0-37.0
8	122.5	10	6.4	113-133	32.0	10	5.2	25.0-41.0
9	124.5	8	-	117-131	33.9	8	-	31.0-38.0
10	122.3	4	-	117-129	35.8	4	-	33.0-39.0
11	125.8	14	6.0	118-139	37.3	14	5.3	29.0-48.0
12	135.3	6	-	125-151	44.3	6	-	35.0-52.0
13	129.5	4	-	123-134	41.6	4	-	36.0-48.0
14	126.7	9	-	117-134	37.9	9	-	32.0-44.0
15	134.7	7	-	130-139	43.1	7	-	40.0-47.0
16	130.3	4	-	126-134	40.0	4	-	37.0-45.5
17	132.7	3	-	130-135	39.7	3	-	37.0-44.0
18	130.0	1	-	-	49.0	1	-	-
19	128.0	2	-	128-128	41.3	2	-	37.0-45.5

1960 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	117.0	1	-	-	26.0	1	-	-
16	131.0	1	-	-	37.0	1	-	-

1961 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	115.0	1	-	-	25.0	1	-	-
5	115.8	6	-	109-120	25.7	6	-	24.0-29.0
6	118.2	13	3.7	110-124	29.4	13	4.0	23.0-35.0
7	119.0	27	5.7	107-129	29.7	27	3.1	21.0-35.0
8	120.4	34	5.5	111-134	31.1	34	3.4	25.0-38.0
9	121.2	40	4.6	111-131	31.9	40	2.7	25.0-40.0
10	123.0	42	5.9	111-133	33.3	42	3.2	27.0-39.0
11	124.1	29	3.9	114-131	35.1	29	3.9	28.0-43.0
12	125.1	21	6.6	114-142	36.5	21	5.3	27.0-48.0
13	126.6	24	5.6	116-137	36.5	24	3.6	29.0-44.0
14	125.8	24	5.0	118-137	36.2	24	4.2	28.0-43.0
15	128.3	21	7.4	119-156	38.3	21	4.1	30.0-45.0
16	128.5	11	5.4	123-141	40.1	11	6.3	33.0-55.0
17	131.8	4	-	127-136	40.0	4	-	29.0-45.0
18	127.2	6	-	121-134	40.7	6	-	35.0-50.0
19	128.5	2	-	127-130	42.3	2	-	42.0-42.5
20	126.5	2	-	121-132	37.0	2	-	36.0-38.0

1961 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	117.0	2	-	114-120	27.5	2	-	25.0-30.0
6	117.4	19	5.8	109-127	29.3	19	3.9	23.0-38.0
7	120.9	20	5.7	105-130	32.5	20	3.5	28.0-41.0
8	121.2	24	6.2	111-133	33.5	24	3.9	27.0-42.0
9	120.7	30	6.1	112-136	33.9	30	4.6	24.0-43.0
10	121.6	30	5.4	112-132	35.1	30	4.5	27.0-47.0
11	124.1	15	5.1	118-134	35.5	15	4.4	27.0-44.0
12	122.1	20	6.2	112-135	35.9	20	5.7	29.0-51.0
13	122.5	13	5.7	113-131	35.5	13	4.1	30.0-42.0

1961 - February (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
14	127.9	11	6.6	119-142	40.2	11	4.1	33.0-48.0
15	125.6	8	-	118-132	40.0	8	-	36.0-43.0
16	121.0	15	3.8	114-127	35.5	15	3.5	30.0-41.0
17	126.4	5	-	119-135	37.0	5	-	31.0-42.0
18	131.5	2	-	129-134	47.0	2	-	41.0-53.0
19	124.5	2	-	112-137	39.0	2	-	30.0-48.0
20	122.0	1	-	-	32.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	116.5	2	-	115-118	30.0	2	-	28.0-32.0
6	118.0	2	-	116-120	28.3	2	-	28.0-28.5
7	123.0	1	-	-	29.5	1	-	-
8	125.8	4	-	125-126	33.5	4	-	32.0-37.0
9	122.0	3	-	121-123	31.3	3	-	28.0-36.0
10	124.6	7	-	116-133	34.6	7	-	29.0-38.5
11	129.6	7	-	125-140	37.6	7	-	33.0-44.0
12	127.5	2	-	124-131	37.5	2	-	37.0-38.0
13	129.9	10	4.7	123-140	39.8	10	6.1	30.0-51.0
14	128.6	7	-	123-136	41.0	7	-	37.0-47.0
15	130.0	2	-	123-137	45.0	2	-	40.0-50.0
16	129.3	3	-	127-133	41.5	3	-	39.0-43.0
17	125.0	3	-	123-128	40.0	3	-	38.0-42.0
18	140.0	1	-	-	56.0	1	-	-
19	132.0	1	-	-	41.0	1	-	-
20	142.0	1	-	-	59.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	129.0	1	-	-	33.5	1	-	-
9	125.0	1	-	-	30.0	1	-	-
14	134.0	1	-	-	45.0	1	-	-
18	137.0	1	-	-	46.0	1	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	120.0	1	-	-	32.0	1	-	
6	119.7	4	-	116-124	32.8	4	-	27.0-39.0
7	114.0	4	-	111-117	28.0	4	-	25.0-32.0
8	125.2	4	-	124-127	37.3	4	-	35.0-42.0
9	134.0	1	-	-	45.0	1	-	-
10	126.0	3	-	121-129	40.3	3	-	36.0-43.0
11	130.3	3	-	125-137	41.0	3	-	35.0-44.0
12	125.5	6	-	121-130	41.3	6	-	36.0-45.0
13	121.5	2	-	119-124	42.0	2	-	41.0-43.0
14	129.5	2	-	129-130	40.0	2	-	38.0-42.0
15	127.2	4	-	122-132	46.0	4	-	35.0-53.0
16	130.3	3	-	125-133	49.7	3	-	49.0-50.0
17	136.0	2	-	129-143	49.5	2	-	47.0-52.0
18	130.5	2	-	129-132	49.5	2	-	45.0-54.0
20	130.0	1	-	-	44.0	1	-	-

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	109.0	1	-	-	28.0	1	-	-
5	119.3	4	-	113-127	33.8	4	-	28.0-46.0
6	123.3	11	5.2	112-132	40.5	12	5.6	35.0-52.0
7	121.3	3	-	119-126	37.0	3	-	35.0-38.0
8	123.6	7	-	112-130	39.6	7	-	31.0-47.0
9	125.5	4	-	122-132	45.0	4	-	42.0-49.0
10	124.9	12	4.5	119-132	43.0	12	3.6	38.0-49.0
11	127.7	9	-	121-136	45.0	8	-	38.0-52.0
12	127.8	8	-	121-132	46.9	8	-	43.0-54.0
13	124.5	4	-	120-132	48.3	4	-	40.0-58.0
14	129.8	9	-	122-135	48.1	9	-	37.0-56.0
15	127.5	4	-	126-129	47.5	4	-	39.0-51.0
16	129.5	6	-	123-139	50.2	6	-	46.0-55.0
17	127.7	7	-	122-136	47.1	7	-	34.0-55.0
18	131.0	3	-	121-137	50.7	3	-	44.0-55.0
20	129.0	1	-	-	51.0	1	-	-
23	135.0	1	-	-	58.0	1	-	-

1965 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	117.0	3	-	111-122	32.0	3	-	28.0-35.0
7	123.0	2	-	121-125	37.5	2	-	36.0-39.0
8	127.0	1	-	-	36.0	1	-	-
9	128.5	2	-	128-129	40.0	2	-	39.0-41.0
10	129.5	2	-	126-133	38.5	2	-	36.0-41.0
11	125.0	4	-	119-133	38.3	4	-	33.0-42.0
12	131.3	3	-	126-137	46.3	3	-	41.0-55.0
13	117.0	1	-	-	33.0	1	-	-
14	133.0	2	-	132-134	44.5	2	-	44.0-45.0
16	135.0	1	-	-	43.0	1	-	-
17	129.0	2	-	125-133	42.5	2	-	38.0-47.0

1965 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	120.0	1	-	-	26.0	1	-	
6	123.0	4	-	118-126	39.0	4	-	35.0-45.0
7	122.8	4	-	120-127	37.3	4	-	34.0-41.0
8	123.4	9	-	116-126	38.6	9	-	30.0-45.0
9	126.5	4	-	124-132	39.3	4	-	38.0-41.0
10	128.5	2	-	126-131	46.0	2	-	45.0-47.0
11	129.0	6	-	120-139	46.3	6	-	44.0-50.0
12	126.2	5	-	122-134	43.6	5	-	39.0-50.0
13	130.0	3	-	123-135	47.7	3	-	41.0-51.0
14	130.0	5	-	119-136	48.8	5	-	41.0-56.0
15	130.9	7	-	126-136	49.0	7	-	42.0-55.0
16	129.3	4	-	125-133	47.0	4	-	41.0-50.0
17	132.2	5	-	130-134	52.6	5	-	50.0-57.0
18	134.0	1	-	-	56.0	1	-	-

1965 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	124.0	1	-	-	31.0	1	-	
6	126.3	3	-	123-131	41.3	3	-	38.0-43.0
7	128.7	4	-	124-134	43.3	4	-	37.0-47.0

1965 - June (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	127.0	2	-	125-129	41.5	2	-	40.0-43.0
9	128.8	5	-	124-137	43.0	5	-	41.0-46.0
10	126.3	3	-	124-130	43.3	3	-	40.0-47.0
11	127.3	3	-	123-131	44.0	3	-	41.0-46.0
12	130.0	2	-	129-131	48.0	2	-	47.0-49.0
13	130.7	4	-	126-135	49.0	4	-	47.0-51.0
14	134.0	1	-	-	57.0	1	-	-
15	123.3	3	-	121-126	46.7	3	-	43.0-51.0
16	127.0	3	-	123-130	46.3	3	-	46.0-47.0
18	129.0	1	-	-	48.0	1	-	-

1966 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	119.5	2	-	119-120	29.0	2	-	28.0-30.0
6	117.0	1	-	-	35.0	1	-	-
7	124.5	4	-	122-130	34.8	4	-	30.0-39.0
8	124.8	5	-	117-130	34.2	5	-	31.0-39.0
9	120.0	1	-	-	33.0	1	-	-
10	125.0	1	-	-	32.0	1	-	-
11	132.7	4	-	128-140	42.5	4	-	38.0-50.0
12	123.2	4	-	120-129	37.3	4	-	35.0-40.0
13	128.5	4	-	127-130	38.3	4	-	37.0-40.0
14	119.0	1	-	-	34.0	1	-	-
15	125.3	3	-	119-130	37.3	3	-	34.0-43.0

1966 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	108.0	1	-	-	22.0	1	-	-
5	117.4	7	-	114-120	29.7	7	-	24.0-38.0
6	118.5	12	3.9	113-127	30.6	12	3.0	25.0-35.0
7	118.9	16	5.6	110-135	31.9	16	3.1	28.0-40.0
8	123.6	12	1.4	122-126	34.4	13	2.8	29.5-38.0
9	121.4	9	-	110-128	33.8	9	-	28.0-39.0
10	123.5	6	-	119-129	33.5	6	-	29.0-38.0

1966 - February (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
11	126.1	8	-	123-130	38.7	8	-	33.0-48.0
12	122.3	10	4.5	117-132	35.1	10	4.1	29.0-42.0
13	128.8	5	-	122-137	40.0	5	-	37.0-46.0
14	128.3	9	-	121-146	38.7	9	-	27.0-47.0
15	125.5	6	-	120-130	39.8	6	-	37.0-44.0
16	124.3	3	-	116-135	37.3	3	-	30.0-46.0

1966 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	114.8	11	3.3	109-118	27.0	11	2.3	24.0-30.0
6	118.7	12	4.9	110-125	30.3	12	2.9	26.0-37.0
7	123.1	16	3.8	116-128	32.3	16	3.4	27.0-40.0
8	122.6	17	3.6	114-130	33.5	17	2.6	29.0-38.0
9	122.3	10	4.9	115-131	34.9	10	3.4	29.0- 40.0
10	127.5	4	-	122-135	38.0	4	-	35.0-42.0
11	130.3	6	-	122-136	40.5	6	-	34.0-49.0
12	124.7	3	-	120-130	36.7	3	-	32.0-45.0
13	128.3	3	-	124-133	38.2	3	-	35.5-41.0
14	127.5	2	-	118-137	41.0	2	-	39.0-43.0
15	125.6	5	-	114-131	38.4	5	-	29.0-44.0
16	131.0	1	-	-	44.0	1	-	-
17	134.5	2	-	131-138	46.0	2	-	42.0-50.0
19	129.0	1	-	-	39.0	1	-	-

Table 8.2.2
Monthly mean length and weight of pregnant female fur seals collected by the United States off Oregon.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	112.0	1	-	-	25.0	1	-	
5	116.0	2	-	111-121	26.0	2	-	26.0-26.0

1958 - April (Continued)

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
6	121.6	5	-	120-125	32.4	5	-	30.0-34.0
7	120.0	3	-	119-122	32.7	3	-	31.0-35.0
8	128.5	2	-	125-132	35.8	2	-	34.0-37.5
9	126.8	6	-	119-136	37.5	6	-	32.0-45.0
10	126.0	2	-	125-127	36.3	2	-	35.0-37.5
11	131.0	3	-	124-143	41.2	3	-	37.5-48.0
12	131.0	1	-	-	39.0	1	-	-
14	128.0	1	-	-	35.0	1	-	-
15	133.7	3	-	129-140	44.0	3	-	40.0-47.0
18	137.0	1	-	-	50.0	1	-	-

1959 - January

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
7	104.0	1	-	-	24.5	1	-	-

1959 - March

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
7	122.0	1	-	-	27.0	1	-	-
9	125.0	2	-	120-130	35.5	2	-	35.0-36.0
11	127.0	1	-	-	40.0	1	-	-
12	133.0	2	-	132-134	44.5	2	-	41.0-48.0
13	140.0	1	-	-	48.0	1	-	-
14	130.0	1	-	-	42.5	1	-	-
16	136.0	1	-	-	52.0	1	-	-

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	105.0	1	-	-	22.5	1	-	-
5	116.0	2	-	112-120	28.0	2	-	26.0-30.0
7	117.0	2	-	117-117	26.3	2	-	26.0-26.5
8	122.7	3	-	118-126	33.5	3	-	32.0-34.5
11	123.0	3	-	120-128	36.2	3	-	30.0-45.0
12	126.5	2	-	121-132	34.8	2	-	33.5-36.0
14	130.0	1	-	-	38.0	1	-	-
15	123.0	1	-	-	36.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	125.0	1	-	-	36.0	1	-	-
7	131.0	2	-	129-133	34.0	2	-	31.0-37.0
8	126.0	1	-	-	37.0	1	-	-
9	128.3	3	-	123-131	38.3	3	-	35.0-40.0
10	128.0	1	-	-	40.0	1	-	
11	127.5	2	-	127-128	38.5	2	-	38.0-39.0
12	136.0	1	-	-	42.0	1	-	
13	133.0	2	-	128-138	42.5	2	-	36.0-49.0
14	134.0	1	-	-	38.0	1	-	-
15	131.0	1	-	-	39.5	1	-	-
16	139.0	1	-	-	45.5	1	-	-
21	140.0	1	-	-	46.0	1	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	113.0	1	-	-	27.0	1	-	-
12	116.0	1	-	-	28.5	1	-	-

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	127.0	1	-	-	40.0	1	-	-

Table 8.2.3
Monthly mean length and weight of pregnant female fur seals collected by the United States off Washington.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	119.5	2	-	119-120	31.0	2	-	29.0-33.0
7	119.0	6	-	115-123	32.1	6	-	30.5-33.0
8	125.2	5	-	120-129	34.2	5	-	31.0-37.5
9	126.7	9	-	122-139	35.7	9	-	24.5-40.5
10	122.0	1	-	-	35.0	1	-	-
11	124.3	3	-	110-132	35.7	3	-	30.0-39.0
12	125.0	2	-	120-130	38.3	2	-	34.5-42.0
13	125.2	6	-	121-130	40.2	6	-	37.5-44.0
14	134.0	1	-	-	40.0	1	-	-
15	122.0	2	-	117-127	38.8	2	-	34.0-43.5
16	130.0	1	-	-	46.0	1	-	-

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	120.0	7	-	115-124	30.9	7	-	24.5-37.0
6	118.6	8	-	108-127	31.2	8	-	27.5-39.5
7	119.7	8	-	116-123	30.5	8	-	25.0-38.0
8	122.7	29	4.8	111-133	34.1	29	4.2	25.0-44.0
9	124.1	14	6.4	113-136	36.1	14	4.3	29.0-46.0
10	123.8	9	-	114-129	34.6	9	-	31.0-37.0
11	126.4	10	6.7	118-137	37.6	10	4.8	33.0-49.0
12	126.2	13	6.7	110-135	37.0	13	3.4	31.0-42.5
13	128.4	11	5.1	120-136	38.6	11	4.1	33.0-46.0
14	129.0	2	-	125-133	39.8	2	-	37.5-42.0

1959 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
15	130.9	7	-	124-136	39.1	7	-	37.0-41.0
16	131.3	8	-	124-138	41.3	8	-	39.0-44.0
17	128.5	2	-	126-131	42.5	2	-	40.0-45.0
18	133.3	3	-	120-142	45.0	3	-	37.0-54.0
19	136.5	2	-	136-137	42.0	2	-	39.0-45.0
20	135.0	1	-	-	46.5	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	119.0	2	-	115-123	31.0	2	-	29.0-33.0
8	117.3	3	-	110-129	29.3	3	-	28.0-31.0
10	126.8	5	-	122-131	35.6	5	-	31.0-44.0
11	131.3	3	-	127-136	40.7	3	-	39.0-43.0
12	125.0	2	-	119-131	35.0	2	-	32.0-38.0
13	133.5	2	-	126-141	38.0	2	-	36.0-40.0
14	124.5	2	-	121-128	36.5	2	-	34.0-39.0
15	131.7	3	-	128-136	41.7	3	-	37.0-49.0
16	130.0	4	-	121-135	41.5	4	-	36.0-45.0
18	133.0	2	-	133-133	45.0	2	-	40.0-50.0

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	112.3	3	-	106-116	30.0	3	-	28.0-32.0
6	120.3	7	-	115-125	33.9	7	-	31.0-40.0
7	119.8	19	4.5	112-127	33.7	19	3.0	29.0-40.0
8	121.2	13	5.0	114-129	33.8	13	2.4	30.0-37.0
9	124.9	24	5.9	117-137	37.3	24	3.3	30.5-45.0
10	125.5	12	3.8	121-133	38.0	12	4.9	35.0-52.0
11	121.8	13	5.1	116-133	36.2	13	2.9	30.0-40.0
12	125.7	12	3.6	120-132	37.6	12	4.2	30.0-45.0
13	124.7	6	-	114-134	38.8	6	-	32.0-47.0
14	123.5	11	7.3	114-134	37.0	11	3.6	32.0-45.0

1961 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
15	128.5	11	5.4	122-137	42.9	11	5.0	35.0-51.0
16	126.4	5	-	119-137	38.8	5	-	35.0-41.0
17	126.3	3	-	122-133	42.2	3	-	39.5-47.0

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	123.5	4	-	113-141	31.5	4	-	28.0-35.0
8	119.0	1	-	-	31.0	1	-	-
12	124.0	1	-	-	35.0	1	-	-
13	125.0	1	-	-	36.0	1	-	-
15	123.0	1	-	-	35.0	1	-	-

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
15	132.0	1	-	-	54.0	1	-	-

1965 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	120.0	4	-	116-124	29.8	4	-	24.0-32.0
6	119.1	11	3.0	116-127	31.0	11	2.2	27.0-35.0
7	125.4	10	3.1	119-131	35.2	9	-	30.0-39.0
8	126.8	16	4.1	121-136	34.4	16	3.1	31.0-40.0
9	122.5	2	-	120-125	32.5	2	-	32.0-33.0
10	126.0	2	-	126-126	40.5	2	-	39.0-42.0
11	125.0	2	-	120-130	35.5	2	-	35.0-36.0
12	129.0	1	-	-	35.0	1	-	-

1965 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
15	129.0	1	-	-	43.0	1	-	-
16	132.0	2	-	129-135	43.5	2	-	37.0-50.0
17	134.0	1	-	-	50.0	1	-	-
18	126.0	1	-	-	44.0	1	-	-

1967 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	115.5	2	-	112-119	26.5	2	-	24.0-29.0
6	120.5	8	-	115-126	30.3	8	-	26.0-35.0
7	125.0	1	-	-	37.0	1	-	-
8	121.3	3	-	120-124	33.0	3	-	31.0-35.0
9	122.9	10	7.4	109-134	35.7	10	4.9	27.0-41.0
10	126.2	5	-	120-132	37.2	5	-	33.0-40.0
11	124.3	3	-	123-125	35.3	3	-	32.0-38.0
12	121.0	1	-	-	37.0	1	-	-
13	125.0	2	-	121-129	41.0	2	-	36.0-46.0
14	118.0	1	-	-	34.0	1	-	-
16	128.0	5	-	120-136	42.4	5	-	34.0-47.0

1967 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	112.5	2	-	110-115	27.5	2	-	25.0-30.0
6	120.8	4	-	120-122	29.8	4	-	26.0-34.0
7	123.7	4	-	111-130	34.8	4	-	29.0-40.0
8	128.7	3	-	124-136	36.3	3	-	34.0-40.0
9	130.0	2	-	129-131	37.5	2	-	35.0-40.0
10	129.2	5	-	127-133	36.6	5	-	34.0-42.0
11	132.0	1	-	-	39.0	1	-	-
12	134.0	1	-	-	45.0	1	-	-
13	123.0	1	-	-	40.0	1	-	-
15	124.5	2	-	123-126	37.0	2	-	36.0-38.0
16	126.0	1	-	-	39.0	1	-	-

1967 - November

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	117.0	1	-	-	25.0	1	-	-
8	133.0	1	-	-	40.0	1	-	-

1967 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	121.5	2	-	118-125	30.5	2	-	29.0-32.0
5	122.3	3	-	121-123	28.3	3	-	23.0-32.0
6	125.2	5	-	122-129	29.0	5	-	27.0-30.0
7	125.1	7	-	118-131	31.6	7	-	27.0-36.0
8	125.9	7	-	117-133	34.0	7	-	30.0-39.0
9	126.0	1	-	-	40.0	1	-	-
10	129.0	4	-	121-139	36.3	4	-	32.0-45.0
11	130.6	5	-	128-135	36.0	5	-	32.0-39.0
12	130.0	1	-	-	37.0	1	-	-
13	144.0	1	-	-	45.0	1	-	-
14	132.0	2	-	124-140	39.5	2	-	37.0-42.0
15	136.5	2	-	135-138	42.0	2	-	40.0-44.0
17	127.5	2	-	127-128	35.0	2	-	35.0-35.0
18	136.5	2	-	135-138	41.5	2	-	41.0-42.0
19	129.0	1	-	-	37.0	1	-	-

1968 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	110.0	1	-	-	26.0	1	-	-
5	116.0	1	-	-	23.0	1	-	-
6	121.8	5	-	118-126	32.8	5	-	30.0-36.0
7	124.4	5	-	118-131	33.4	5	-	28.0-38.0
8	127.0	4	-	123-131	33.9	4	-	31.5-36.0
9	124.6	5	-	118-130	35.5	5	-	29.0-41.0
10	129.5	8	-	121-139	38.4	8	-	31.0-49.0
11	125.8	4	-	120-134	39.3	4	-	34.0-42.0
12	127.2	8	-	120-134	38.4	8	-	32.0-44.0

1968 - January (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
13	124.5	2	-	122-127	36.5	2	-	34.0-39.0
14	125.0	1	-	-	40.0	1	-	-
15	133.0	3	-	128-138	43.7	3	-	39.0-50.0
16	128.3	4	-	126-131	40.5	4	-	36.0-42.0
17	127.2	4	-	126-129	45.5	4	-	41.0-51.0

1968 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	119.5	4	-	116-122	27.3	4	-	24.0-31.0
6	122.2	11	3.8	117-127	32.0	11	3.4	25.0-37.0
7	125.8	9	-	119-130	34.6	9	-	31.0-39.0
8	123.0	1	-	-	32.0	1	-	-
9	129.7	7	-	124-135	38.4	7	-	30.0-43.0
10	127.5	8	-	120-135	38.1	8	-	34.0-42.0
11	128.0	9	-	119-134	36.7	9	-	33.0-43.0
12	127.3	7	-	123-132	37.9	7	-	35.0-42.5
13	131.5	2	-	131-132	39.5	2	-	39.0-40.0
14	130.7	3	-	125-136	44.0	3	-	41.0-48.0
15	132.6	7	-	125-141	43.0	7	-	32.0-50.0
16	127.2	4	-	122-132	40.8	4	-	38.0-45.0
17	119.0	1	-	-	30.0	1	-	-
18	130.0	1	-	-	37.0	1	-	-

1969 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	123.5	2	-	122-125	29.5	2	-	29.0-30.0
6	121.5	4	-	120-123	32.0	4	-	29.0-35.0
7	121.5	8	-	115-133	31.9	8	-	26.0-41.0
8	124.9	8	-	122-130	34.7	8	-	32.0-39.0
9	132.0	1	-	-	39.0	1	-	-
10	126.7	6	-	122-132	36.5	6	-	29.0-45.0
11	128.2	9	-	117-134	38.2	9	-	29.0-44.0
12	127.2	6	-	121-130	36.9	6	-	34.5-39.0
14	121.0	2	-	120-122	38.0	2	-	34.0-42.0

1969 - February (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
15	133.0	1	-	-	44.0	1	-	
17	130.0	3	-	126-137	44.5	2	-	44.0-45.0
18	129.5	2	-	124-135	39.5	2	-	34.0-45.0

1969 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	106.0	1	-	-	22.0	1	-	
5	121.0	6	-	117-128	31.3	6	-	27.0-34.0
6	121.3	9	-	115-128	32.4	8	-	28.0-37.0
7	122.7	9	-	117-132	34.0	9	-	28.0-40.5
8	127.5	8	-	121-132	36.6	8	-	31.0-42.0
9	125.8	4	-	123-129	36.8	4	-	35.5-38.0
10	126.5	11	2.9	123-134	37.6	11	3.4	34.0-45.0
11	122.4	10	5.0	116-132	38.6	10	4.8	32.0-46.0
12	126.1	14	5.0	117-134	36.9	14	3.6	30.5-42.0
13	125.8	4	-	121-132	40.0	4	-	35.0-45.0
14	129.0	3	-	128-131	42.8	3	-	41.5-45.0
15	129.3	3	-	124-133	40.3	3	-	34.0-44.0
16	123.7	3	-	113-130	38.3	3	-	31.0-48.0
17	138.0	1	-	-	45.0	1	-	-
18	133.0	1	-	-	42.0	1	-	-
19	131.0	1	-	-	41.0	1	-	-

1970 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	119.0	7	-	115-128	30.0	7	-	27.0-36.0
6	118.6	10	4.4	113-127	30.4	10	2.8	26.0-34.0
7	128.1	11	6.3	118-141	37.6	11	3.7	32.0-46.0
8	130.3	4	-	128-134	38.3	4	-	36.0-40.0
9	126.8	9	-	122-131	39.3	9	-	36.0-46.0
10	125.2	4	-	121-127	40.3	4	-	37.0-43.0
11	126.7	7	-	122-131	38.9	7	-	37.0-43.0

1970 - March (Continued)

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
12	121.3	4	-	115-127	37.3	4	-	32.0-42.0
13	131.4	5	-	127-138	42.0	5	-	35.0-47.0
15	134.0	1	-	-	48.0	1	-	-
16	128.5	2	-	127-130	44.5	2	-	44.0-45.0

1970 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	118.0	2	-	115-121	31.5	2	-	28.0-35.0
6	120.0	4	-	119-123	34.0	4	-	32.0-36.0
7	119.0	1	-	-	35.0	1	-	-
8	126.7	6	-	121-131	37.7	6	-	29.0-40.0
9	126.0	1	-	-	40.0	1	-	-
10	126.0	1	-	-	35.0	1	-	-
12	130.5	2	-	125-136	43.5	2	-	41.0-46.0
13	134.0	1	-	-	48.0	1	-	-

1970 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	116.8	4	-	112-122	31.3	4	-	28.0-35.0
6	120.1	11	5.9	108-128	33.5	11	2.7	29.0-38.0
7	120.5	4	-	118-123	34.3	4	-	31.0-36.0
8	127.0	9	-	121-132	39.4	9	-	35.0-44.0
9	129.2	6	-	121-133	39.2	6	-	36.0-44.0
10	128.0	3	-	123-137	42.0	3	-	40.0-45.0
11	126.0	4	-	125-127	39.0	4	-	38.0-41.0
12	126.7	3	-	124-130	41.0	3	-	38.0-44.0
13	129.0	3	-	126-132	40.7	3	-	38.0-44.0
14	117.0	1	-	-	39.0	1	-	-
15	127.8	4	-	125-132	45.8	4	-	42.0-51.0
16	132.0	1	-	-	42.0	1	-	-
18	123.0	1	-	-	40.0	1	-	-

1970 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	125.0	1	-	-	38.0	1	-	-
9	127.0	1	-	-	42.0	1	-	-

1971 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	122.0	2	-	118-126	32.5	2	-	31.0-34.0
6	121.7	6	-	115-127	31.3	6	-	29.5-32.0
7	120.0	7	-	103-127	33.1	7	-	29.0-40.0
8	124.2	6	-	122-128	33.2	6	-	27.0-36.0
9	119.5	2	-	117-122	33.0	2	-	30.0-36.0
10	119.0	2	-	118-120	33.0	2	-	30.0-36.0
11	130.7	4	-	129-135	41.3	4	-	36.0-48.0
12	125.4	5	-	121-132	38.6	5	-	34.0-48.0
13	131.5	4	-	122-139	41.5	4	-	36.0-46.0
14	127.0	1	-	-	40.0	1	-	-
16	120.0	1	-	-	40.0	1	-	-
22	126.0	1	-	-	42.0	1	-	-

1971 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	119.5	2	-	118-121	34.5	2	-	33.0-36.0
6	120.3	7	-	116-128	31.9	7	-	28.0-40.0
7	123.9	9	-	118-129	35.8	9	-	33.0-41.0
8	123.6	5	-	110-140	32.6	5	-	23.0-42.0
9	125.0	1	-	-	36.0	1	-	-
10	126.3	6	-	121-133	38.3	6	-	34.0-43.0
11	126.0	1	-	-	38.0	1	-	-
12	126.6	5	-	124-132	41.4	5	-	36.0-45.0
13	128.3	4	-	125-132	43.0	4	-	36.0-49.0
14	120.0	1	-	-	41.0	1	-	-
15	123.0	2	-	122-124	38.0	2	-	38.0-38.0
18	132.0	3	-	125-138	44.3	3	-	40.0-51.0
20	125.0	1	-	-	46.0	1	-	-

1971 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	117.5	2	-	112-123	31.0	2	-	28.0-34.0
6	120.8	5	-	117-126	36.2	5	-	31.0-41.0
7	123.2	4	-	118-130	38.5	4	-	37.0-42.0
8	125.0	1	-	-	42.0	1	-	-
9	122.3	3	-	119-128	38.3	3	-	38.0-39.0
10	125.5	6	-	117-133	44.8	6	-	41.0-47.0
11	127.7	3	-	125-132	40.0	3	-	36.0-47.0
12	123.0	3	-	116-130	44.5	2	-	40.0-49.0
16	127.0	1	-	-	52.0	1	-	

1972 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	119.5	6	-	114-126	30.5	6	-	28.0-35.0
7	124.5	4	-	116-129	34.0	4	-	28.0-38.0
8	122.5	6	-	110-131	31.7	6	-	25.0-38.0
9	125.0	2	-	119-131	33.5	2	-	30.0-37.0
10	125.4	5	-	121-131	36.4	5	-	32.0-38.0
11	130.3	6	-	126-133	40.3	6	-	37.0-43.0
12	132.5	2	-	129-136	42.5	2	-	40.0-45.0
13	128.3	4	-	124-132	38.8	4	-	37.0-40.0
14	126.5	2	-	118-135	40.0	2	-	35.0-45.0
15	127.0	1	-	-	33.0	1	-	-

1972 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	116.0	2	-	115-117	27.0	2	-	26.0-28.0
8	122.8	5	-	122-125	34.6	5	-	32.0-38.0
9	129.3	3	-	124-134	38.3	3	-	33.0-43.0
10	132.0	5	-	126-137	43.2	5	-	36.0-54.0
11	127.5	2	-	125-130	39.5	2	-	34.0-45.0
12	126.0	1	-	-	35.0	1	-	-
13	129.3	3	-	127-131	40.0	3	-	38.0-42.0
14	136.0	1	-	-	49.0	1	-	-
18	128.0	1	-	-	43.0	1	-	-

1972 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	121.3	3	-	119-123	30.7	3	-	28.0- 33.0
6	122.6	7	-	116-127	33.6	7	-	30.0- 37.0
7	124.9	7	-	117-131	35.9	7	-	31.0- 39.0
8	129.2	5	-	124-141	35.4	5	-	32.0- 38.0
9	126.7	3	-	125-129	37.5	2	-	37.0- 38.0
10	133.3	4	-	127-142	40.3	4	-	32.0- 47.0
11	127.5	6	-	121-136	40.0	6	-	35.0- 46.0
12	129.3	4	-	124-137	40.0	4	-	37.0- 43.0
13	125.0	1	-	-	38.0	1	-	-
14	128.0	1	-	-	42.0	1	-	-
15	129.0	3	-	124-139	42.7	3	-	37.0- 53.0
16	127.5	2	-	122-133	41.0	2	-	40.0- 42.0
17	130.0	1	-	-	42.0	1	-	-

Table 8.2.4
Monthly mean length and weight of pregnant female fur seals collected by the United States off British Columbia.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
11	118.0	1	-	-	39.0	1	-	-

1961 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	116.0	1	-	-	33.0	1	-	-
10	123.0	1	-	-	31.0	1	-	-
13	123.0	1	-	-	40.0	1	-	-

1958 - February

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
15	124.0	3	-	120-128	44.0	3	-	40.5-49.5
16	127.3	3	-	119-132	52.8	3	-	44.5-58.0
17	131.0	1	-	-	45.0	1	-	-
18	130.0	1	-	-	42.5	1	-	-
20	126.0	1	-	-	49.0	1	-	-

1958 - March

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
7	121.0	1	-	-	32.5	1	-	-
8	126.0	1	-	-	30.0	1	-	-
9	121.0	1	-	-	35.0	1	-	-
10	123.0	3	-	123-123	40.2	3	-	37.0-42.0
11	124.6	5	-	119-130	41.3	5	-	38.0-46.0
12	127.4	9	-	116-140	41.7	9	-	35.0-50.0
13	126.3	17	7.3	114-140	42.6	17	4.0	36.5-52.5
14	126.6	12	5.1	118-134	44.5	12	5.2	35.0-52.5
15	128.5	13	3.4	124-135	45.2	13	3.9	37.5-51.0
16	128.7	17	5.5	115-138	46.7	17	7.0	33.0-59.0
17	129.7	10	4.0	123-138	45.3	10	5.7	38.0-57.5
18	133.8	5	-	131-139	47.5	5	-	38.0-56.0
19	126.0	3	-	124-127	40.2	3	-	35.0-48.0
21	134.0	1	-	-	55.0	1	-	

1958 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
6	115.0	1	-	-	31.5	1	-	-
8	126.0	3	-	118-131	37.5	3	-	35.0-40.0
9	127.5	4	-	122-134	40.3	4	-	33.5-47.5
10	121.0	1	-	-	42.5	1	-	-
11	129.0	2	-	127-131	45.0	2	-	45.0-45.0

1958 - April (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
12	131.2	5	-	127-138	43.8	5	-	42.0-47.5
13	129.7	3	-	113-142	45.3	3	-	38.5-52.5
14	124.0	1	-	-	36.5	1	-	-
15	127.7	3	-	126-130	45.7	3	-	45.0-47.0
16	125.0	1	-	-	41.5	1	-	-

1958 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	119.5	6	-	113-125	36.6	6	-	32.0-42.0
6	123.2	30	5.8	112-132	37.6	30	4.0	28.0-45.0
7	124.9	32	4.7	111-132	38.8	32	5.4	23.5-50.0
8	127.1	40	4.7	113-137	42.1	40	4.5	32.5-53.0
9	129.4	19	4.2	121-136	43.8	19	4.9	35.0-50.5
10	130.6	28	5.8	119-146	45.3	28	5.1	33.0-55.0
11	130.3	38	4.8	118-140	46.1	38	5.2	35.0-61.0
12	132.2	41	5.1	118-141	47.8	41	5.4	38.0-60.0
13	131.5	28	4.6	120-141	48.2	28	4.8	39.0-60.0
14	135.0	22	6.1	126-146	50.4	22	6.1	40.0-62.0
15	131.9	13	3.5	125-137	50.9	13	5.5	45.0-65.0
16	133.3	12	6.4	127-145	49.7	12	4.4	44.0-58.0
17	130.3	3	-	122-135	49.3	3	-	48.5-50.0
18	136.0	3	-	132-144	51.2	3	-	45.0-58.5
19	134.0	1	-	-	45.0	1	-	-

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	128.0	1	-	-	45.0	1	-	-
8	129.0	2	-	129-129	45.5	2	-	45.0-46.0
9	133.0	2	-	132-134	48.8	2	-	44.5-53.0
10	130.7	3	-	128-132	48.2	3	-	45.0-52.5
11	133.3	3	-	124-140	50.7	3	-	47.0-53.0
12	138.0	2	-	135-141	52.0	2	-	49.0-55.0
13	128.5	2	-	122-135	48.5	2	-	47.0-50.0
14	134.0	2	-	131-137	52.3	2	-	51.5-53.0

1960 - March

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
6	128.0	1	-	-	41.0	1	-	
7	119.7	3	-	118-121	37.7	3	-	37.0-38.0
8	125.0	3	-	123-129	41.7	3	-	38.0-45.0
9	127.6	5	-	121-141	43.0	5	-	40.0-49.0
10	126.4	8	-	121-138	42.6	8	-	35.0-49.0
11	129.2	6	-	122-133	44.5	6	-	36.0-49.0
12	126.0	6	-	122-134	45.8	6	-	34.0-57.0
13	128.2	18	3.8	119-136	46.4	18	5.1	37.0-53.0
14	129.1	17	7.3	112-142	47.1	17	7.9	30.0-63.0
15	127.8	9	-	118-138	47.6	9	-	39.0-58.0
16	131.0	11	5.1	126-143	48.8	11	3.4	44.0-57.0
17	132.7	9	-	127-138	51.3	9	-	47.0-62.0
18	127.8	4	-	120-136	45.8	4	-	40.0-56.0
19	128.7	4	-	118-138	48.8	4	-	43.0-60.0
21	133.5	2	-	129-138	44.0	2	-	39.0-49.0

1960 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	117.0	1	-	-	35.0	1	-	-
6	117.0	1	-	-	38.0	1	-	-
7	119.4	7	-	112-126	36.3	7	-	30.0-41.0
8	121.7	15	4.2	112-128	39.5	15	3.4	35.0-46.0
9	125.5	21	5.4	116-135	42.2	21	4.7	33.0-55.0
10	124.5	27	5.0	115-135	41.3	27	3.7	33.0-47.0
11	127.0	30	5.6	117-138	44.2	30	4.3	34.0-54.0
12	127.2	28	6.3	118-142	45.0	28	5.1	36.0-55.0
13	129.9	28	4.7	116-137	47.4	28	4.3	40.0-59.0
14	130.6	16	7.0	120-142	49.3	16	4.5	43.0-58.0
15	128.7	18	6.5	113-143	50.0	18	6.5	40.0-63.0
16	131.3	4	-	125-135	51.5	4	-	50.0-54.0
17	126.9	9	-	121-134	45.2	9	-	38.0-50.0
18	127.5	2	-	125-130	48.0	2	-	45.0-51.0

1962 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
12	131.5	2	-	131-132	51.0	2	-	49.0-53.0
14	128.0	1	-	-	48.0	1	-	-

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	119.0	1	-	-	33.5	1	-	-
6	125.0	1	-	-	38.5	1	-	-
7	128.0	6	-	125-135	41.0	6	-	37.0-44.5
8	127.3	3	-	125-131	39.7	3	-	37.0-41.5
9	130.3	3	-	128-134	44.5	3	-	44.0-45.0
10	133.0	3	-	131-136	45.3	3	-	42.0-50.0
11	125.8	4	-	122-128	42.0	4	-	39.0-45.0
12	131.8	6	-	124-140	46.4	6	-	41.5-54.0
13	129.8	6	-	125-137	44.3	6	-	38.0-50.0
14	133.5	4	-	126-145	51.1	4	-	44.0-60.0
15	123.0	1	-	-	41.0	1	-	-
16	128.5	4	-	126-132	45.5	4	-	44.0-49.5
17	132.0	3	-	128-140	48.0	2	-	45.0-51.0
18	137.5	2	-	135-140	54.0	2	-	52.0-56.0
19	129.0	2	-	127-131	47.5	2	-	44.0-51.0
20	131.0	1	-	-	47.0	1	-	-
21	126.0	1	-	-	42.0	1	-	-

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	126.0	1	-	-	39.0	1	-	-
7	134.0	1	-	-	48.5	1	-	-
9	127.0	1	-	-	42.0	1	-	-
10	125.0	1	-	-	44.0	1	-	-
12	133.0	1	-	-	52.0	1	-	-
13	137.0	2	-	132-142	52.0	2	-	50.0-54.0
16	132.7	3	-	130-137	48.7	3	-	43.0-55.0

1961 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	121.0	2	-	118-124	33.0	2	-	31.0-35.0
7	119.0	1	-	-	36.0	1	-	-
8	126.0	3	-	115-132	38.3	3	-	30.0-48.0
9	120.5	2	-	109-132	34.0	2	-	28.0-40.0
10	120.4	5	-	107-127	36.4	5	-	31.0-43.0
11	122.5	2	-	121-124	38.5	2	-	36.0-41.0
12	125.0	2	-	120-130	37.0	2	-	36.0-38.0
13	130.3	4	-	115-137	43.8	4	-	33.0-51.0
14	131.3	4	-	124-139	45.0	4	-	39.0-55.0
15	129.8	4	-	126-132	46.5	4	-	42.0-54.0
16	129.5	6	-	117-139	44.0	6	-	37.0-54.0
18	129.0	1	-	-	47.0	1	-	-
20	127.0	3	-	122-131	41.7	3	-	40.0-44.0

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
15	130.0	1	-	-	42.0	1	-	

Table 8.2.5
Monthly mean length and weight of pregnant female fur seals collected by the United States in the Gulf of Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10).

1958 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	114.0	1	-	-	29.0	1	-	-
10	124.5	4	-	117-129	40.8	4	-	36.5-46.0
11	119.0	1	-	-	42.5	1	-	-
12	131.8	5	-	127-140	47.3	5	-	40.0-60.0
13	122.5	2	-	118-127	37.8	2	-	35.0-40.5
14	127.0	5	-	123-134	47.2	5	-	42.5-53.0

Table 8.2.6
Monthly mean length and weight of pregnant female fur seals collected by the United States off Western Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	119.7	3	-	109-126	37.7	3	-	33.5-42.0
6	122.4	7	-	114-132	40.3	7	-	33.5-54.5
7	124.2	10	2.7	121-130	41.5	10	5.2	28.0-46.0
8	122.0	5	-	120-126	43.2	5	-	37.5-48.5
9	127.2	9	-	119-131	46.7	9	-	35.5-52.5
10	131.7	6	-	125-134	50.2	6	-	46.0-56.0
11	128.7	9	-	124-136	51.4	9	-	41.5-60.0
12	128.6	5	-	124-133	51.3	5	-	48.0-55.0
13	129.9	7	-	122-138	52.9	7	-	47.5-60.0
14	133.4	8	-	128-137	55.6	8	-	48.0-66.0
15	126.0	2	-	122-130	47.5	2	-	43.0-52.0
17	138.0	1	-	-	51.5	1	-	-
18	125.0	1	-	-	49.0	1	-	-

1960 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	117.0	3	-	109-124	33.2	3	-	31.0-35.0
6	124.5	2	-	123-126	36.5	2	-	35.0-38.0
7	121.5	2	-	118-125	38.5	2	-	32.0-45.0
8	126.8	15	6.0	121-141	44.4	15	4.9	35.0-53.0
9	127.7	20	3.8	121-135	43.4	20	4.9	30.0-51.0
10	125.2	13	5.2	118-134	45.6	13	4.5	34.0-51.0
11	128.6	18	4.8	122-137	47.1	18	5.2	37.0-57.5
12	127.6	10	4.5	121-135	47.8	10	4.5	41.5-55.5
13	130.2	9	-	119-146	50.0	9	-	38.0-60.0
14	128.0	8	-	114-139	45.9	8	-	33.0-60.0
15	130.5	2	-	130-131	49.0	2	-	45.0-53.0
16	130.2	6	-	125-136	50.3	6	-	42.0-56.0
17	126.5	2	-	118-135	46.0	2	-	45.0-47.0
18	135.0	2	-	128-142	51.3	2	-	44.5-58.0
19	135.0	1	-	-	55.0	1	-	-

1962 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
6	128.0	1	-	-	42.0	1	-	-
7	125.0	1	-	-	40.5	1	-	-
8	123.5	2	-	121-126	40.0	2	-	40.0-40.0
12	131.0	1	-	-	51.0	1	-	-
13	130.0	2	-	128-132	47.0	2	-	43.0-51.0
15	130.0	1	-	-	44.0	1	-	-
16	132.0	2	-	132-132	46.5	2	-	43.0-50.0
20	134.0	1	-	-	51.0	1	-	-

1962 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
4	115.0	1	-	-	37.0	1	-	-
5	116.8	4	-	113-120	37.0	4	-	35.0-40.0
6	121.4	8	-	112-127	43.2	8	-	38.0-51.0
7	124.2	23	3.8	116-132	42.9	23	4.0	36.0-51.0
8	125.0	26	4.3	116-132	45.6	26	3.8	38.0-51.0
9	124.9	16	4.4	118-135	44.7	16	5.5	35.0-56.0
10	127.8	12	4.2	121-134	46.5	12	2.9	43.0-52.0
11	127.5	10	6.0	118-136	47.7	10	4.9	40.0-55.0
12	127.9	15	4.3	121-138	48.5	15	4.3	42.0-55.0
13	124.1	8	-	114-135	44.9	8	-	38.0-55.0
14	128.3	4	-	125-131	49.0	4	-	46.0-53.0
15	133.7	6	-	130-136	55.3	6	-	50.0-60.0
16	127.5	6	-	118-134	51.3	6	-	45.0-60.0
17	133.3	3	-	125-138	58.3	3	-	49.0-66.0
18	133.5	2	-	133-134	53.5	2	-	48.0-59.0

1962 - July

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
8	125.0	1	-	-	46.5	1	-	

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	118.5	2	-	118-119	36.5	2	-	35.0-30.0
5	124.0	2	-	123-125	37.8	2	-	37.5-38.0
6	125.3	9	-	121-133	39.7	9	-	36.0-43.0
7	125.3	10	4.2	115-129	42.1	10	2.3	39.0-46.0
8	126.3	10	5.3	122-139	45.4	9	-	39.0-50.0
9	126.8	4	-	123-129	45.8	4	-	40.0-49.0
10	131.6	7	-	122-139	50.2	6	-	42.0-56.0
11	131.4	9	-	124-138	48.9	9	-	40.0-52.5
12	131.5	6	-	123-138	48.7	6	-	46.0-54.0
13	130.7	3	-	126-137	50.3	3	-	48.0-52.0
14	133.4	5	-	126-140	51.6	5	-	49.0-55.0
15	124.8	6	-	122-127	47.8	6	-	45.0-50.0
16	136.0	2	-	136-136	55.5	2	-	55.0-56.0
17	134.3	6	-	131-137	51.3	6	-	45.0-58.0
18	134.5	2	-	128-141	56.5	2	-	55.0-58.0
19	125.0	1	-	-	47.0	1	-	-
20	127.0	1	-	-	47.0	1	-	-

1968 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	118.0	1	-	-	42.0	1	-	-
7	122.5	2	-	121-124	45.0	2	-	45.0-45.0
10	121.0	1	-	-	46.5	1	-	-
17	127.0	1	-	-	45.0	1	-	-

Table 8.2.7
Monthly mean length and weight of pregnant female fur seals collected by the United States in the Eastern Bering Sea.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	125.0	1	-	-	45.0	1	-	-

1960 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	117.3	4	-	115-122	37.0	4	-	34.5-42.0
6	122.0	1	-	-	43.0	1	-	-
7	125.0	5	-	111-135	43.3	5	-	32.0-51.0
8	122.5	2	-	122-123	44.0	2	-	40.0-48.0
9	124.9	12	7.4	111-135	46.1	12	6.5	33.5-55.0
10	132.0	1	-	-	38.0	1	-	-
11	126.3	3	-	122-129	46.2	3	-	44.0-48.0
12	124.0	1	-	-	43.0	1	-	-

1960 - July

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	118.9	9	-	113-125	35.8	9	-	28.0-45.0
6	123.2	5	-	115-129	40.6	5	-	36.0-45.0
7	123.7	4	-	120-132	40.8	4	-	36.0-43.0
8	126.7	3	-	121-134	42.2	3	-	37.5-46.0
9	125.3	7	-	119-133	44.3	7	-	42.0-48.5
10	123.0	2	-	120-126	45.5	2	-	45.0-46.0
11	131.3	6	-	125-136	49.3	6	-	41.0-52.0
12	127.0	1	-	-	45.0	1	-	-
13	136.0	1	-	-	47.0	1	-	-

1962 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
15	131.0	1	-	-	47.0	1	-	-

1962 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	118.0	3	-	117-120	38.5	3	-	37.5-40.0
6	124.3	3	-	121-128	39.7	3	-	38.0-41.0
7	124.7	6	-	121-135	46.9	6	-	43.0-55.5
8	128.3	3	-	123-135	46.0	3	-	39.0-59.0
9	127.3	3	-	123-135	45.7	3	-	39.5-52.5
10	130.6	7	-	122-138	48.2	7	-	44.0-55.0
11	130.8	6	-	122-136	51.5	6	-	43.0-55.0
12	131.2	6	-	123-143	48.7	6	-	39.0-61.0
13	141.0	1	-	-	63.0	1	-	-
14	130.6	5	-	121-135	52.3	5	-	50.0-55.0
15	127.3	3	-	124-130	46.0	3	-	43.0-50.0
16	133.0	2	-	131-135	51.0	2	-	51.0-51.0
17	132.0	1	-	-	65.0	1	-	-
18	135.2	5	-	129-142	59.6	5	-	53.0-66.0
19	133.5	2	-	133-134	54.8	2	-	52.0-57.5
20	129.0	1	-	-	51.0	1	-	-

1962 - July

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
5	125.0	2	-	123-127	42.5	2	-	42.0-43.0
6	120.0	6	-	114-125	39.8	6	-	34.0-46.0
7	128.5	8	-	123-136	45.4	8	-	40.0-54.0
8	126.3	9	-	117-142	47.7	9	-	42.0-58.0
9	127.7	6	-	124-131	51.6	6	-	45.0-56.0
10	129.3	8	-	121-137	49.7	8	-	45.0-57.5
11	129.7	6	-	126-134	51.4	6	-	48.0-56.0
12	132.7	7	-	123-157	54.3	7	-	48.0-61.0
14	131.0	2	-	129-133	54.0	2	-	53.0-55.0
15	130.7	3	-	129-134	53.2	3	-	51.0-56.0
16	132.0	1	-	-	52.0	1	-	-
17	129.3	3	-	127-132	51.2	3	-	48.5-53.0
18	131.0	1	-	-	54.0	1	-	-
19	124.0	1	-	-	50.0	1	-	-
20	142.0	1	-	-	59.0	1	-	-

1962 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
20	126.0	1	-	-	51.0	1	-	-

1963 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	119.7	16	4.8	112-128	40.6	16	4.5	34.0-52.0
6	124.0	6	-	120-128	42.7	6	-	36.0-50.0
7	125.0	5	-	122-129	42.4	5	-	39.0-45.0
8	124.1	9	-	118-130	44.0	9	-	37.0-52.0
9	127.2	5	-	124-130	45.4	5	-	42.0-51.0
10	129.0	3	-	120-138	47.3	3	-	42.0-55.0
11	130.7	6	-	124-134	49.2	6	-	42.0-58.0
12	132.3	3	-	129-139	54.7	3	-	44.0-67.0
13	128.4	5	-	120-132	47.4	5	-	43.0-55.0
14	129.0	2	-	126-132	55.5	2	-	49.0-62.0
15	130.3	4	-	127-138	53.3	4	-	46.0-60.0
16	133.0	1	-	-	57.0	1	-	-

1964 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	120.0	6	-	113-124	38.6	6	-	32.0-42.0
6	122.3	4	-	118-125	41.6	4	-	36.0-45.0
7	123.7	3	-	119-129	43.8	3	-	38.5-47.5
8	126.5	2	-	124-129	42.8	2	-	41.0-44.5
9	121.0	1	-	-	38.0	1	-	-
10	130.7	3	-	127-134	52.7	3	-	48.0-58.0
13	133.0	1	-	-	54.5	1	-	-
14	131.0	2	-	128-134	52.8	2	-	52.5-53.0

1968 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	121.0	1	-	-	43.5	1	-	-
6	123.0	1	-	-	41.0	1	-	-
7	122.3	3	-	120-126	41.3	3	-	37.0-49.0
8	126.5	2	-	123-130	47.0	2	-	43.0-51.0
9	133.0	1	-	-	54.0	1	-	-
10	127.0	2	-	123-131	54.5	2	-	54.0-55.0
11	138.0	1	-	-	56.0	1	-	-
13	134.0	1	-	-	56.0	1	-	-
14	122.0	2	-	122-122	52.8	2	-	48.5-57.0
17	132.0	1	-	-	51.5	1	-	-

1973 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	119.0	1	-	-	40.0	1	-	-
10	129.0	1	-	-	46.0	1	-	-

1974 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	125.0	1	-	-	42.0	1	-	-
11	135.0	1	-	-	56.0	1	-	-
15	151.0	1	-	-	52.0	1	-	-

Table 9.2.5
Monthly mean length and weight of postpartum female fur seals collected by the United States in the Gulf of Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
15	136.0	1	-	-	48.5	1	-	-

Table 9.2.6
Monthly mean length and weight of postpartum female fur seals collected by the United States off Western Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1962 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	117.0	1	-	-	25.0	1	-	-
7	120.0	3	-	115-124	30.7	3	-	26.0-37.0
8	118.0	1	-	-	31.0	1	-	-
9	119.0	1	-	-	30.0	1	-	-
11	116.0	1	-	-	29.0	1	-	-
17	134.0	1	-	-	37.0	1	-	-

1962 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
9	128.0	1	-	-	33.0	1	-	-
10	126.7	3	-	121-131	34.0	3	-	33.0-35.0
12	128.0	1	-	-	33.0	1	-	-
13	126.0	1	-	-	40.0	1	-	-
14	124.0	1	-	-	29.0	1	-	-
17	133.0	1	-	-	38.0	1	-	-

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
8	123.0	1	-	-	33.5	1	-	-

Table 9.2.7
Monthly mean length and weight of postpartum female fur seals collected by the United States in the Bering Sea.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
18	118.0	1	-	-	29.0	1	-	-

1960 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	115.0	1	-	-	28.0	1	-	-
4	118.0	1	-	-	31.0	1	-	-
5	115.0	3	-	110-123	26.7	3	-	23.0-33.0
6	118.9	10	4.9	109-126	26.7	10	3.5	22.0-32.0
7	121.9	10	6.7	115-138	30.7	10	3.3	27.0-38.0
8	122.1	15	5.1	110-130	31.1	15	2.5	26.0-34.0
9	122.9	21	5.7	116-138	31.2	21	3.8	26.0-40.0
10	125.1	12	7.2	111-133	32.9	12	4.9	26.0-40.0
11	124.3	15	6.1	117-134	35.5	15	4.9	27.0-45.0
12	125.1	7	-	122-136	35.4	7	-	30.0-48.0
13	125.5	11	5.0	118-133	33.6	11	4.0	28.0-40.0
14	128.7	16	4.6	121-135	37.7	16	6.5	30.0-55.0
15	121.3	3	-	120-122	31.0	3	-	29.0-34.0

1960 - July (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
16	129.7	3	-	122-136	39.7	3	-	37.0-45.0
18	128.3	3	-	123-132	40.0	3	-	36.0-48.0
19	128.5	2	-	125-132	37.8	2	-	36.5-39.0
20	127.0	1	-	-	35.0	1	-	-
21	128.0	1	-	-	38.0	1	-	-

1960 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	117.8	5	-	110-122	27.9	5	-	25.5-31.0
6	118.4	9	-	113-123	29.4	9	-	22.0-35.0
7	121.5	4	-	116-129	30.8	4	-	24.0-40.0
8	122.5	8	-	117-128	30.8	8	-	26.0-36.0
9	126.8	8	-	110-138	35.1	8	-	25.0-42.0
10	124.3	13	4.9	113-132	35.1	13	4.6	28.0-43.0
11	126.5	6	-	120-132	38.7	6	-	30.0-45.0
12	127.6	5	-	120-131	37.6	5	-	35.0-40.0
13	125.2	8	-	121-133	37.8	8	-	31.0-43.0
14	133.5	2	-	128-139	44.0	2	-	38.0-50.0
15	127.0	2	-	127-127	37.0	2	-	34.0-40.0
17	130.0	1	-	-	45.0	1	-	-
18	134.0	1	-	-	44.0	1	-	-
19	133.5	2	-	132-135	42.0	2	-	38.0-46.0

1962 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	116.0	1	-	-	21.0	1	-	-
5	116.5	10	4.0	110-121	29.5	10	3.6	25.0-37.0
6	114.0	7	-	106-122	27.1	7	-	22.0-33.0
7	119.5	11	4.8	113-127	30.1	11	4.2	24.5-38.0
8	122.8	11	4.4	116-132	33.5	11	4.2	24.0-39.0
9	124.5	8	-	116-130	33.8	8	-	29.0-37.0
10	122.2	6	-	115-127	32.4	6	-	29.0-35.0
11	123.7	12	4.5	117-130	36.6	12	3.2	32.0-41.0
12	124.6	9	-	111-132	36.9	9	-	31.0-44.0

1962 - July (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
13	125.1	10	6.2	113-133	36.3	10	4.8	26.0-42.0
14	127.8	14	5.0	119-136	39.3	14	4.2	33.0-47.5
15	130.3	3	-	128-135	45.5	3	-	42.0-52.0
16	121.2	5	-	117-128	36.3	5	-	34.5-40.0
17	123.5	2	-	121-126	31.5	2	-	29.0-34.0
18	124.0	1	-	-	32.5	1	-	-
22	128.0	1	-	-	39.0	1	-	-

1962 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	111.0	1	-	-	21.0	1	-	
5	117.6	5	-	113-120	27.2	5	-	24.5-33.0
6	116.8	8	-	113-124	29.8	8	-	24.0-37.5
7	122.5	17	4.2	114-129	32.7	17	2.5	28.0-36.0
8	122.6	21	5.5	113-134	33.4	21	4.4	25.0-41.0
9	123.5	24	6.1	105-134	35.5	24	4.5	24.0-42.0
10	121.3	36	5.6	109-135	33.9	36	4.1	22.5-42.5
11	124.3	29	5.7	112-134	35.7	29	4.6	27.0-45.0
12	123.3	33	5.5	112-134	35.5	33	4.6	26.0-46.0
13	125.7	27	4.4	113-133	37.8	27	3.4	32.0-43.5
14	124.1	18	5.3	116-133	37.9	18	4.6	30.0-44.0
15	126.1	20	4.4	119-137	38.1	20	4.2	30.0-46.0
16	124.5	22	4.8	116-137	37.7	22	2.8	31.5-43.0
17	126.9	17	6.5	111-137	39.9	17	4.7	30.0-48.0
18	124.8	9	-	119-135	37.6	9	-	25.0-46.0
19	129.2	5	-	123-135	40.1	5	-	32.5-45.0
20	126.3	3	-	124-129	40.3	3	-	36.0-43.0
21	128.0	2	-	127-129	42.5	2	-	42.0-43.0
22	131.0	1	-	-	37.0	1	-	-

1962 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	114.0	1	-	-	27.5	1	-	-
5	117.4	7	-	115-127	29.1	7	-	27.0-34.0

1962 - September (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	118.2	6	-	114-123	30.6	6	-	25.5-32.5
7	122.6	9	-	119-127	31.2	9	-	22.5-36.0
8	122.1	11	4.0	115-127	34.5	11	2.9	31.0-39.0
9	120.7	3	-	118-124	33.7	3	-	31.0-38.0
10	123.7	15	4.7	116-132	35.3	15	4.1	27.5-41.0
11	126.5	13	4.2	120-135	37.5	13	3.7	32.5-44.0
12	122.9	10	4.1	116-132	37.3	10	4.2	30.5-44.0
13	125.5	4	-	122-132	35.8	4	-	28.0-42.0
14	130.6	9	-	125-136	42.6	9	-	35.0-50.0
15	128.2	5	-	124-133	38.9	5	-	35.0-41.5
16	125.5	2	-	125-126	35.0	2	-	32.0-38.0
17	126.0	3	-	125-128	40.0	3	-	38.5-41.5
19	130.0	1	-	-	38.5	1	-	-
20	129.0	1	-	-	45.0	1	-	-
21	141.0	1	-	-	48.0	1	-	-

1962 - October

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	118.0	1	-	-	32.0	1	-	-
8	125.0	3	-	124-126	36.0	3	-	33.0-40.0
10	126.0	2	-	121-131	38.8	2	-	38.5-39.0
11	124.8	4	-	116-134	36.0	4	-	32.0-41.0
12	125.7	3	-	121-131	39.8	3	-	33.0-46.0
13	126.5	2	-	126-127	40.0	2	-	38.0-42.0
14	130.7	3	-	128-135	44.7	3	-	40.0-52.0
15	117.0	1	-	-	36.0	1	-	-
16	122.0	1	-	-	36.5	1	-	-
17	133.0	1	-	-	46.5	1	-	-

1963 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	119.0	1	-	-	31.0	1	-	-
5	114.9	14	5.0	109-126	28.6	14	3.9	25.0-38.0
6	118.9	14	4.9	112-127	29.3	14	4.7	23.0-38.0

1963 - July (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	118.3	22	5.4	108-133	29.9	22	3.9	24.0-36.0
8	122.0	22	5.1	113-137	32.7	22	3.1	26.0-41.0
9	120.7	13	3.0	117-127	32.5	13	2.3	29.0-36.0
10	125.0	12	6.3	111-132	36.9	12	3.5	29.0-41.0
11	123.8	17	5.6	113-133	35.9	17	4.6	26.0-43.0
12	123.2	24	5.0	112-133	35.3	24	5.3	28.0-49.0
13	123.9	22	5.3	112-136	37.3	22	5.2	28.0-50.0
14	128.5	12	4.1	125-138	39.7	12	6.2	33.0-54.0
15	129.4	17	2.9	125-134	42.2	17	5.1	36.0-54.0
16	127.8	12	3.8	123-135	40.2	12	6.1	28.0-50.0
17	125.8	4	-	121-130	35.8	4	-	31.0-42.0
18	129.0	2	-	129-129	42.0	2	-	37.0-47.0
19	121.0	1	-	-	35.0	1	-	

1963 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	115.7	7	-	106-128	30.4	7	-	23.0-42.0
5	117.5	39	3.7	110-127	30.0	39	3.8	21.0-36.0
6	119.8	45	4.3	108-130	32.7	45	4.3	22.0-41.0
7	122.8	37	4.7	114-132	34.8	37	4.3	26.0-45.0
8	124.1	52	4.8	113-136	35.6	52	4.4	28.0-47.0
9	124.3	32	5.8	112-141	36.2	32	4.8	27.0-46.0
10	124.1	49	5.4	114-136	36.8	49	5.2	26.0-52.0
11	125.5	59	4.3	116-134	38.2	59	4.6	28.0-57.0
12	125.4	57	6.1	115-142	38.0	57	5.1	28.0-56.0
13	127.9	42	4.3	116-136	40.7	42	5.0	28.0-54.0
14	128.6	32	5.1	119-137	41.3	32	5.9	31.0-53.0
15	127.7	40	6.3	116-147	41.3	40	5.7	29.0-62.0
16	127.4	24	5.6	116-137	39.9	24	5.2	30.0-50.0
17	129.4	16	6.6	116-138	43.0	16	5.4	33.0-52.0
18	128.6	5	-	124-134	41.0	5	-	40.0-45.0
19	122.5	2	-	122-123	35.0	2	-	35.0-35.0
20	128.2	5	-	121-133	42.2	5	-	38.0-46.0
21	129.0	2	-	129-129	43.5	2	-	43.0-44.0

1963 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	116.0	2	-	111-121	27.5	2	-	25.0-30.0
6	117.0	2	-	112-122	25.5	2	-	25.0-26.0
7	121.5	4	-	119-126	31.8	4	-	25.0-37.0
8	123.0	2	-	122-124	34.0	2	-	33.0-35.0
9	122.0	1	-	-	37.0	1	-	-
10	128.7	3	-	124-132	40.3	3	-	32.0-45.0
11	125.0	1	-	-	37.0	1	-	-
12	125.0	1	-	-	37.0	1	-	-
13	129.0	1	-	-	36.0	1	-	-
15	127.5	2	-	124-131	44.0	2	-	43.0-45.0

1964 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
6	117.0	2	-	113-121	29.0	2	-	25.0-33.0
8	119.7	3	-	114-126	28.7	3	-	26.0-31.0
10	122.5	2	-	121-124	31.0	2	-	28.0-34.0
11	127.0	1	-	-	42.5	1	-	-
12	131.0	1	-	-	40.0	1	-	-
13	125.8	5	-	119-132	35.4	5	-	29.0-40.0
14	129.7	3	-	123-134	36.3	3	-	30.0-40.0
16	125.0	1	-	-	40.0	1	-	-
17	131.0	1	-	-	37.0	1	-	-
18	130.5	2	-	127-134	42.5	2	-	41.0-44.0
19	127.0	1	-	-	44.0	1	-	-

1964 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	115.0	1	-	-	25.0	1	-	-
5	115.5	18	5.1	108-125	27.5	18	3.6	21.0-36.0
6	117.8	36	4.8	109-130	29.2	36	4.1	22.0-38.0
7	122.4	22	4.0	115-130	33.1	22	3.2	26.0-39.0
8	122.8	20	5.4	114-131	34.7	20	5.3	26.0-45.0
9	124.5	17	5.7	113-134	35.8	17	5.9	28.0-49.0
10	125.7	22	5.3	115-134	35.5	22	5.6	26.0-49.0

1964 - August (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
11	126.1	18	4.5	118-135	37.8	18	3.9	32.0-47.0
12	125.7	24	5.1	115-135	37.6	24	4.4	27.0-46.0
13	127.4	12	3.5	120-132	37.5	12	4.6	27.0-42.5
14	126.5	12	5.3	118-138	38.6	12	4.4	32.0-45.0
15	128.7	16	5.2	121-137	42.7	16	6.6	33.0-56.0
16	130.4	5	-	123-135	40.8	5	-	39.0-47.0
17	128.8	5	-	124-133	37.3	4	-	36.0-40.0
18	129.3	4	-	125-134	43.8	4	-	40.0-51.0
19	125.5	2	-	121-130	39.5	2	-	36.0-43.0

1964 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	125.0	1	-	-	33.0	1	-	-
8	126.0	2	-	123-129	36.5	2	-	35.0-38.0
9	124.5	2	-	119-130	36.5	2	-	29.0-44.0
10	127.0	1	-	-	37.0	1	-	-
11	127.1	7	-	122-139	38.7	7	-	31.0-52.0
12	128.5	2	-	124-133	41.0	2	-	33.0-49.0
13	128.0	3	-	116-139	37.7	3	-	33.0-46.0
14	130.0	1	-	-	48.0	1	-	-
15	132.0	2	-	128-136	45.5	2	-	44.0-47.0
16	130.0	1	-	-	43.0	1	-	-
18	129.0	1	-	-	40.0	1	-	-
19	130.0	1	-	-	43.0	1	-	-

1966 - November

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
12	131.0	1	-	-	36.0	1	-	-

1968 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
5	112.0	1	-	-	26.0	1	-	-
6	120.0	2	-	116-124	30.8	2	-	29.0-32.5
7	121.0	2	-	119-123	34.3	2	-	33.5-35.0
8	126.0	1	-	-	37.0	1	-	-
9	125.0	2	-	123-127	33.5	2	-	32.0-35.0
11	127.0	1	-	-	31.5	1	-	-
13	128.0	2	-	127-129	47.3	2	-	47.0-47.5
14	126.0	2	-	125-127	35.3	2	-	33.0-37.5
15	123.7	4	-	113-130	42.6	4	-	33.0-47.5
16	130.0	1	-	-	41.0	1	-	-
17	123.0	1	-	-	37.0	1	-	-
18	123.0	1	-	-	40.0	1	-	-
19	129.0	1	-	-	50.0	1	-	-

1968 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	115.0	2	-	112-118	26.0	2	-	23.5-28.5
5	116.0	1	-	-	22.0	1	-	-
6	122.5	2	-	116-129	33.8	2	-	33.0-34.5
7	125.1	7	-	114-135	33.8	7	-	29.0-40.5
8	124.0	2	-	120-128	35.8	2	-	32.0-39.5
9	123.5	2	-	121-126	29.0	2	-	29.0-29.0
10	127.0	1	-	-	32.0	1	-	-
11	124.0	2	-	122-126	34.8	2	-	31.0-38.5
12	127.3	3	-	126-128	37.3	3	-	35.0-38.5
13	118.5	2	-	116-121	32.0	2	-	32.0-32.0
14	126.0	3	-	120-136	34.5	3	-	31.0-40.0
15	131.3	3	-	127-139	40.5	3	-	38.5-42.0
16	134.2	5	-	124-147	43.3	5	-	40.0-51.0
17	127.5	2	-	127-128	40.8	2	-	40.0-41.5
20	125.0	2	-	123-127	37.5	2	-	35.0-40.0

1973 - July

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
4	123.0	1	-	-	28.0	1	-	-
5	119.7	6	-	108-133	31.8	6	-	25.0-48.0
6	119.1	18	5.1	108-131	29.3	18	3.3	25.0-39.0
7	121.3	16	5.4	114-132	30.4	16	4.9	21.0-41.0
8	121.3	19	3.7	114-127	32.6	19	4.3	25.0-46.0
9	122.8	19	5.6	112-132	33.8	19	4.5	26.0-42.0
10	125.0	14	4.1	118-133	34.0	14	4.9	28.0-45.0
11	124.8	12	5.0	116-132	36.9	12	4.3	31.0-44.0
12	125.2	11	6.3	116-139	35.8	11	5.1	30.0-43.0
13	125.0	9	-	113-136	34.9	8	-	29.0-40.0
14	122.0	8	-	114-129	34.4	8	-	29.0-42.0
15	129.5	6	-	123-134	42.3	6	-	40.0-45.0
16	125.4	5	-	111-134	39.2	5	-	29.0-47.0
17	126.8	4	-	122-129	39.8	4	-	35.0-45.0
18	127.0	1	-	-	37.0	1	-	-

1973 - August

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
4	114.7	4	-	107-124	26.3	4	-	20.0-38.0
5	114.5	14	4.2	108-122	27.8	14	5.8	23.0-45.0
6	120.1	21	5.4	110-128	32.3	21	5.4	23.0-44.0
7	120.6	22	4.2	112-128	31.9	22	4.3	24.0-38.0
8	124.8	16	4.7	114-131	35.3	16	3.6	30.0-41.0
9	124.4	17	4.6	117-134	37.4	17	4.1	30.0-47.0
10	123.8	12	6.2	110-132	37.7	12	4.6	28.0-45.0
11	126.2	11	3.9	118-132	38.5	11	2.5	35.0-43.0
12	125.8	16	4.8	116-134	39.9	16	5.2	30.0-48.0
13	125.0	12	7.6	112-137	39.9	12	6.4	29.0-48.0
14	126.4	5	-	119-139	37.2	5	-	29.0-45.0
15	125.9	8	-	101-140	40.9	8	-	33.0-49.0
16	127.0	6	-	103-139	43.0	6	-	32.0-50.0
19	132.5	2	-	121-144	48.0	2	-	39.0-57.0

1973 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	121.0	1	-	-	35.0	1	-	-
5	118.8	6	-	114-123	31.5	6	-	28.0-35.0
6	119.6	14	5.3	112-128	33.5	15	5.2	26.0-47.0
7	124.2	19	5.4	112-132	36.3	19	5.3	25.0-45.0
8	122.0	14	4.4	112-128	37.3	14	3.6	32.0-44.0
9	123.7	15	5.9	115-136	36.2	15	4.9	29.0-44.0
10	125.6	17	4.6	118-132	37.4	17	4.4	30.0-45.0
11	126.6	16	3.3	119-132	40.0	16	5.1	30.0-47.0
12	124.2	9	-	119-131	39.6	9	-	31.0-54.0
13	125.5	8	-	120-134	40.8	8	-	33.0-58.0
14	125.7	7	-	120-131	39.4	7	-	32.0-51.0
15	126.2	5	-	123-132	41.4	5	-	40.0-45.0
16	126.3	6	-	121-131	45.0	5	-	37.0-52.0

1974 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	114.3	4	-	109-118	26.3	4	-	24.0-29.0
5	110.5	4	-	106-113	25.5	4	-	22.0-30.0
6	120.8	8	-	113-132	32.8	8	-	27.0-40.0
7	121.5	11	4.2	114-127	32.4	11	3.5	27.5-39.0
8	122.4	18	4.4	116-133	34.3	18	2.8	30.0-40.0
9	125.9	15	5.6	116-138	34.6	15	5.7	29.0-51.0
10	122.3	11	3.5	118-129	34.4	11	4.3	30.0-43.0
11	125.8	6	-	119-134	35.3	6	-	31.0-41.0
12	123.4	5	-	116-132	32.6	5	-	28.0-38.0
13	125.8	5	-	121-134	40.0	5	-	33.0-52.0
14	127.7	3	-	121-133	44.3	3	-	39.0-49.0
15	130.0	2	-	125-135	48.0	2	-	43.0-53.0
16	129.7	3	-	124-134	40.7	3	-	36.0-47.5
17	125.0	2	-	122-128	36.0	2	-	34.0-38.0
18	140.0	1	-	-	52.0	1	-	-

1974 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	117.8	4	-	112-123	25.5	4	-	22.0-30.0
5	115.9	8	-	108-123	29.1	8	-	24.0-34.0
6	119.3	11	6.3	107-130	30.3	11	4.2	22.0-37.0
7	121.2	25	5.0	113-131	33.3	25	4.5	26.0-41.0
8	122.8	18	4.4	116-134	34.2	18	4.0	29.0-42.0
9	121.1	15	5.6	110-131	32.8	15	4.7	24.0-39.0
10	123.9	15	6.2	111-136	35.0	15	5.1	25.5-46.0
11	125.9	10	3.8	118-132	37.8	10	3.7	31.0-42.0
12	126.3	4	-	121-132	38.6	4	-	32.5-46.0
13	127.0	3	-	118-137	45.7	3	-	35.0-56.0
14	121.6	5	-	109-134	37.4	5	-	28.0-45.0
15	125.5	2	-	120-131	38.0	2	-	31.0-45.0
16	127.0	1	-	-	-	-	-	-
17	131.0	1	-	-	44.0	1	-	-
19	131.0	1	-	-	46.0	1	-	-

1974 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	119.0	1	-	-	30.0	1	-	-
5	114.5	2	-	110-119	31.5	2	-	29.0-34.0
6	111.5	2	-	110-113	30.0	2	-	24.0-36.0
7	124.0	1	-	-	31.0	1	-	-
8	120.0	2	-	118-122	35.0	2	-	34.0-36.0
9	125.0	1	-	-	36.0	1	-	-
10	132.0	1	-	-	43.0	1	-	-
12	126.0	1	-	-	44.0	1	-	-
14	131.3	3	-	127-135	46.7	3	-	42.0-54.0
16	118.5	2	-	116-121	38.0	2	-	34.0-42.0

Table 10.1.1
Monthly mean length and weight of male fur seals
collected by Canada off California.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1965 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	81.0	1	-	-	8.0	1	-	-

Table 10.1.2
Monthly mean length and weight of male fur seals
collected by Canada off Oregon.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1965 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	74.0	1	-	-	8.4	1	-	-
2	89.8	4	-	84- 97	12.3	4	-	12.0-12.5

Table 10.1.3
Monthly mean length and weight of male fur seals
collected by Canada off Washington.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - February

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	71.7	6	-	62- 83	9.9	6	-	8.0-12.0

1958 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.6	14	2.6	75- 82	10.4	13	1.7	7.9-13.0
2	89.0	1	-	-	13.1	1	-	-

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.0	4	-	74- 91	11.3	4	-	9.5-13.0

1958 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	82.8	10	3.1	79-88	10.2	10	1.2	7.7-12.0
2	105.0	1	-	-	-	-	-	-
3	105.0	1	-	-	19.1	1	-	-
4	102.0	1	-	-	20.0	1	-	-

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.7	7	-	70- 88	10.5	8	-	6.9-13.6
2	88.0	2	-	87- 89	14.5	2	-	14.5-14.5
3	99.5	2	-	90-109	17.3	2	-	14.1-20.4

1959 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	81.1	9	-	75- 88	10.9	9	-	9.1-14.5
2	91.7	6	-	83- 98	15.8	6	-	15.0-16.8
3	94.0	1	-	-	21.8	1	-	-
4	110.0	1	-	-	23.1	1	-	-

1959 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	82.5	6	-	79- 87	11.5	6	-	9.5-14.0
2	93.2	5	-	91- 96	16.6	5	-	14.0-18.6

1960 - March

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	69.3	4	-	64- 72	7.6	4	-	6.0-10.0
2	86.0	6	-	79- 91	13.6	6	-	10.0-17.0
3	98.3	3	-	96-102	19.3	3	-	17.0-21.0
4	107.0	2	-	104-110	20.5	2	-	20.0-21.0

1960 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	71.7	3	-	67- 77	10.7	3	-	8.0-13.0
2	87.8	6	-	85- 92	15.0	6	-	14.0-17.0
3	101.5	11	6.6	93-117	21.3	11	2.5	18.0-26.0
4	116.0	1	-	-	27.5	1	-	-

1960 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.1	11	4.7	70- 84	8.7	11	1.5	7.0-11.0
2	89.2	13	4.8	80- 96	13.0	13	1.8	10.0-16.0
3	100.1	11	5.4	93-109	19.8	11	2.8	17.5-27.0

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	70.0	2	-	67- 73	7.4	2	-	5.0- 9.8
2	83.6	5	-	76- 87	11.7	5	-	9.0-13.0
3	98.8	4	-	93-110	17.9	4	-	15.0-22.5
4	96.0	1	-	-	16.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.4	7	-	70- 77	9.4	7	-	7.0-11.0
2	87.8	9	-	79- 99	12.6	9	-	10.0-15.0
3	102.9	7	-	98-109	18.6	7	-	13.5-23.0
4	106.2	6	-	96-110	23.6	6	-	20.4-26.0

1961 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.4	13	6.1	70- 90	9.0	13	1.5	7.0-11.5
2	94.2	6	-	85-109	16.5	6	-	13.0-25.0
3	104.6	7	-	94-115	21.1	7	-	17.0-28.0
4	117.0	3	-	114-122	26.0	3	-	24.0-28.0

1961 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.0	3	-	77- 82	11.2	3	-	10.5-12.5
2	94.0	2	-	93- 95	15.8	2	-	15.0-16.5
3	108.0	1	-	-	18.0	1	-	-

1962 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.5	14	5.2	62- 81	6.7	14	2.2	4.0-10.0
2	90.0	1	-	-	12.5	1	-	-
3	94.0	1	-	-	27.5	1	-	-
4	116.0	1	-	-	22.0	1	-	-
5	130.0	1	-	-	34.0	1	-	-

1962 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.6	15	5.3	66- 87	9.5	15	1.5	7.5-14.0
2	97.0	1	-	-	12.0	1	-	-
3	104.8	4	-	103-106	19.1	5	-	17.5-20.0
4	108.0	1	-	-	-	-	-	-

1962 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.0	1	-	-	9.0	1	-	-

1962 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	87.0	1	-	-	-	-	-	-

1963 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.0	3	-	72- 78	10.2	3	-	9.5-10.5

1963 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.6	5	-	77- 87	10.3	3	-	9.5-11.5

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	91.0	1	-	-	11.0	1	-	-
3	98.5	2	-	97-100	18.0	2	-	16.0-20.0

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	85.5	2	-	84- 87	17.3	2	-	15.5-19.0

1965 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	78.0	1	-	-	10.5	1	-	-
3	90.0	1	-	-	22.0	1	-	-
4	114.0	1	-	-	25.0	1	-	-

1966 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.9	33	4.2	69- 86	10.9	33	1.6	7.2-13.5
2	95.3	6	-	88-104	17.7	6	-	15.0-22.5
3	105.7	4	-	99-112	22.5	4	-	15.0-29.5
4	114.3	3	-	109-119	29.2	3	-	28.0-30.0
5	120.0	1	-	-	38.5	1	-	-

1966 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.2	5	-	75- 79	11.8	5	-	10.0-15.0
2	90.5	2	-	84- 97	19.5	2	-	18.0-21.0
3	110.5	2	-	107-114	24.0	2	-	23.0-25.0
4	110.5	2	-	107-114	29.0	2	-	27.0-31.0

1967 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	107.5	2	-	102-113	21.3	2	-	20.0-22.5

1967 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	81.0	3	-	72- 97	7.7	3	-	5.0-10.0
4	118.0	3	-	116-120	27.3	3	-	25.0-30.0

1967 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	84.0	2	-	79- 89	14.0	2	-	13.0-15.0
2	94.0	2	-	93- 95	18.8	2	-	17.5-20.0
3	101.0	1	-	-	20.0	1	-	-

1968 - March

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	79.4	9	-	73- 85	10.3	9	-	8.0-13.0
2	92.3	3	-	90- 96	15.0	3	-	15.0-15.0
3	112.0	1	-	-	25.0	1	-	-

1968 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	79.1	20	4.5	66- 87	9.3	20	1.5	5.0-12.0
2	94.8	5	-	88-102	16.6	5	-	15.0-20.0
3	106.7	3	-	105-108	23.0	3	-	20.0-25.0
4	122.5	2	-	122-123	29.5	2	-	26.0-33.0

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	104.0	1	-	-	23.0	1	-	-
4	120.0	1	-	-	30.0	1	-	-
6	145.0	1	-	-	60.0	1	-	-

1969 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.5	16	5.5	69- 88	8.8	16	3.0	5.0-14.0
2	90.3	3	-	72-107	17.7	3	-	8.0-25.0
3	102.5	2	-	100-105	21.0	2	-	15.0-27.0
4	114.5	4	-	112-117	31.8	4	-	25.0-35.0
5	131.5	2	-	121-142	39.5	2	-	34.0-45.0

1969 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	81.6	7	-	75- 88	10.1	7	-	9.0-12.0
2	94.1	10	4.4	87-101	14.3	10	2.8	10.0-19.0
3	109.2	9	-	98-120	23.7	9	-	19.0-33.0
4	117.7	3	-	114-122	36.7	3	-	32.0-39.0
5	129.0	1	-	-	35.0	1	-	-

1970 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.5	2	-	71- 78	8.5	2	-	7.2-9.9
2	91.5	4	-	88- 98	15.1	4	-	13.1-18.5

1970 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	79.0	2	-	78- 80	11.8	2	-	11.0-12.6
2	93.0	3	-	88-100	15.9	3	-	13.5-19.0
3	107.0	1	-	-	19.0	1	-	-
6	134.0	1	-	-	53.6	1	-	-

1970 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	82.5	2	-	82- 83	13.0	2	-	12.0-14.0

1971 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	101.0	1	-	-	25.0	1	-	-
4	120.0	1	-	-	33.0	1	-	-

1971 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.5	2	-	75- 80	9.5	2	-	9.0-10.0
4	126.0	1	-	-	33.0	1	-	-

1971 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.0	1	-	-	7.0	1	-	-
3	105.0	2	-	102-108	21.5	2	-	19.0-24.0
4	114.0	4	-	112-117	25.5	4	-	23.0-29.0

1971 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	82.0	1	-	-	12.0	1	-	-
2	94.0	1	-	-	18.0	1	-	-
4	121.0	1	-	-	31.0	1	-	-

1971 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	101.0	1	-	-	18.0	1	-	-
4	118.0	1	-	-	40.5	1	-	-

1972 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.7	3	-	71- 83	9.0	3	-	7.6-10.3
2	99.3	3	-	93-105	24.6	3	-	19.3-33.0

1972 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	78.5	2	-	77- 80	9.2	2	-	9.0- 9.4
2	102.0	2	-	101-103	19.8	2	-	19.3-20.2
4	122.0	1	-	-	31.5	1	-	-

1973 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	109.0	1	-	-	22.7	1	-	-

1974 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	78.0	1	-	-	9.5	1	-	-
2	110.0	1	-	-	25.2	1	-	-

Table 10.1.4
Monthly mean length and weight of male fur seals collected by Canada off British Columbia.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.2	19	3.5	71- 83	10.4	19	1.1	8.4-1.2
2	124.0	1	-	-	29.5	1	-	-
3	102.0	1	-	-	20.9	1	-	-

1958 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	82.4	11	4.3	77- 90	11.5	11	1.7	9.5-14.5
2	97.0	5	-	91-101	15.8	5	-	15.0-16.7
3	109.7	7	-	103-112	22.7	7	-	20.9-26.8
4	116.0	2	-	110-122	26.6	2	-	24.0-29.1
5	119.5	2	-	113-126	30.1	2	-	29.0-31.3

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	85.5	2	-	81- 90	10.9	2	-	10.0-11.8

1959 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	71.6	7	-	67- 78	8.7	7	-	7.5-10.6
2	85.0	1	-	-	14.0	1	-	-

1959 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	7	-	68- 80	9.3	7	-	6.1-11.9

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.5	4	-	72- 81	10.3	4	-	9.4-10.9

1959 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	82.2	5	-	70- 99	9.8	5	-	8.6-11.8

1959 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.0	1	-	-	8.7	1	-	-
2	92.5	2	-	89- 96	14.8	2	-	14.0-15.5

1960 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.7	3	-	73- 79	11.0	3	-	10.5-12.0
2	91.0	3	-	87- 96	17.0	2	-	14.0-20.0
3	109.0	1	-	-	25.0	1	-	-

1961 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	71.3	3	-	66- 76	6.9	3	-	5.5-8.6
3	103.0	1	-	-	19.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.6	32	3.3	65- 79	9.0	32	1.4	6.0-11.2

1961 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	92.0	2	-	88- 96	18.5	2	-	18.0-19.0
3	106.0	1	-	-	22.0	1	-	-
4	111.0	1	-	-	20.5	1	-	-

1962 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.3	12	4.1	67- 80	8.1	12	1.7	5.0-10.0
3	103.0	1	-	-	19.0	2	-	18.0-20.0
4	112.0	1	-	-	30.0	1	-	-
6	137.0	1	-	-	44.5	1	-	-

1962 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	80.0	1	-	-	-	-	-	-
4	105.0	1	-	-	-	-	-	-

1963 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
3	100.0	1	-	-	20.0	1	-	-

1964 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	98.0	1	-	-	10.0	1	-	-

1964 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	85.5	2	-	85- 86	12.0	2	-	11.5-12.5
3	100.0	1	-	-	20.4	1	-	-

1964 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.0	2	-	78- 82	12.3	2	-	12.0-12.5
2	94.0	3	-	87-104	20.1	3	-	17.5-22.7
3	102.0	1	-	-	23.0	1	-	-

1966 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	79.0	2	-	79- 79	9.5	2	-	9.1- 9.8

1966 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.0	2	-	76- 78	10.8	2	-	10.5-11.0
2	88.0	1	-	-	15.0	1	-	-
3	109.0	1	-	-	26.0	1	-	-

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.0	1	-	-	10.0	1	-	-
3	104.3	3	-	103-107	22.7	3	-	20.0-25.0

1972 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.0	1	-	-	7.6	1	-	-

Table 10.1.5
Monthly mean length and weight of male fur seals collected by Canada in the Gulf of Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	85.0	1	-	-	8.5	1	-	-
2	107.3	3	-	100-115	19.4	3	-	18.3-21.0

1959 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	92.7	3	-	89- 95	17.5	3	-	16.0- 18.2
4	119.0	2	-	114-124	31.8	2	-	29.5- 34.0
5	130.0	1	-	-	52.2	1	-	-
6	121.0	1	-	-	37.2	1	-	-
7	163.0	1	-	-	86.0	1	-	-
10	179.0	2	-	171-187	102.0	2	-	77.0-127.0

1962 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	100.0	2	-	100-100	22.5	2	-	18.0-27.0
4	115.8	4	-	108-120	26.8	4	-	20.0-30.0

1962 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	100.8	4	-	97-106	19.5	4	-	18.0-21.0
3	107.9	16	4.9	96-115	24.5	12	2.2	21.0-28.0
4	117.4	17	6.6	108-131	31.6	12	6.0	20.0-42.0
5	123.0	3	-	117-127	37.0	2	-	35.0-39.0
7	154.0	1	-	-	-	-	-	-

1963 - May

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
4	121.0	1	-	-	38.0	1	-	-

1963 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	99.0	2	-	94-104	21.0	2	-	19.0-23.0
3	109.7	7	-	107-114	25.3	6	-	20.0-28.0
4	118.0	3	-	116-119	31.0	3	-	29.0-33.0
5	117.0	1	-	-	30.0	1	-	-

1963 - July

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	89.0	1	-	-	13.0	1	-	-
3	115.0	1	-	-	28.5	1	-	-

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	103.5	13	5.3	95-113	19.7	13	1.2	18.0-22.0
3	111.7	26	6.9	97-128	27.2	26	5.6	20.0-43.0
4	121.2	15	6.4	108-132	36.3	15	5.5	28.0-48.0
5	128.5	2	-	124-133	51.5	2	-	50.0-53.0

1968 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	104.0	2	-	102-106	19.0	2	-	18.0-20.0
3	109.9	9	-	105-114	26.6	9	-	22.0-29.0
4	131.0	1	-	-	42.0	1	-	-

Table 10.1.6
Monthly mean length and weight of male fur seals collected by Canada off Western Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1974 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	114.0	1	-	-	27.5	1	-	-
3	116.5	2	-	111-122	30.6	2	-	29.7-31.5

Table 10.1.7
Monthly mean length and weight of male fur seals collected by Canada in the Eastern Bering Sea.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10).

1974 - July

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	103.5	2	-	103-104	23.2	2	-	20.7-25.7
5	127.0	1	-	-	46.8	1	-	-

Table 10.2.1
Monthly mean length and weight of male fur seals collected by the United States off California.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1959 - January

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
3	103.0	1	-	-	19.0	1	-	-

1959 - February

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
3	103.0	1	-	-	19.0	1	-	-

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	90.0	1	-	-	15.0	1	-	-
3	114.0	1	-	-	23.0	1	-	-
4	113.7	3	-	111-116	24.5	3	-	23.5-26.0

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	82.0	1	-	-	8.5	1	-	-
2	94.0	2	-	93- 95	16.0	2	-	16.0-16.0
3	106.0	1	-	-	20.0	1	-	-
4	117.5	2	-	115-120	25.3	2	-	25.0-25.5

1961 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	98.0	1	-	-	15.0	1	-	-
3	108.0	1	-	-	26.0	1	-	-
4	110.0	1	-	-	20.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	107.0	1	-	-	17.5	1	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	86.7	3	-	82- 89	13.7	3	-	12.0-16.0
3	103.5	4	-	99-109	21.0	4	-	19.0-23.0

1964 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	87.3	3	-	82- 90	12.0	3	-	11.0-13.0
2	93.8	4	-	90- 97	19.8	4	-	15.0-22.0
3	107.8	5	-	104-112	22.6	5	-	19.0-26.0
5	129.0	1	-	-	37.0	1	-	-

1965 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	97.0	2	-	87-107	18.0	2	-	15.0-21.0

1965 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	85.0	2	-	83- 87	13.0	2	-	11.0-15.0
4	110.0	3	-	103-116	24.3	3	-	23.0-26.0

1965 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	85.3	3	-	79- 90	12.0	3	-	9.0-15.0

1966 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	108.0	1	-	-	15.0	1	-	-

1966 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	87.0	1	-	-	13.0	1	-	-
3	95.0	1	-	-	18.0	1	-	-

1966 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	81.0	2	-	77- 85	10.0	2	-	9.5-10.5
3	107.7	3	-	104-111	21.8	3	-	20.5-23.0

Table 10.2.2
Monthly mean length and weight of male fur seals collected by the United States off Oregon.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	113.0	1	-	-	22.5	1	-	-

1959 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	87.0	1	-	-	13.0	1	-	-
4	105.0	1	-	-	20.0	1	-	-

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	84.0	1	-	-	12.0	1	-	-
2	97.0	1	-	-	15.0	1	-	-
3	108.0	1	-	-	19.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	98.0	1	-	-	14.5	1	-	-
3	106.0	2	-	105-107	17.5	2	-	17.0-18.0

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	93.0	1	-	-	13.0	1	-	-
3	103.0	1	-	-	17.0	1	-	-

Table 10.2.3
Monthly mean length and weight of male fur seals collected by the United States off Washington.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10).

1958 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	72.0	1	-	-	6.0	1	-	-

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	79.5	6	-	76- 83	9.8	6	-	9.0-10.5
2	102.0	1	-	-	17.0	1	-	-
4	114.5	2	-	114-115	24.8	2	-	23.5-26.0

1959 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	81.0	1	-	-	8.5	1	-	-

1959 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	81.3	8	-	74- 88	11.4	8	-	10.0-13.5
2	90.8	5	-	81-101	13.3	5	-	9.0-16.5
3	102.0	4	-	92-110	20.0	4	-	16.0-24.0
8	184.0	1	-	-	92.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	82.0	1	-	-	11.0	1	-	-
2	92.0	5	-	88- 96	13.2	5	-	11.0-15.0
3	99.8	4	-	93-107	18.0	4	-	17.0-19.0
5	109.0	1	-	-	24.0	1	-	-

1961 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.3	6	-	73- 81	7.8	6	-	6.0-10.0
2	94.5	10	4.3	85-101	13.6	10	1.9	11.0-17.0
3	102.9	14	5.7	96-113	18.9	14	2.1	15.0-22.0
4	110.4	8	-	104-115	22.8	8	-	15.0-25.0
5	129.0	1	-	-	35.0	1	-	-

1964 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	1	-	-	8.0	1	-	-

1964 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	102.5	2	-	100-105	18.0	2	-	18.0-18.0

1965 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	81.2	6	-	74- 86	9.5	6	-	9.0-10.0
2	95.0	3	-	92-100	13.0	3	-	11.0-16.0
3	106.0	8	-	102-113	19.8	8	-	18.0-21.0
4	118.5	2	-	118-119	27.0	2	-	27.0-27.0

1967 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	74.0	2	-	73- 75	8.5	2	-	8.5- 8.5
2	96.3	3	-	95- 98	16.2	3	-	15.0-17.5
3	105.0	1	-	-	22.0	1	-	-
4	110.0	1	-	-	19.0	1	-	-

1967 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.8	4	-	70- 84	8.6	4	-	6.0-10.5
2	93.5	2	-	93- 94	14.5	2	-	14.0-15.0

1967 - December

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	119.0	1	-	-	31.0	1	-	-

1968 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.5	11	4.1	74- 87	9.9	11	1.6	7.5-13.0
3	112.5	2	-	112-113	23.0	2	-	22.0-24.0
4	114.0	1	-	-	27.0	1	-	-

1968 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	81.7	16	3.5	75- 87	9.6	16	1.6	7.0-12.0
2	101.0	1	-	-	19.0	1	-	-
3	109.5	2	-	105-114	22.5	2	-	18.0-27.0

1969 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.3	7	-	70- 87	8.9	7	-	7.0-13.0
2	96.5	4	-	91-105	15.3	4	-	12.0-20.0
3	101.0	1	-	-	19.0	1	-	-
4	115.0	1	-	-	32.0	1	-	-

1969 -March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.2	10	2.3	73- 80	8.6	10	1.7	6.0-11.0
2	94.8	5	-	83-112	14.7	5	-	11.0-18.0
3	106.3	4	-	100-114	21.8	4	-	18.0-25.0
4	115.0	3	-	112-119	28.0	3	-	25.0-33.0

1970 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	84.5	2	-	84- 85	12.5	2	-	12.0-13.0
3	109.8	4	-	107-113	20.5	4	-	15.0-25.0

1970 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.0	4	-	72- 84	10.5	4	-	7.0-13.0
3	111.3	3	-	108-115	23.3	3	-	21.0-26.0
4	115.5	2	-	114-117	29.0	2	-	29.0-29.0

1970 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.5	2	-	74- 77	9.5	2	-	8.0-11.0
2	98.5	4	-	93-105	16.8	4	-	14.0-21.0
3	110.5	2	-	110-111	24.0	2	-	23.0-25.0
4	118.0	1	-	-	29.0	1	-	-

1970 - June

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	85.3	3	-	81- 89	12.7	3	-	11.0-14.0
2	102.0	3	-	100-104	20.0	3	-	19.0-21.0
3	117.0	3	-	114-122	26.0	3	-	24.0-27.0

1971 - March

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	77.3	3	-	73- 80	8.3	3	-	6.0-10.0
2	94.2	5	-	88-100	14.8	5	-	12.0-17.0
3	99.0	2	-	98-100	19.5	2	-	19.0-20.0
4	120.0	3	-	107-128	22.7	3	-	21.0-25.0

1971 - April

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
1	82.5	2	-	79- 86	11.5	2	-	11.0-12.0
2	92.3	3	-	90- 94	16.0	3	-	14.0-19.0
3	106.0	1	-	-	22.0	1	-	-
4	114.2	5	-	110-119	27.0	5	-	21.0-30.0

1971 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	81.4	15	2.9	77- 87	11.0	15	1.3	9.5-13.0
2	97.7	9	-	88-103	16.4	9	-	13.0-19.0
3	107.0	3	-	102-110	23.0	3	-	21.0-24.0
4	118.0	2	-	111-125	31.5	2	-	27.0-36.0

1972 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	79.5	2	-	75- 84	9.0	2	-	8.0-10.0
2	88.0	1	-	-	13.0	1	-	-
4	115.5	2	-	102-129	28.5	2	-	23.0-34.0

1972 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	100.0	1	-	-	17.0	1	-	-
3	109.0	2	-	106-112	22.0	2	-	20.0-24.0
4	114.0	1	-	-	24.0	1	-	-
5	127.0	1	-	-	33.0	1	-	-

1972 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	82.0	1	-	-	9.0	1	-	-
2	100.5	4	-	98-105	16.0	4	-	15.0-17.0
3	106.1	7	-	99-114	20.6	7	-	18.0-25.0
4	117.5	2	-	114-121	26.5	2	-	26.0-27.0
6	140.0	1	-	-	42.0	1	-	-

Table 10.2.4
Monthly mean length and weight of male fur seals collected by the United States off British Columbia.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10).

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	91.0	1	-	-	15.0	1	-	-

1960 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	91.0	1	-	-	13.0	1	-	-

1961 - January

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.6	5	-	69- 82	9.8	5	-	7.5-14.0

1961 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.0	1	-	-	9.0	1	-	-
2	93.0	1	-	-	15.0	1	-	-
3	99.0	1	-	-	23.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.8	8	-	64- 83	9.8	8	-	6.0-13.0

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	125.0	1	-	-	32.0	1	-	-

Table 10.2.5
Monthly mean length and weight of male fur seals collected by the United States in the Gulf of Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - February

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	73.4	12	3.3	69- 79	22.2	12	43.4	8.0-160.0

1958 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	79.0	2	-	76- 82	10.0	2	-	7.5- 12.5

1958 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.5	2	-	75- 78	8.3	2	-	7.5- 9.0
2	92.0	1	-	-	16.0	1	-	-
3	103.4	9	-	98-110	20.2	9	-	16.0- 23.0
4	112.3	3	-	101-120	26.7	3	-	24.0- 29.0
5	131.0	1	-	-	45.0	1	-	-
6	149.3	3	-	145-155	58.7	3	-	51.0- 70.0
7	148.8	6	-	142-155	66.3	6	-	52.5- 75.0
8	167.8	5	-	164-174	84.9	5	-	67.5- 99.5
9	164.0	3	-	148-184	90.8	3	-	80.0- 97.5
10	180.0	2	-	174-186	100.0	2	-	85.0-115.0
11	192.5	2	-	190-195	147.5	2	-	126.0-169.0
14	192.0	1	-	-	120.0	1	-	-

1958 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	84.0	4	-	77- 92	11.1	4	-	9.5- 14.0
3	108.6	33	5.0	99-121	23.8	33	3.5	15.5- 33.0
4	116.5	15	3.9	109-122	28.8	15	3.3	23.5- 35.0
5	127.0	1	-	-	37.5	1	-	-
6	143.0	1	-	-	52.0	1	-	-
7	149.1	10	10.4	129-161	71.2	10	18.1	51.5-115.0
8	158.7	9	-	150-173	78.4	9	-	65.0- 95.0
9	171.3	4	-	148-196	109.2	4	-	67.5-160.0
10	166.0	1	-	-	97.5	1	-	-
11	192.0	1	-	-	140.5	1	-	-
13	170.0	1	-	-	106.0	1	-	-

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	111.2	5	-	100-124	26.3	5	-	24.0-28.0
4	122.0	1	-	-	36.0	1	-	-
6	148.0	1	-	-	76.0	1	-	-

1960 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	77.1	20	3.8	71- 86	11.8	20	1.4	10.0-15.0
3	101.5	2	-	97-106	20.5	2	-	17.0-24.0

1960 - April

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	75.7	3	-	69- 81	10.3	3	-	9.0-12.0
2	96.0	5	-	94-102	18.1	5	-	13.0-26.0
3	104.8	4	-	103-108	26.0	4	-	24.0-29.0
4	125.0	1	-	-	39.0	1	-	-
5	132.0	2	-	125-139	43.0	2	-	39.0-47.0
6	147.0	1	-	-	50.0	1	-	-
8	164.3	3	-	160-170	82.3	3	-	70.0-97.0
10	165.0	1	-	-	97.0	1	-	-
11	173.0	1	-	-	101.0	1	-	-

1960 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	78.7	3	-	78- 79	10.2	3	-	8.5-12.0
2	96.4	5	-	87-102	17.6	5	-	15.0-21.0
3	108.9	12	4.4	102-114	22.7	12	2.5	19.0-27.0

1960 - May (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
4	116.2	4	-	110-122	31.0	4	-	29.0-35.0
5	128.0	1	-	-	39.0	1	-	-
7	139.0	1	-	-	51.0	1	-	-
8	161.5	2	-	160-163	72.5	2	-	70.0-75.0
9	159.5	2	-	159-160	75.0	2	-	55.0-95.0
10	173.0	1	-	-	97.0	1	-	-

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
9	175.0	1	-	-	127.0	1	-	-
11	161.0	1	-	-	65.0	1	-	-

1961 - March

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	76.5	4	-	75- 78	9.3	4	-	9.0-10.0

1962 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	98.0	1	-	-	21.0	1	-	-

1968 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	90.5	2	-	89- 92	14.5	2	-	13.0-16.0
2	98.0	8	-	94-101	17.3	8	-	16.0-19.0
3	111.7	9	-	99-117	24.6	9	-	17.0-30.0
4	120.6	5	-	109-127	29.1	5	-	20.5-32.5
5	122.0	2	-	118-126	35.5	2	-	35.0-36.0
6	149.0	1	-	-	61.0	1	-	-
11	189.0	1	-	-	207.0	1	-	-

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	116.0	1	-	-	25.0	1	-	-

Table 10.2.6
Monthly mean length and weight of male fur seals collected by the United States off Western Alaska.
($\bar{x}$ = mean, n = sample size, s = standard deviation for n $\geq$ 10)

1958 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	89.0	1	-	-	13.5	1	-	-
3	108.2	9	-	98-119	26.2	9	-	20.0-32.5
4	107.0	1	-	-	31.0	1	-	-
6	150.0	1	-	-	74.0	1	-	-
7	160.0	2	-	152-168	77.3	2	-	73.5-81.0

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	78.0	1	-	-	10.0	1	-	
2	95.3	4	-	92- 99	16.0	4	-	15.0- 18.0
3	111.1	8	-	107-118	25.6	8	-	20.0- 35.0
4	126.0	2	-	124-128	34.0	2	-	32.0- 36.0
5	128.0	4	-	120-137	38.5	4	-	35.0- 45.0
6	141.0	1	-	-	70.0	1	-	-
7	149.5	2	-	146-153	77.0	2	-	74.0- 80.0
9	180.3	3	-	175-188	137.7	3	-	125.0-158.0
10	173.5	2	-	170-177	131.0	2	-	125.0-137.0
13	208.0	1	-	-	188.0	1	-	-

1962 - May

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	101.0	1	-	-	19.5	1	-	-
5	107.0	1	-	-	23.0	1	-	-
7	143.0	1	-	-	55.0	1	-	-

1962 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	80.0	1	-	-	11.0	1	-	-
2	96.5	2	-	95- 98	15.5	2	-	15.0- 16.0
3	106.1	12	4.5	99-113	23.3	12	2.8	18.0- 28.0
4	113.5	4	-	110-116	27.0	4	-	25.0- 31.0
5	134.0	2	-	129-139	48.5	2	-	40.0- 57.0
9	174.0	1	-	-	120.0	1	-	-

1962 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	114.0	1	-	-	29.0	1	-	-

1962 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	100.0	1	-	-	20.5	1	-	-
2	102.8	4	-	99-104	20.3	4	-	17.0-22.0
3	112.0	1	-	-	28.0	1	-	-
10	164.0	1	-	-	93.0	1	-	-
12	174.0	1	-	-	100.0	1	-	-

1962 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	105.5	2	-	103-108	18.0	2	-	16.0-20.0

1968 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	105.0	1	-	-	19.0	1	-	-
3	114.8	11	5.1	107-122	25.8	11	3.0	19.0-31.0
4	128.5	2	-	124-133	40.0	2	-	37.0-43.0
5	133.7	3	-	129-138	44.3	3	-	36.0-49.0
7	161.0	2	-	158-164	79.5	2	-	74.0-85.0
10	184.0	1	-	-	158.0	1	-	-
11	200.0	1	-	-	213.0	1	-	-
13	186.0	1	-	-	185.0	1	-	-

1968 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	101.3	3	-	98-104	20.3	3	-	18.0-24.0
3	115.0	1	-	-	29.0	1	-	-

Table 10.2.7
Monthly mean length and weight of male fur seals collected by the United States in the Eastern Bering Sea.
($\bar{x}$ = mean, n = sample size, s = standard deviation for $n > 10$)

1960 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	103.5	4	-	98-107	20.4	4	-	18.0-24.0
3	111.3	6	-	109-114	27.1	6	-	24.0-34.0
4	122.0	1	-	-	35.0	1	-	-
5	126.0	1	-	-	38.0	1	-	-
6	141.0	1	-	-	45.0	1	-	-
9	176.0	2	-	174-178	115.5	2	-	86.0-145.0

1960 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	83.0	1	-	-	11.0	1	-	-
2	100.5	10	5.6	93-111	18.2	10	3.2	11.0-23.0
3	113.5	13	3.3	108-118	26.5	13	2.5	22.0-31.0
4	121.7	3	-	115-128	32.5	3	-	24.0-38.5
5	129.0	1	-	-	38.0	1	-	
6	147.8	5	-	139-159	58.3	5	-	26.5-90.0
7	156.3	4	-	153-161	73.5	4	-	71.0-76.0
10	192.0	1	-	-	120.0	1	-	-

1960 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
3	105.3	7	-	97-126	21.1	7	-	14.5- 34.0
4	121.0	1	-	-	30.0	1	-	-
6	134.0	1	-	-	40.0	1	-	-
11	189.0	1	-	-	111.0	1	-	-

1962 - June

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	100.5	2	-	99-102	18.5	2	-	18.0- 19.0
3	109.7	3	-	104-113	21.7	3	-	21.0- 23.0
4	118.5	4	-	110-125	30.0	4	-	27.0- 32.0
6	157.5	2	-	155-160	76.5	2	-	73.0- 80.0
7	141.0	1	-	-	66.0	1	-	-

1962 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	101.0	1	-	-	17.5	1	-	-
3	113.1	12	5.7	104-127	30.5	12	3.8	25.0- 38.0
4	121.1	8	-	112-131	36.0	8	-	30.0- 44.5
5	129.5	2	-	122-137	41.0	2	-	41.0- 41.0
6	138.0	1	-	-	51.0	1	-	-
7	163.3	4	-	154-175	93.5	4	-	81.0-107.0
8	165.5	2	-	157-174	91.0	2	-	82.0-100.0
9	178.0	1	-	-	98.5	1	-	-
10	180.5	2	-	175-186	118.8	2	-	98.5-139.0
11	184.0	1	-	-	126.0	1	-	-
12	190.0	2	-	185-195	179.3	2	-	137.5-221.0

1962 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	103.5	8	-	93-112	20.5	8	-	13.0- 27.0
3	113.3	4	-	111-118	26.6	5	-	22.0- 31.0
4	122.5	2	-	121-124	33.5	2	-	32.0- 35.0
6	141.0	1	-	-	60.0	1	-	-
7	152.7	3	-	140-168	62.5	3	-	51.0- 76.5
8	154.3	4	-	144-161	76.6	4	-	62.5- 88.0
9	178.5	2	-	176-181	107.5	2	-	105.0-110.0
10	169.0	1	-	-	80.0	1	-	-
11	179.5	2	-	179-180	100.5	2	-	96.0-105.0
12	188.0	1	-	-	122.5	1	-	-
13	185.0	2	-	183-187	115.0	2	-	112.0-118.0
14	176.0	1	-	-	92.0	1	-	-

1962 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	98.0	1	-	-	16.0	1	-	-
2	105.9	9	-	101-114	22.3	9	-	18.5- 28.0
3	111.0	1	-	-	23.0	1	-	-
5	150.0	1	-	-	70.0	1	-	-
6	145.0	1	-	-	52.5	1	-	-
7	150.0	1	-	-	55.0	1	-	-
8	162.0	1	-	-	64.0	1	-	-

1963 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	102.0	1	-	-	22.0	1	-	
2	105.5	6	-	102-111	21.3	6	-	19.0- 27.0
3	112.7	18	5.8	98-119	28.3	18	4.5	18.0- 36.0
4	119.4	10	2.7	116-124	32.6	10	2.3	29.0- 36.0
5	133.5	11	6.3	122-142	46.3	11	5.6	40.0- 57.0
6	147.0	2	-	144-150	62.0	2	-	60.0- 64.0

1963 - July (Continued)

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
7	185.0	3	-	158-224	102.0	3	-	68.0-128.0
8	159.5	2	-	153-166	87.5	2	-	70.0-105.0
9	172.0	1	-	-	90.0	1	-	-
12	197.0	1	-	-	95.0	1	-	-
15	194.0	1	-	-	155.0	1	-	-

1963 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	97.0	2	-	90-104	17.0	2	-	15.0- 19.0
2	104.2	26	4.5	95-112	21.5	26	3.6	16.0- 29.0
3	113.0	7	-	108-118	26.9	7	-	21.0- 32.0
4	121.0	4	-	116-126	32.5	4	-	30.0- 38.0
5	144.7	4	-	137-150	59.0	4	-	52.0- 70.0
7	149.0	1	-	-	70.0	1	-	-
8	170.7	3	-	165-180	104.7	3	-	100.0-109.0
9	175.0	1	-	-	106.0	1	-	-
11	184.0	1	-	-	128.0	1	-	-
12	198.0	1	-	-	135.0	1	-	-
14	196.0	1	-	-	110.0	1	-	-

1963 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	99.0	1	-	-	20.0	1	-	-
2	101.0	2	-	100-102	18.3	2	-	15.5- 21.0
3	103.0	1	-	-	20.0	1	-	-

1964 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	106.0	2	-	106-106	22.5	2	-	19.0-26.0
3	111.6	16	5.5	101-118	24.7	16	3.9	19.0-33.0
4	124.0	3	-	114-132	35.0	3	-	27.0-41.0

1964 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	106.6	8	-	101-114	20.4	8	-	15.0-29.0
3	113.3	4	-	112-115	27.3	4	-	20.0-33.0
4	109.0	2	-	99-119	22.5	2	-	20.0-25.0
5	141.0	4	-	138-145	48.8	4	-	40.0-58.0
7	160.0	1	-	-	77.0	1	-	-

1964 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
1	96.0	1	-	-	18.0	1	-	-
2	113.0	2	-	112-114	26.0	2	-	26.0-26.0
3	114.0	2	-	113-115	27.0	2	-	24.0-30.0
8	152.0	1	-	-	64.0	1	-	-
9	164.0	1	-	-	65.0	1	-	-

1968 - July

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	104.7	3	-	100-109	20.3	3	-	19.5- 22.0
3	113.7	12	5.5	108-126	28.1	12	3.1	22.0- 35.0
4	121.7	3	-	116-125	35.5	3	-	30.5- 39.0
5	135.0	1	-	-	53.0	1	-	-
7	177.0	1	-	-	98.0	1	-	-
9	126.0	1	-	-	39.0	1	-	-
10	178.0	1	-	-	105.0	1	-	-

1968 - August

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	105.8	5	-	100-109	22.1	5	-	20.0- 25.0
3	117.7	3	-	114-120	32.7	3	-	30.0- 36.0
4	116.0	1	-	-	30.0	1	-	-
9	176.5	2	-	175-178	101.3	2	-	93.5-109.0
15	190.0	1	-	-	137.0	1	-	-
16	179.0	1	-	-	107.0	1	-	-
17	191.0	1	-	-	145.0	1	-	-

1973 - July

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	104.3	3	-	101-108	21.0	3	-	19.0- 24.0
3	113.6	7	-	99-124	26.7	7	-	20.0- 38.0
4	123.4	5	-	121-128	34.4	5	-	26.0- 43.0
7	146.0	1	-	-	65.0	1	-	-

1973 - August

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	106.7	12	4.0	100-116	22.3	12	2.0	19.0- 25.0
3	111.9	15	5.9	102-122	25.4	14	7.1	18.0- 41.0
4	123.7	9	-	110-132	31.9	9	-	21.0- 44.0
6	141.0	1	-	-	65.0	1	-	-
8	166.0	2	-	165-167	105.0	2	-	85.0-125.0

1973 - September

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	105.5	4	-	102-111	21.5	4	-	17.0- 27.0
3	116.3	10	4.6	111-124	31.9	10	6.8	21.0- 41.0
4	121.3	4	-	105-128	36.5	4	-	21.0- 50.0
8	181.0	1	-	-	135.0	1	-	-

1974 - July

Age	Length (cm) $\bar{x}$	n	s	Range	Weight (kg) $\bar{x}$	n	s	Range
2	104.0	1	-	-	22.0	1	-	-
3	116.8	5	-	109-127	32.7	5	-	25.0- 48.0
4	125.2	8	-	121-131	37.5	8	-	30.0- 47.0
5	132.0	3	-	125-137	46.8	3	-	42.5- 52.0
6	122.0	1	-	-	42.0	1	-	-

1974 - August

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	105.1	15	4.9	97-114	23.6	15	4.4	16.0-29.0
3	114.7	4	-	102-121	26.5	4	-	17.0-34.0
4	124.5	4	-	120-133	34.3	4	-	28.0-44.0
5	133.0	4	-	125-139	45.0	4	-	37.0-54.0
6	129.0	1	-	-	45.0	1	-	-
7	154.7	3	-	151-160	70.7	3	-	56.0-97.0

1974 - September

Age	Length (cm)				Weight (kg)			
	$\bar{x}$	n	s	Range	$\bar{x}$	n	s	Range
2	111.5	2	-	110-113	22.5	2	-	20.0-25.0
3	115.0	1	-	-	31.0	1	-	-
4	126.0	1	-	-	44.0	1	-	-

Stomach Contents

Tables 11.1 and 11.2 give the data on fur seal stomach contents. Also tabulated are the numbers of stomachs for each area-month sample with and without food, and with a trace as defined previously (see "LABORATORY METHODS").

Each prey species' percentage volume is relative to the total volume of all species in all stomachs. Each percentage frequency, however, is the indicated number of stomachs in which a species was found, and percentages are of the total number of stomachs with and without food (stomachs with a trace are included in the stomachs with food). The latter percentages may sum to (considerably) more or less than 100%, of course, but are believed to reflect the feeding situation more reliably than some of the other frequency measures in common use (e.g., "frequency of occurrence" accounts for the numbers of specimens of the various prey species in stomachs with food, but not for their distribution among the seals).

Table 11.1
Stomach contents of fur seals collected by Canada.

California - 1965

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Unidentified	10	3.33	2	50.00
Squid				
Unidentified	290	96.67	2	50.00
Stomachs with food			2	
Stomachs with trace			1	
Stomachs without food			2	

Oregon - 1965

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Entosphenus tridentatus	0	0.00	1	4.35	0	0.00	0	0.00
Merluccius productus	2520	98.98	2	8.70	0	0.00	0	0.00
Unidentified	10	0.39	3	13.04	10	100.00	1	50.00
Squid								
Unidentified	0	0.00	9	39.13	0	0.00	0	0.00
Onychoteuthis borealijaponicus	11	0.43	8	34.78	0	0.00	1	50.00
Abraliopsis sp.	0	0.00	2	8.70	0	0.00	0	0.00

Oregon - 1965 (Continued)

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Berryteuthis magister	5	0.20	7	30.43	0	0.00	0	0.00
Chiroteuthidae	0	0.00	1	4.35	0	0.00	0	0.00
Stomachs with food			14				1	
Stomachs with trace			7				0	
Stomachs without food			9				1	

Washington - 1958

Food Items	February Volume cc	February Volume %	February Frequency no	February Frequency %	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish								
Hydrolagus colliei	414	70.29	1	7.69	0	0.00	0	0.00
Clupea harengus pallasi	39	6.62	2	15.38	4108	18.12	13	15.66
Osmeridae	3	0.51	1	7.69	0	0.00	0	0.00
Thaleichthys pacificus	0	0.00	0	0.00	884	3.90	2	2.41
Cololabis saira	0	0.00	0	0.00	1005	4.43	2	2.41
Merluccius productus	129	21.90	1	7.69	0	0.00	0	0.00
Sebastes spp.	0	0.00	0	0.00	14171	62.50	10	12.05
Anoplopoma fimbria	0	0.00	0	0.00	251	1.11	3	3.61
Unidentified	4	0.68	2	15.38	880	3.88	14	16.87
Squid								
Unidentified	0	0.00	0	0.00	1016	4.48	14	16.87
Loligo opalescens	0	0.00	0	0.00	359	1.58	1	1.20
Miscellaneous								
Pebbles, gravel, sand	0	0.00	0	0.00	0	0.00	1	1.20
Stomachs with food			5				40	
Stomachs with trace			2				4	
Stomachs without food			8				43	

Washington - 1958

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Clupea harengus pallasi	433	22.11	1	7.14	7620	73.67	20	21.51
Cololabis saira	72	3.68	1	7.14	233	2.25	4	4.30
Gasterosteus aculeatus	852	43.51	3	21.43	0	0.00	0	0.00
Trachipterus altivelis	0	0.00	0	0.00	112	1.08	1	1.08
Brama japonica	0	0.00	0	0.00	684	6.61	1	1.08
Sebastes spp.	0	0.00	0	0.00	112	1.08	1	1.08
Anoplopoma fimbria	219	11.18	2	14.29	0	0.00	0	0.00
Tetragonurus cuvieri	0	0.00	0	0.00	912	8.82	1	1.08
Unidentified	365	18.64	3	21.43	265	2.56	6	6.45
Squid								
Unidentified	13	0.66	3	21.43	390	3.77	2	2.15
Loligo opalescens	4	0.20	1	7.14	15	0.15	1	1.08
Miscellaneous								
Pebbles,gravel,sand	0	0.00	1	7.14	0	0.00	1	1.08
Organic material	0	0.00	3	21.43	0	0.00	1	1.08
Stomachs with food			7				26	
Stomachs with trace			1				4	
Stomachs without food			7				67	

Washington - 1959

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Alosa sapidissima	43	0.32	1	1.33	1576	5.53	6	4.51
Clupea harengus pallasi	2360	17.62	8	10.67	4851	17.02	15	11.28
Engraulis mordax	0	0.00	0	0.00	144	0.51	1	0.75
Oncorhynchus spp.	207	1.55	3	4.00	4753	16.68	9	6.77
Salmo gairdneri	1575	11.76	1	1.33	0	0.00	0	0.00

Washington - 1959 (Continued)

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Osmeridae	310	2.31	1	1.33	1087	3.81	5	3.76
Myctophidae	427	3.19	3	4.00	0	0.00	0	0.00
Gasterosteus aculeatus	0	0.00	0	0.00	1318	4.62	3	2.26
Sebastes spp.	2768	20.67	2	2.67	9739	34.17	14	10.53
Anoplopoma fimbria	0	0.00	0	0.00	3621	12.70	9	6.77
Unidentified	0	0.00	3	4.00	328	1.15	18	13.53
Squid								
Unidentified	235	1.75	8	10.67	275	0.96	12	9.02
Loligo opalescens	5467	40.82	5	6.67	0	0.00	0	0.00
Miscellaneous								
Birds	0	0.00	0	0.00	810	2.84	2	1.50
Organic material	0	0.00	0	0.00	0	0.00	1	0.75
Stomachs with food			20				64	
Stomachs with trace			3				14	
Stomachs without food			55				69	

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Alosa sapidissima	606	4.59	1	1.33
Clupea harengus pallasi	2960	22.43	14	18.67
Oncorhynchus spp.	1081	8.19	3	4.00
Oncorhynchus kisutch	2210	16.74	1	1.33
Oncorhynchus tshawytscha	3550	26.90	1	1.33
Osmeridae	181	1.37	4	5.33
Merluccius productus	95	0.72	1	1.33
Theragra chalcogramma	258	1.95	1	1.33
Anoplopoma fimbria	1696	12.85	5	6.67

Washington - 1959 (Continued)

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Atheresthes stomias	94	0.71	1	1.33
Unidentified	32	0.24	16	21.33
Squid				
Unidentified	273	2.07	17	22.67
Loligo opalescens	156	1.18	2	2.67
Miscellaneous				
Pebbles,gravel,sand	0	0.00	2	2.67
Organic material	0	0.00	1	1.33
Crustacea	6	0.05	1	1.33
Stomachs with food		42		
Stomachs with trace		17		
Stomachs without food		33		

Washington - 1960

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	259	1.10	3	2.59	0	0.00	0	0.00
Clupeidae	53	0.23	2	1.72	0	0.00	0	0.00
Alosa sapidissima	717	3.05	1	0.86	205	0.42	2	1.08
Clupea harengus pallasi	5058	21.54	12	10.34	1490	3.07	12	6.45
Engraulis mordax	1227	5.22	3	2.59	2828	5.82	5	2.69
Oncorhynchus spp.	0	0.00	0	0.00	1104	2.27	2	1.08
Osmeridae	0	0.00	0	0.00	18	0.04	1	0.54
Mallotus villosus	990	4.22	2	1.72	2357	4.85	4	2.15
Merluccius productus	0	0.00	0	0.00	370	0.76	3	1.61
Theragra chalcogramma	0	0.00	0	0.00	75	0.15	1	0.54
Gasterosteus aculeatus	0	0.00	0	0.00	720	1.48	5	2.69

Washington - 1960 (Continued)

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Sebastes spp.	13321	56.72	18	15.52	16820	34.60	35	18.82
Ammodytes hexapterus	0	0.00	0	0.00	10422	21.44	14	7.53
Pleuronectidae	0	0.00	0	0.00	23	0.05	3	1.61
Unidentified	277	1.18	20	17.24	185	0.38	33	17.74
Squid								
Unidentified	208	0.89	15	12.93	538	1.11	27	14.52
Loligo opalescens	1375	5.85	4	3.45	11458	23.57	10	5.38
Miscellaneous								
Pebbles,gravel,sand	0	0.00	1	0.86	0	0.00	0	0.00
Mollusca	0	0.00	0	0.00	0	0.00	1	0.54
Stomachs with food		59				111		
Stomachs with trace		18				27		
Stomachs without food		57				75		

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Hydrolagus colliei	0	0.00	1	0.62
Clupeidae	120	0.67	2	1.24
Alosa sapidissima	449	2.49	1	0.62
Clupea harengus pallasi	10473	58.07	35	21.74
Oncorhynchus spp.	1701	9.43	4	2.48
Thaleichthys pacificus	11	0.06	1	0.62
Theragra chalcogramma	167	0.93	2	1.24
Gasterosteus aculeatus	5	0.03	2	1.24
Sebastes spp.	3063	16.98	4	2.48
Ammodytes hexapterus	1861	10.32	7	4.35
Unidentified	76	0.42	23	14.29

Washington - 1961

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Squid								
Unidentified	0	0.00	0	0.00	1	0.00	4	2.50
Loligo opalescens	154	2.55	1	1.56	68	0.33	2	1.25
Miscellaneous								
Pebbles, gravel, sand	0	0.00	0	0.00	0	0.00	2	1.25
Stomachs with food			28				80	
Stomachs with trace			10				24	
Stomachs without food			36				80	

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Entosphenus tridentatus	4	0.03	1	0.83	0	0.00	0	0.00
Clupeidae	11	0.08	1	0.83	0	0.00	0	0.00
Alosa sapidissima	7	0.05	1	0.83	0	0.00	0	0.00
Clupea harengus pallasi	10122	77.47	24	19.83	245	56.32	2	15.38
Oncorhynchus spp.	2277	17.43	9	7.44	0	0.00	0	0.00
Merluccius productus	0	0.00	0	0.00	190	43.68	1	7.69
Sebastes spp.	423	3.24	2	1.65	0	0.00	0	0.00
Pleuronectidae	94	0.72	2	1.65	0	0.00	0	0.00
Unidentified	84	0.64	21	17.36	0	0.00	1	7.69
Squid								
Unidentified	12	0.09	2	1.65	0	0.00	0	0.00
Loligo opalescens	27	0.21	1	0.83	0	0.00	0	0.00
Miscellaneous								
Birds	4	0.03	1	0.83	0	0.00	0	0.00

Washington - 1961 (Continued)

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Stomachs with food			52				4	
Stomachs with trace			15				1	
Stomachs without food			69				9	

Washington - 1962

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Clupeidae	208	24.88	1	3.23	0	0.00	0	0.00
Alosa sapidissima	0	0.00	0	0.00	455	9.04	1	1.06
Clupea harengus pallasi	7	0.84	1	3.23	201	3.99	4	4.26
Engraulis mordax	362	43.30	3	9.68	0	0.00	0	0.00
Oncorhynchus spp.	37	4.43	1	3.23	813	16.15	2	2.13
Osmeridae	0	0.00	0	0.00	130	2.58	1	1.06
Gasterosteus aculeatus	34	4.07	3	9.68	2119	42.10	8	8.51
Sebastes spp.	56	6.70	1	3.23	946	18.80	2	2.13
Unidentified	0	0.00	2	6.45	28	0.56	11	11.70
Squid								
Unidentified	0	0.00	5	16.13	45	0.89	16	17.02
Loligo opalescens	132	15.79	1	3.23	296	5.88	3	3.19
Miscellaneous								
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	1	1.06
Stomachs with food			12				38	
Stomachs with trace			7				13	
Stomachs without food			19				56	

Washington - 1962

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Clupea harengus pallasi	0	0.00	0	0.00	435	98.19	1	50.00
Unidentified	0	0.00	0	0.00	8	1.81	1	50.00
Squid								
Unidentified	0	0.00	1	100.00	0	0.00	0	0.00
Stomachs with food			1				2	
Stomachs with trace			1				0	
Stomachs without food			0				0	

Washington - 1963

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Clupea harengus pallasi	55	6.33	1	12.50	1027	94.39	3	30.00
Oncorhynchus spp.	0	0.00	0	0.00	5	0.46	1	10.00
Gadidae	133	15.30	1	12.50	0	0.00	0	0.00
Anoplopoma fimbria	491	56.50	1	12.50	41	3.77	1	10.00
Unidentified	181	20.83	2	25.00	5	0.46	1	10.00
Squid								
Unidentified	9	1.04	2	25.00	10	0.92	4	40.00
Miscellaneous								
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	1	10.00
Stomachs with food			4				7	
Stomachs with trace			0				1	
Stomachs without food			4				3	

Washington - 1964

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Clupea harengus pallasi	300	55.56	2	12.50	80	1.83	3	25.00
Oncorhynchus spp.	0	0.00	0	0.00	85	1.95	1	8.33
Cololabis saira	10	1.85	1	6.25	85	1.95	1	8.33
Hexagrammidae	0	0.00	0	0.00	980	22.43	1	8.33
Squid								
Unidentified	230	42.59	2	12.50	10	0.23	1	8.33
Onychoteuthis borealijaponicus	0	0.00	0	0.00	2428	55.56	3	25.00
Gonatus sp.	0	0.00	0	0.00	5	0.11	1	8.33
Berryteuthis magister	0	0.00	0	0.00	697	15.95	8	66.67
Miscellaneous								
Pebbles, gravel, sand	0	0.00	1	6.25	0	0.00	0	0.00
Stomachs with food		3				10		
Stomachs with trace		0				0		
Stomachs without food		13				2		

Washington - 1965

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish				
Unidentified	10	100.00	1	7.69
Stomachs with food		1		
Stomachs with trace		0		
Stomachs without food		12		

Washington - 1966

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	70	0.32	1	0.67	0	0.00	0	0.00
Clupea harengus pallasi	3553	16.42	10	6.67	390	5.26	2	2.99
Engraulis mordax	7280	33.65	17	11.33	0	0.00	0	0.00
Oncorhynchus spp.	750	3.47	2	1.33	2110	28.48	5	7.46
Thaleichthys pacificus	0	0.00	0	0.00	840	11.34	5	7.46
Myctophidae	18	0.08	1	0.67	0	0.00	0	0.00
Cololabis saira	0	0.00	0	0.00	100	1.35	1	1.49
Gasterosteus aculeatus	3061	14.15	15	10.00	0	0.00	0	0.00
Sebastes spp.	4180	19.32	3	2.00	1055	14.24	5	7.46
Ammodytes hexapterus	1460	6.75	2	1.33	0	0.00	0	0.00
Atheresthes stomias	905	4.18	1	0.67	0	0.00	0	0.00
Unidentified	10	0.05	1	0.67	161	2.17	2	2.99
Squid								
Unidentified	9	0.04	6	4.00	86	1.16	15	22.39
Onychoteuthis borealijaponicus	120	0.55	3	2.00	1011	13.65	10	14.93
Abraliopsis sp.	0	0.00	0	0.00	0	0.00	1	1.49
Octopoteuthis sp.	0	0.00	0	0.00	22	0.30	1	1.49
Gonatus sp.	0	0.00	0	0.00	10	0.13	2	2.99
Berryteuthis magister	194	0.90	4	2.67	1623	21.91	22	32.84
Miscellaneous								
Birds	0	0.00	1	0.67	0	0.00	0	0.00
Unidentified invertebratees	25	0.12	1	0.67	0	0.00	0	0.00
Amphipoda	0	0.00	1	0.67	0	0.00	0	0.00
Stomachs with food			47				38	
Stomachs with trace			1				9	
Stomachs without food			103				29	

Washington - 1967

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	0	0.00	0	0.00	0	0.00	1	1.89
Engraulis mordax	0	0.00	0	0.00	480	13.20	1	1.89
Oncorhynchus spp.	0	0.00	0	0.00	1700	46.77	3	5.66
Mallotus villosus	35	7.51	1	10.00	190	5.23	1	1.89
Sebastes spp.	0	0.00	0	0.00	1265	34.80	3	5.66
Unidentified	0	0.00	1	10.00	0	0.00	1	1.89
Squid								
Unidentified	431	92.49	2	20.00	0	0.00	4	7.55
Onychoteuthis borealijaponicus	0	0.00	1	10.00	0	0.00	4	7.55
Gonatidae	0	0.00	0	0.00	0	0.00	1	1.89
Gonatus sp.	0	0.00	1	10.00	0	0.00	0	0.00
Berryteuthis magister	0	0.00	1	10.00	0	0.00	4	7.55
Stomachs with food			4				15	
Stomachs with trace			2				8	
Stomachs without food			6				38	

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Clupea harengus pallasi	531	11.18	2	5.41
Oncorhynchus spp.	2320	48.86	5	13.51
Cololabis saira	5	0.11	1	2.70
Merluccius productus	400	8.42	1	2.70
Anoplopoma fimbria	480	10.11	2	5.41
Unidentified	900	18.96	4	10.81

Washington - 1967 (Continued)

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Squid				
Unidentified	0	0.00	1	2.70
Loligo opalescens	0	0.00	1	2.70
Onychoteuthis borealijaponicus	52	1.10	2	5.41
Berryteuthis magister	60	1.26	4	10.81
Stomachs with food			15	
Stomachs with trace			1	
Stomachs without food			22	

Washington - 1968

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	0	0.00	0	0.00	315	1.56	6	3.70
Clupea harengus pallasi	0	0.00	0	0.00	3680	18.27	4	2.47
Engraulis mordax	0	0.00	0	0.00	1785	8.86	2	1.23
Oncorhynchus spp.	4425	78.18	4	7.69	9422	46.79	32	19.75
Mallotus villosus	450	7.95	1	1.92	845	4.20	7	4.32
Thaleichthys pacificus	0	0.00	0	0.00	525	2.61	6	3.70
Merluccius productus	270	4.77	1	1.92	0	0.00	0	0.00
Gasterosteus aculeatus	515	9.10	8	15.38	1860	9.24	9	5.56
Sebastes spp.	0	0.00	0	0.00	850	4.22	7	4.32
Anoplopoma fimbria	0	0.00	0	0.00	730	3.63	3	1.85
Unidentified	0	0.00	4	7.69	0	0.00	1	0.62
Squid								
Unidentified	0	0.00	1	1.92	25	0.12	7	4.32
Loligo opalescens	0	0.00	2	3.85	35	0.17	5	3.09
Onychoteuthis borealijaponicus	0	0.00	0	0.00	0	0.00	2	1.23

Washington - 1968 (Continued)

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Gonatus sp.	0	0.00	0	0.00	0	0.00	1	0.62
Berryteuthis magister	0	0.00	0	0.00	65	0.32	8	4.94
Miscellaneous								
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	2	1.23
Unidentified invertebratees	0	0.00	0	0.00	0	0.00	1	0.62
Stomachs with food		20				70		
Stomachs with trace		7				5		
Stomachs without food		32				92		

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Clupea harengus pallasi	655	17.97	3	12.00
Oncorhynchus spp.	800	21.95	5	20.00
Sebastes spp.	250	6.86	1	4.00
Anoplopoma fimbria	1860	51.03	1	4.00
Squid				
Gonatus sp.	0	0.00	1	4.00
Berryteuthis magister	80	2.19	1	4.00
Stomachs with food		9		
Stomachs with trace		1		
Stomachs without food		16		

Washington - 1969

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Entosphenus tridentatus	0	0.00	0	0.00	30	0.14	2	1.25
Clupea harengus pallasi	6722	29.29	16	12.31	8322	37.48	17	10.63
Engraulis mordax	0	0.00	0	0.00	3224	14.52	6	3.75
Oncorhynchus spp.	7120	31.03	7	5.38	1455	6.55	3	1.88
Mallotus villosus	0	0.00	0	0.00	180	0.81	2	1.25
Thaleichthys pacificus	699	3.05	5	3.85	0	0.00	0	0.00
Cololabis saira	0	0.00	0	0.00	10	0.05	1	0.63
Theragra chalcogramma	0	0.00	0	0.00	640	2.88	1	0.63
Sebastes spp.	5459	23.79	4	3.08	0	0.00	0	0.00
Ammodytes hexapterus	2648	11.54	3	2.31	0	0.00	0	0.00
Unidentified	0	0.00	0	0.00	100	0.45	3	1.88
Squid								
Unidentified	0	0.00	6	4.62	397	1.79	21	13.13
Loligo opalescens	0	0.00	26	20.00	49	0.22	10	6.25
Onychoteuthis borealijaponicus	300	1.31	12	9.23	4875	21.96	46	28.75
Abraliopsis sp.	0	0.00	3	2.31	397	1.79	22	13.75
Gonatus sp.	0	0.00	4	3.08	0	0.00	1	0.63
Berryteuthis magister	0	0.00	9	6.92	2524	11.37	41	25.63
Chiroteuthidae	0	0.00	2	1.54	0	0.00	4	2.50
Miscellaneous								
Pebbles, gravel, sand	0	0.00	2	1.54	0	0.00	2	1.25
Unidentified invertebratees	0	0.00	0	0.00	0	0.00	1	0.63
Gastropoda	0	0.00	0	0.00	0	0.00	2	1.25
Stomachs with food		60				87		
Stomachs with trace		27				42		
Stomachs without food		70				73		

Washington - 1970

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Clupea harengus pallasi	6102	38.10	15	22.06	1741	21.24	2	4.88
Oncorhynchus spp.	2541	15.87	6	8.82	2602	31.74	3	7.32
Mallotus villosus	0	0.00	0	0.00	2137	26.07	4	9.76
Merluccius productus	0	0.00	0	0.00	180	2.20	1	2.44
Gasterosteus aculeatus	0	0.00	0	0.00	391	4.77	2	4.88
Sebastes spp.	0	0.00	0	0.00	245	2.99	3	7.32
Anoplopoma fimbria	6796	42.44	6	8.82	0	0.00	0	0.00
Unidentified	0	0.00	0	0.00	115	1.40	3	7.32
Squid								
Unidentified	0	0.00	1	1.47	0	0.00	5	12.20
Loligo opalescens	575	3.59	29	42.65	767	9.36	12	29.27
Onychoteuthis borealijaponicus	0	0.00	1	1.47	20	0.24	4	9.76
Abraliopsis sp.	0	0.00	0	0.00	0	0.00	1	2.44
Octopoteuthis sp.	0	0.00	1	1.47	0	0.00	0	0.00
Gonatus sp.	0	0.00	1	1.47	0	0.00	3	7.32
Berryteuthis magister	0	0.00	1	1.47	0	0.00	7	17.07
Chiroteuthidae	0	0.00	0	0.00	0	0.00	2	4.88
Miscellaneous								
Pebbles,gravel,sand	0	0.00	8	11.76	0	0.00	2	4.88
Stomachs with food		35				25		
Stomachs with trace		13				8		
Stomachs without food		33				16		

Washington - 1970

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish				
Clupea harengus pallasi	650	98.48	1	12.50
Sebastes spp.	10	1.52	1	12.50
Stomachs with food			2	
Stomachs with trace			0	
Stomachs without food			6	

Washington - 1971

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Clupea harengus pallasi	16055	85.47	24	26.67	1189	35.60	3	15.00
Oncorhynchus spp.	766	4.08	3	3.33	1002	30.00	3	15.00
Merluccius productus	67	0.36	1	1.11	0	0.00	0	0.00
Anoplopoma fimbria	125	0.67	1	1.11	0	0.00	0	0.00
Squid								
Unidentified	0	0.00	1	1.11	0	0.00	1	5.00
Loligo opalescens	1771	9.43	37	41.11	1149	34.40	11	55.00
Berryteuthis magister	0	0.00	0	0.00	0	0.00	1	5.00
Miscellaneous								
Pebbles,gravel,sand	0	0.00	2	2.22	0	0.00	0	0.00
Stomachs with food			48				14	
Stomachs with trace			20				6	
Stomachs without food			42				6	

Washington - 1971

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Clupea harengus pallasi	0	0.00	0	0.00	2180	100.00	2	20.00
Engraulis mordax	6199	64.02	9	10.47	0	0.00	0	0.00
Oncorhynchus spp.	719	7.43	5	5.81	0	0.00	0	0.00
Mallotus villosus	10	0.10	1	1.16	0	0.00	0	0.00
Sebastes spp.	2750	28.40	3	3.49	0	0.00	0	0.00
Unidentified	0	0.00	1	1.16	0	0.00	0	0.00
Squid								
Unidentified	0	0.00	4	4.65	0	0.00	1	10.00
Loligo opalescens	0	0.00	2	2.33	0	0.00	1	10.00
Onychoteuthis borealijaponicus	0	0.00	3	3.49	0	0.00	0	0.00
Berryteuthis magister	5	0.05	6	6.98	0	0.00	0	0.00
Chiroteuthidae	0	0.00	1	1.16	0	0.00	0	0.00
Miscellaneous								
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	1	10.00
Stomachs with food		26				3		
Stomachs with trace		9				1		
Stomachs without food		60				7		

Food Items	December Volume cc	December Volume %	December Frequency no	December Frequency %
Fish				
Clupea harengus pallasi	1960	86.73	5	20.00
Engraulis mordax	105	4.65	1	4.00
Oncorhynchus spp.	120	5.31	2	8.00
Squid				
Loligo opalescens	75	3.32	2	8.00

Washington - 1971 (Continued)

Food Items	December Volume cc	December Volume %	December Frequency no	December Frequency %
Miscellaneous				
Pebbles,gravel,sand	0	0.00	3	12.00
Stomachs with food			8	
Stomachs with trace			0	
Stomachs without food			17	

Washington - 1972

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Clupea harengus pallasi	8806	70.59	16	27.12	3135	44.22	3	23.08
Engraulis mordax	610	4.89	2	3.39	1050	14.81	1	7.69
Oncorhynchus spp.	1473	11.81	4	6.78	1000	14.10	1	7.69
Mallotus villosus	50	0.40	1	1.69	0	0.00	0	0.00
Sebastes spp.	1400	11.22	1	1.69	1900	26.80	1	7.69
Squid								
Loligo opalescens	135	1.08	3	5.08	5	0.07	1	7.69
Berryteuthis magister	0	0.00	1	1.69	0	0.00	0	0.00
Miscellaneous								
Pebbles,gravel,sand	0	0.00	2	3.39	0	0.00	0	0.00
Stomachs with food			24				6	
Stomachs with trace			1				0	
Stomachs without food			35				7	

Washington - 1972

Food Items	December Volume cc	December Volume %	December Frequency no	December Frequency %
Fish				
Clupea harengus pallasi	1850	100.00	3	100.00
Stomachs with food			3	
Stomachs with trace			0	
Stomachs without food			0	

Washington - 1973

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Clupea harengus pallasi	17450	99.57	14	42.42	0	0.00	0	0.00
Oncorhynchus spp.	65	0.37	2	6.06	0	0.00	0	0.00
Squid								
Loligo opalescens	10	0.06	1	3.03	0	0.00	0	0.00
Stomachs with food			15				0	
Stomachs with trace			1				0	
Stomachs without food			18				9	

Washington - 1973

Food Items	December Volume cc	Volume %	Frequency no	Frequency %
Fish				
Clupea harengus pallasi	800	100.00	1	16.67
Unidentified	0	0.00	3	50.00
Squid				
Loligo opalescens	0	0.00	3	50.00
Miscellaneous				
Pebbles,gravel,sand	0	0.00	2	33.33
Stomachs with food		4		
Stomachs with trace		3		
Stomachs without food		2		

Washington - 1974

Food Items	January Volume cc	Volume %	Frequency no	Frequency %
Fish				
Clupea harengus pallasi	950	52.78	5	13.89
Engraulis mordax	630	35.00	1	2.78
Mallotus villosus	100	5.56	2	5.56
Anoplopoma fimbria	100	5.56	1	2.78
Unidentified	10	0.56	1	2.78
Squid				
Loligo opalescens	10	0.56	5	13.89
Stomachs with food		11		
Stomachs with trace		3		
Stomachs without food		25		

British Columbia - 1958

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Entosphenus tridentatus	10	0.09	1	1.01	0	0.00	0	0.00
Clupea harengus pallasi	6797	59.08	23	23.23	21528	82.93	54	38.30
Oncorhynchus spp.	0	0.00	0	0.00	1172	4.51	2	1.42
Oncorhynchus keta	0	0.00	0	0.00	479	1.85	1	0.71
Thaleichthys pacificus	907	7.88	3	3.03	0	0.00	0	0.00
Cololabis saira	535	4.65	5	5.05	743	2.86	4	2.84
Gadus macrocephalus	178	1.55	1	1.01	0	0.00	0	0.00
Merluccius productus	0	0.00	0	0.00	1308	5.04	1	0.71
Gasterosteus aculeatus	139	1.21	4	4.04	0	0.00	0	0.00
Sebastes spp.	678	5.89	1	1.01	0	0.00	0	0.00
Anoplopoma fimbria	1739	15.12	7	7.07	180	0.69	2	1.42
Pleuronectidae	169	1.47	2	2.02	0	0.00	0	0.00
Unidentified	39	0.34	13	13.13	484	1.86	22	15.60
Squid								
Unidentified	313	2.72	13	13.13	64	0.25	8	5.67
Unidentified	0	0.00	0	0.00	0	0.00	2	1.42
Miscellaneous								
Birds	0	0.00	0	0.00	0	0.00	2	1.42
Pebbles,gravel,sand	0	0.00	1	1.01	0	0.00	3	2.13
Organic material	0	0.00	1	1.01	0	0.00	2	1.42
Mollusca	0	0.00	0	0.00	0	0.00	1	0.71
Stomachs with food		44				79		
Stomachs with trace		5				18		
Stomachs without food		55				62		

British Columbia - 1958

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %	July Volume cc	July Volume %	July Frequency no	July Frequency %
Fish								
Cololabis saira	48	0.79	1	5.26	0	0.00	0	0.00
Gadus macrocephalus	1631	26.86	1	5.26	0	0.00	0	0.00
Unidentified	574	9.45	7	36.84	0	0.00	0	0.00
Squid								
Unidentified	3762	61.96	7	36.84	0	0.00	0	0.00
Miscellaneous								
Birds	57	0.94	1	5.26	0	0.00	0	0.00
Stomachs with food		9				0		
Stomachs with trace		0				0		
Stomachs without food		10				1		

British Columbia - 1959

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Clupeidae	0	0.00	0	0.00	20	1.60	1	9.09
Osmeridae	0	0.00	0	0.00	224	17.93	2	18.18
Theragra chalcogramma	3710	74.71	1	5.56	0	0.00	0	0.00
Anoplopoma fimbria	1188	23.92	2	11.11	697	55.80	3	27.27
Unidentified	13	0.26	2	11.11	0	0.00	2	18.18
Squid								
Unidentified	55	1.11	6	33.33	308	24.66	3	27.27
Miscellaneous								
Organic material	0	0.00	0	0.00	0	0.00	1	9.09
Crustacea	0	0.00	1	5.56	0	0.00	0	0.00
Stomachs with food		8				8		
Stomachs with trace		1				2		
Stomachs without food		10				3		

British Columbia - 1959

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Entosphenus tridentatus	273	4.21	2	8.00	0	0.00	0	0.00
Clupea harengus pallasi	1963	30.25	4	16.00	2296	47.08	4	17.39
Oncorhynchus spp.	187	2.88	2	8.00	135	2.77	1	4.35
Thaleichthys pacificus	187	2.88	1	4.00	0	0.00	0	0.00
Merluccius productus	0	0.00	0	0.00	396	8.12	1	4.35
Theragra chalcogramma	2189	33.73	3	12.00	0	0.00	0	0.00
Sebastes spp.	625	9.63	2	8.00	0	0.00	0	0.00
Anoplopoma fimbria	761	11.73	5	20.00	1946	39.90	5	21.74
Pleuronectidae	50	0.77	1	4.00	0	0.00	0	0.00
Unidentified	21	0.32	3	12.00	0	0.00	3	13.04
Squid								
Unidentified	17	0.26	3	12.00	0	0.00	0	0.00
Loligo opalescens	216	3.33	1	4.00	104	2.13	1	4.35
Miscellaneous								
Pebbles,gravel,sand	0	0.00	1	4.00	0	0.00	0	0.00
Stomachs with food		15				11		
Stomachs with trace		1				3		
Stomachs without food		10				12		

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %	July Volume cc	July Volume %	July Frequency no	July Frequency %
Fish								
Entosphenus tridentatus	38	2.98	1	14.29	0	0.00	0	0.00
Hydrolagus colliei	485	38.04	2	28.57	0	0.00	0	0.00
Merluccius productus	22	1.73	1	14.29	0	0.00	0	0.00
Theragra chalcogramma	687	53.88	1	14.29	0	0.00	0	0.00
Unidentified	20	1.57	1	14.29	0	0.00	0	0.00

British Columbia - 1959 (Continued)

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %	July Volume cc	July Volume %	July Frequency no	July Frequency %
Squid								
Unidentified	23	1.80	2	28.57	0	0.00	0	0.00
Stomachs with food			5				0	
Stomachs with trace			1				0	
Stomachs without food			2				1	

British Columbia - 1960

Food Items	February Volume cc	February Volume %	February Frequency no	February Frequency %	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish								
Clupea harengus pallasi	0	0.00	2	100.00	1244	39.07	5	29.41
Theragra chalcogramma	0	0.00	0	0.00	1131	35.52	4	23.53
Anoplopoma fimbria	0	0.00	0	0.00	804	25.25	3	17.65
Squid								
Unidentified	0	0.00	0	0.00	5	0.16	2	11.76
Stomachs with food			2				8	
Stomachs with trace			2				1	
Stomachs without food			0				9	

British Columbia - 1960

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Clupea harengus pallasi	1383	38.42	6	20.00	0	0.00	0	0.00
Merluccius productus	2217	61.58	3	10.00	18	100.00	1	100.00
Unidentified	0	0.00	1	3.33	0	0.00	0	0.00
Stomachs with food		10				1		
Stomachs with trace		1				0		
Stomachs without food		20				0		

British Columbia - 1961

Food Items	February Volume cc	February Volume %	February Frequency no	February Frequency %	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish								
Hydrolagus colliei	39	0.39	2	4.35	0	0.00	0	0.00
Clupea harengus pallasi	9149	90.83	7	15.22	674	13.22	1	1.27
Oncorhynchus spp.	0	0.00	0	0.00	84	1.65	1	1.27
Thaleichthys pacificus	0	0.00	0	0.00	1011	19.83	4	5.06
Gadidae	27	0.27	2	4.35	0	0.00	0	0.00
Gadus macrocephalus	69	0.68	1	2.17	0	0.00	0	0.00
Merluccius productus	0	0.00	0	0.00	1658	32.52	3	3.80
Theragra chalcogramma	342	3.40	2	4.35	411	8.06	1	1.27
Gasterosteus aculeatus	0	0.00	0	0.00	0	0.00	1	1.27
Unidentified	8	0.08	9	19.57	30	0.59	4	5.06
Squid								
Unidentified	6	0.06	4	8.70	805	15.79	39	49.37
Loligo opalescens	43	0.43	1	2.17	45	0.88	2	2.53

British Columbia - 1961 (Continued)

Food Items	February Volume cc	February Volume %	February Frequency no	February Frequency %	March Volume cc	March Volume %	March Frequency no	March Frequency %
Miscellaneous								
Birds	390	3.87	2	4.35	361	7.08	2	2.53
Pebbles,gravel,sand	0	0.00	1	2.17	0	0.00	0	0.00
Organic material	0	0.00	0	0.00	0	0.00	1	1.27
Crustacea	0	0.00	0	0.00	20	0.39	1	1.27
Stomachs with food		25				48		
Stomachs with trace		10				28		
Stomachs without food		21				31		

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Clupea harengus pallasi	4018	69.76	6	42.86
Oncorhynchus spp.	1714	29.76	3	21.43
Unidentified	7	0.12	1	7.14
Squid				
Unidentified	21	0.36	1	7.14
Stomachs with food		8		
Stomachs with trace		0		
Stomachs without food		6		

British Columbia - 1962

Food Items	February Volume cc	February Volume %	February Frequency no	February Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Clupea harengus pallasi	3327	50.71	7	11.29	0	0.00	0	0.00
Thaleichthys pacificus	441	6.72	1	1.61	0	0.00	0	0.00
Theragra chalcogramma	243	3.70	2	3.23	0	0.00	0	0.00
Gasterosteus aculeatus	0	0.00	1	1.61	0	0.00	0	0.00
Sebastes spp.	2176	33.17	4	6.45	0	0.00	0	0.00
Unidentified	7	0.11	7	11.29	0	0.00	0	0.00
Squid								
Unidentified	73	1.11	11	17.74	0	0.00	1	20.00
Loligo opalescens	80	1.22	2	3.23	0	0.00	0	0.00
Berryteuthis magister	2	0.03	1	1.61	0	0.00	0	0.00
Miscellaneous								
Birds	212	3.23	1	1.61	0	0.00	0	0.00
Pebbles,gravel,sand	0	0.00	3	4.84	0	0.00	0	0.00
Mollusca	0	0.00	1	1.61	0	0.00	0	0.00
Stomachs with food	26				1			
Stomachs with trace	8				1			
Stomachs without food	36				4			

British Columbia - 1963

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Clupea harengus pallasi	605	26.57	1	6.25
Sebastes spp.	1629	71.54	2	12.50
Unidentified	0	0.00	1	6.25
Squid				
Unidentified	43	1.89	3	18.75

British Columbia - 1963 (Continued)

Food Items	May	
	Volume	Frequency
	cc %	no %
Stomachs with food		5
Stomachs with trace		1
Stomachs without food		11

British Columbia - 1964

Food Items	March				April			
	Volume		Frequency		Volume		Frequency	
	cc	%	no	%	cc	%	no	%
Stomachs with food			0				0	
Stomachs with trace			0				0	
Stomachs without food			1				2	

Food Items	May				June			
	Volume		Frequency		Volume		Frequency	
	cc	%	no	%	cc	%	no	%
Fish								
Clupea harengus pallasi	740	6.79	1	3.70	5	0.02	1	1.72
Oncorhynchus spp.	6400	58.69	4	14.81	13162	45.30	19	32.76
Cololabis saira	0	0.00	0	0.00	680	2.34	4	6.90
Sebastes spp.	480	4.40	2	7.41	0	0.00	0	0.00
Ammodytes hexapterus	1200	11.00	1	3.70	0	0.00	0	0.00
Unidentified	0	0.00	0	0.00	0	0.00	2	3.45

British Columbia - 1964 (Continued)

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Squid								
Unidentified	135	1.24	2	7.41	65	0.22	3	5.17
Onychoteuthis borealijaponicus	1360	12.47	8	29.63	15138	52.10	39	67.24
Berryteuthis magister	590	5.41	5	18.52	5	0.02	1	1.72
Miscellaneous								
Organic material	0	0.00	0	0.00	0	0.00	1	1.72
Stomachs with food			18				43	
Stomachs with trace			0				1	
Stomachs without food			9				15	

British Columbia - 1966

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Oncorhynchus spp.	0	0.00	0	0.00	272	26.98	3	12.00
Unidentified	0	0.00	0	0.00	1	0.10	1	4.00
Squid								
Unidentified	0	0.00	0	0.00	14	1.39	2	8.00
Onychoteuthis borealijaponicus	0	0.00	0	0.00	55	5.46	2	8.00
Berryteuthis magister	0	0.00	0	0.00	666	66.07	12	48.00
Miscellaneous								
Birds	0	0.00	0	0.00	0	0.00	1	4.00
Stomachs with food			0				13	
Stomachs with trace			0				2	
Stomachs without food			2				12	

British Columbia - 1967

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Squid				
Onychoteuthis borealijaponicus	9	50.00	1	100.00
Berryteuthis magister	9	50.00	1	100.00
Stomachs with food			1	
Stomachs with trace			0	
Stomachs without food			0	

British Columbia - 1968

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Oncorhynchus spp.	11025	85.63	10	20.83
Squid				
Unidentified	0	0.00	5	10.42
Onychoteuthis borealijaponicus	0	0.00	2	4.17
Gonatus sp.	0	0.00	4	8.33
Berryteuthis magister	1850	14.37	23	47.92
Stomachs with food			24	
Stomachs with trace			13	
Stomachs without food			24	

British Columbia - 1969

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Squid				
Loligo opalescens	0	0.00	1	100.00
Stomachs with food			1	
Stomachs with trace			1	
Stomachs without food			0	

British Columbia - 1972

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Clupea harengus pallasi	140	100.00	1	100.00	1200	100.00	1	33.33
Stomachs with food			1				1	
Stomachs with trace			0				0	
Stomachs without food			0				2	

Gulf of Alaska - 1958

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %
Fish				
Oncorhynchus spp.	125	2.91	3	8.33
Mallotus villosus	3567	82.97	8	22.22
Unidentified	5	0.12	3	8.33
Squid				
Unidentified	602	14.00	2	5.56
Stomachs with food			10	
Stomachs with trace			0	
Stomachs without food			26	

Gulf of Alaska - 1959

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish				
Clupeidae	0	0.00	1	0.83
Clupea harengus pallasi	2377	11.50	8	6.67
Oncorhynchus spp.	920	4.45	2	1.67
Mallotus villosus	4765	23.06	8	6.67
Theragra chalcogramma	20	0.10	2	1.67
Ammodytes hexapterus	11534	55.82	22	18.33
Unidentified	50	0.24	6	5.00
Squid				
Unidentified	998	4.83	4	3.33
Unidentified	0	0.00	1	0.83
Stomachs with food			44	
Stomachs with trace			7	
Stomachs without food			76	

Gulf of Alaska - 1962

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Clupea harengus pallasi	4950	87.46	12	25.00	0	0.00	0	0.00
Oncorhynchus spp.	101	1.78	2	4.17	652	1.16	6	2.33
Oncorhynchus gorbuscha	0	0.00	0	0.00	419	0.75	1	0.39
Oncorhynchus keta	0	0.00	0	0.00	2006	3.58	2	0.78
Oncorhynchus kisutch	0	0.00	0	0.00	3020	5.39	3	1.16
Gadidae	170	3.00	1	2.08	0	0.00	0	0.00
Theragra chalcogramma	110	1.94	1	2.08	0	0.00	0	0.00
Gasterosteus aculeatus	86	1.52	1	2.08	0	0.00	0	0.00
Ammodytes hexapterus	115	2.03	1	2.08	46311	82.72	97	37.60
Pleuronectidae	0	0.00	0	0.00	214	0.38	1	0.39
Unidentified	128	2.26	9	18.75	5	0.01	4	1.55
Squid								
Octopoda	0	0.00	0	0.00	573	1.02	3	1.16
Unidentified	0	0.00	0	0.00	868	1.55	22	8.53
Loligo opalescens	0	0.00	0	0.00	1917	3.42	4	1.55
Miscellaneous								
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	3	1.16
Mollusca	0	0.00	0	0.00	0	0.00	1	0.39
Stomachs with food			22				129	
Stomachs with trace			4				14	
Stomachs without food			26				129	

Gulf of Alaska - 1963

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Oncorhynchus spp.	0	0.00	0	0.00	79	0.48	2	1.05
Mallotus villosus	38	1.88	1	7.69	240	1.46	2	1.05
Microgadus proximus	0	0.00	0	0.00	50	0.30	1	0.53

Gulf of Alaska - 1963 (Continued)

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Theragra chalcogramma	1480	73.05	1	7.69	1950	11.83	11	5.79
Ammodytes hexapterus	508	25.07	3	23.08	14137	85.80	38	20.00
Unidentified	0	0.00	1	7.69	21	0.13	20	10.53
Squid								
Unidentified	0	0.00	0	0.00	0	0.00	1	0.53
Miscellaneous								
Pebbles, gravel, sand	0	0.00	0	0.00	0	0.00	1	0.53
Stomachs with food			5				59	
Stomachs with trace			1				20	
Stomachs without food			8				131	

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %
Fish				
Ammodytes hexapterus	985	100.00	3	15.00
Unidentified	0	0.00	1	5.00
Stomachs with food			4	
Stomachs with trace			1	
Stomachs without food			16	

Gulf of Alaska - 1968

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %	July Volume cc	July Volume %	July Frequency no	July Frequency %
Fish								
Clupea harengus pallasi	1275	4.20	3	1.69	0	0.00	0	0.00
Oncorhynchus spp.	4060	13.38	9	5.08	340	15.25	3	8.33
Mallotus villosus	2945	9.71	20	11.30	0	0.00	0	0.00
Thaleichthys pacificus	0	0.00	0	0.00	10	0.45	1	2.78
Gadus macrocephalus	3065	10.10	3	1.69	0	0.00	0	0.00
Anoplopoma fimbria	0	0.00	0	0.00	40	1.79	1	2.78
Ammodytes hexapterus	18302	60.33	25	14.12	1835	82.29	3	8.33
Unidentified	406	1.34	3	1.69	0	0.00	1	2.78
Squid								
Unidentified	0	0.00	4	2.26	5	0.22	2	5.56
Gonatus sp.	0	0.00	6	3.39	0	0.00	0	0.00
Berryteuthis magister	285	0.94	18	10.17	0	0.00	1	2.78
Miscellaneous								
Pebbles,gravel,sand	0	0.00	3	1.69	0	0.00	0	0.00
Pelecypoda	0	0.00	2	1.13	0	0.00	0	0.00
Stomachs with food			73				10	
Stomachs with trace			18				3	
Stomachs without food			104				26	

Western Alaska - 1974

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %
Fish				
Clupea harengus pallasi	3900	44.26	2	11.76
Anoplopoma fimbria	3800	43.12	3	17.65
Ammodytes hexapterus	312	3.54	2	11.76
Unidentified	800	9.08	3	17.65

Western Alaska - 1974 (Continued)

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %
Squid				
Stomachs with food			10	
Stomachs with trace			2	
Stomachs without food			7	

Eastern Bering Sea - 1974

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %
Fish				
Clupea harengus pallasi	770	15.37	2	33.33
Anoplopoma fimbria	4240	84.63	2	33.33
Stomachs with food			4	
Stomachs with trace			0	
Stomachs without food			2	

Table 11.2
Stomach contents of fur seals collected by the United States.

California - 1958

Food Items	February Volume cc	February Volume %	February Frequency no	February Frequency %	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish								
Alosa sapidissima	0	0.00	1	0.65	1333	1.15	4	1.45
Clupea harengus pallasi	289	0.58	2	1.29	655	0.56	1	0.36
Engraulis mordax	5004	10.04	18	11.61	10234	8.81	19	6.91
Paralepis atlantica	0	0.00	0	0.00	124	0.11	1	0.36
Cololabis saira	15844	31.79	40	25.81	23144	19.92	62	22.55
Merluccius productus	1409	2.83	4	2.58	27750	23.89	36	13.09
Trachipterus altivelis	0	0.00	0	0.00	0	0.00	1	0.36
Trachurus symmetricus	2268	4.55	16	10.32	6815	5.87	24	8.73
Medialuna californiensis	0	0.00	0	0.00	180	0.15	2	0.73
Scomber japonicus	0	0.00	1	0.65	0	0.00	0	0.00
Sebastes spp.	779	1.56	6	3.87	2632	2.27	4	1.45
Sebastes jordani	4915	9.86	5	3.23	525	0.45	2	0.73
Atherinopsis californiensis	0	0.00	0	0.00	0	0.00	1	0.36
Citharichthys sp.	500	1.00	1	0.65	3314	2.85	5	1.82
Porichthys notatus	144	0.29	1	0.65	3760	3.24	2	0.73
Unidentified	0	0.00	4	2.58	108	0.09	11	4.00
Squid								
Unidentified	5636	11.31	93	60.00	31987	27.54	51	54.91
Loligo opalescens	13058	26.20	9	5.81	1782	1.53	1	0.36
Onychoteuthis sp.	0	0.00	0	0.00	1150	0.99	2	0.73
Gonatus sp.	0	0.00	0	0.00	675	0.58	1	0.36
Stomachs with food			111				181	
Stomachs with trace			30				60	
Stomachs without food			44				94	

California - 1958 (Continued)

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish				
Alosa sapidissima	15	0.07	1	2.78
Clupea harengus pallasi	90	0.42	2	5.56
Engraulis mordax	11676	54.34	7	19.44
Merluccius productus	2797	13.02	16	44.44
Trachurus symmetricus	585	2.72	4	11.11
Atherinopsis californiensis	2837	13.20	2	5.56
Citharichthys sp.	400	1.86	2	5.56
Porichthys notatus	400	1.86	1	2.78
Unidentified	681	3.17	3	8.33
Squid				
Unidentified	2006	9.34	26	72.22
Stomachs with food			31	
Stomachs with trace			8	
Stomachs without food			5	

California - 1959

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Clupea harengus pallasi	390	0.66	2	1.77	309	0.07	2	0.26
Engraulis mordax	31598	53.82	55	48.67	328968	76.51	81	50.33
Paralepis atlantica	0	0.00	0	0.00	5	0.00	1	0.13
Myctophidae	0	0.00	0	0.00	833	0.19	2	0.26
Cololabis saira	1129	1.92	4	3.54	4354	1.01	35	4.62
Merluccius productus	16275	27.72	24	21.24	82983	19.30	84	24.31
Trachipterus altivelis	0	0.00	0	0.00	0	0.00	1	0.13
Trachurus symmetricus	0	0.00	0	0.00	62	0.01	4	0.53

California - 1959 (Continued)

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Brama japonica	0	0.00	0	0.00	2129	0.50	5	0.66
Medialuna californiensis	0	0.00	0	0.00	30	0.01	1	0.13
Sebastes spp.	116	0.20	1	0.88	0	0.00	0	0.00
Anoplopoma fimbria	0	0.00	0	0.00	376	0.09	1	0.13
Atherinopsis californiensis	5921	10.08	6	5.31	2164	0.50	2	0.26
Porichthys notatus	750	1.28	1	0.88	1450	0.34	1	0.13
Unidentified	0	0.00	0	0.00	259	0.06	10	1.32
Squid								
Unidentified	444	0.76	22	19.47	2478	0.58	03	13.61
Loligo opalescens	814	1.39	2	1.77	1907	0.44	14	1.85
Onychoteuthis sp.	648	1.10	3	2.65	328	0.08	5	0.66
Miscellaneous								
Birds	627	1.07	2	1.77	1316	0.31	3	0.40
Organic material	0	0.00	0	0.00	0	0.00	1	0.13
Stomachs with food			85				532	
Stomachs with trace			8				65	
Stomachs without food			28				225	

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Clupea harengus pallasi	0	0.00	0	0.00	1552	1.95	3	1.99
Engraulis mordax	25445	28.12	37	15.23	2355	2.95	3	1.99
Hypomesus pretiosus	516	0.57	5	2.06	53	0.07	2	1.32
Thaleichthys pacificus	294	0.32	1	0.41	0	0.00	0	0.00
Tactostoma macropus	270	0.30	1	0.41	0	0.00	0	0.00
Paralepis atlantica	3795	4.19	4	1.65	6548	8.21	8	5.30
Myctophidae	772	0.85	3	1.23	0	0.00	0	0.00

California - 1959 (Continued)

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Cololabis saira	16092	17.78	54	22.22	1336	1.67	11	7.28
Merluccius productus	17759	19.62	35	14.40	44014	55.17	75	49.67
Trachipteridae	42	0.05	1	0.41	0	0.00	1	0.66
Trachipterus altivelis	2421	2.68	1	0.41	0	0.00	0	0.00
Trachurus symmetricus	1512	1.67	8	3.29	14054	17.62	29	19.21
Sebastes spp.	230	0.25	1	0.41	0	0.00	0	0.00
Atherinopsis californiensis	3312	3.66	3	1.23	350	0.44	1	0.66
Lyopsetta exilis	275	0.30	1	0.41	0	0.00	0	0.00
Porichthys notatus	15	0.02	1	0.41	0	0.00	0	0.00
Unidentified	953	1.05	16	6.58	5498	6.89	9	5.96
Squid								
Unidentified	4347	4.80	97	39.92	2291	2.87	40	26.49
Loligo opalescens	9265	10.24	10	4.12	1324	1.66	2	1.32
Onychoteuthis sp.	2742	3.03	7	2.88	405	0.51	1	0.66
Gonatidae	270	0.30	1	0.41	0	0.00	0	0.00
Gonatus sp.	172	0.19	1	0.41	0	0.00	0	0.00
Stomachs with food			162				114	
Stomachs with trace			30				21	
Stomachs without food			81				37	

California - 1960

Food Items	December Volume cc	December Volume %	December Frequency no	December Frequency %
Squid				
Loligo opalescens	0	0.00	1	33.33

California - 1960 (Continued)

Food Items	December Volume cc	Volume %	Frequency no	Frequency %
Stomachs with food			1	
Stomachs with trace			1	
Stomachs without food			2	

California - 1961

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Clupea harengus pallasi	0	0.00	0	0.00	0	0.00	1	0.33
Engraulis mordax	22980	37.98	25	5.76	20247	20.92	39	12.87
Myctophidae	178	0.29	11	2.53	0	0.00	2	0.66
Tarletonbeania crenularis	1283	2.12	7	1.61	0	0.00	0	0.00
Cololabis saira	2379	3.93	41	9.45	25867	26.73	54	17.82
Merluccius productus	1758	2.91	9	2.07	0	0.00	0	0.00
Trachurus symmetricus	0	0.00	0	0.00	2135	2.21	13	4.29
Medialuna californiensis	0	0.00	0	0.00	44	0.05	1	0.33
Sebastes spp.	4000	6.61	1	0.23	0	0.00	0	0.00
Atherinopsis californiensis	0	0.00	1	0.23	0	0.00	0	0.00
Lyopsetta exilis	147	0.24	1	0.23	0	0.00	0	0.00
Unidentified	2321	3.84	36	8.29	0	0.00	4	1.32
Squid								
Ocythoe tuberculata	70	0.12	18	4.15	0	0.00	10	3.30
Unidentified	995	1.64	91	20.97	2605	2.69	67	22.11
Loligo opalescens	10684	17.66	34	7.83	1170	1.21	5	1.65
Onychoteuthis sp.	13217	21.85	47	33.87	44712	46.20	15	37.95
Abraliopsis sp.	19	0.03	8	1.84	0	0.00	1	0.33
Gonatidae	93	0.15	66	15.21	0	0.00	26	8.58
Gonatopsis borealis	378	0.62	27	6.22	0	0.00	0	0.00

California - 1961 (Continued)

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Miscellaneous								
Organic material	0	0.00	1	0.23	0	0.00	0	0.00
Stomachs with food			276				213	
Stomachs with trace			156				87	
Stomachs without food			158				90	

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Squalus acanthias	0	0.00	0	0.00	532	15.07	1	11.11
Alosa sapidissima	2144	3.72	4	4.08	0	0.00	0	0.00
Clupea harengus pallasi	2001	3.47	3	3.06	0	0.00	0	0.00
Engraulis mordax	21736	37.66	26	26.53	0	0.00	0	0.00
Oncorhynchus spp.	0	0.00	0	0.00	624	17.68	1	11.11
Myctophidae	33	0.06	3	3.06	0	0.00	0	0.00
Tarletonbeania crenularis	63	0.11	2	2.04	0	0.00	0	0.00
Cololabis saira	978	1.69	3	3.06	0	0.00	0	0.00
Merluccius productus	11853	20.54	16	16.33	1990	56.37	2	22.22
Sebastes spp.	720	1.25	1	1.02	0	0.00	0	0.00
Sebastes jordani	1295	2.24	1	1.02	0	0.00	0	0.00
Atherinopsis californiensis	1235	2.14	2	2.04	0	0.00	0	0.00
Lyopsetta exilis	0	0.00	0	0.00	0	0.00	1	11.11
Porichthys notatus	159	0.28	1	1.02	0	0.00	0	0.00
Unidentified	0	0.00	5	5.10	0	0.00	3	33.33
Squid								
Unidentified	60	0.10	8	8.16	0	0.00	0	0.00
Loligo opalescens	12991	22.51	14	14.29	0	0.00	1	11.11
Onychoteuthis sp.	1135	1.97	15	15.31	384	10.88	3	33.33
Abraliopsis sp.	1307	2.26	5	5.10	0	0.00	0	0.00
Gonatidae	0	0.00	6	6.12	0	0.00	2	22.22

California - 1961 (Continued)

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Stomachs with food			67				8	
Stomachs with trace			8				4	
Stomachs without food			31				1	

California - 1964

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Entosphenus tridentatus	0	0.00	1	0.97	610	0.83	1	0.48
Engraulis mordax	2466	5.80	11	10.68	0	0.00	0	0.00
Oncorhynchus spp.	0	0.00	0	0.00	170	0.23	2	0.96
Paralepis atlantica	0	0.00	0	0.00	153	0.21	1	0.48
Tarletonbeania crenularis	0	0.00	0	0.00	132	0.18	1	0.48
Cololabis saira	483	1.14	2	1.94	0	0.00	0	0.00
Merluccius productus	29325	68.92	33	32.04	55885	76.45	97	46.63
Anoplopoma fimbria	77	0.18	3	2.91	8540	11.68	10	4.81
Unidentified	0	0.00	21	20.39	0	0.00	42	20.19
Squid								
Unidentified	0	0.00	1	0.97	21	0.03	7	3.37
Loligo opalescens	8328	19.57	34	33.01	6541	8.95	42	20.19
Onychoteuthis borealijaponicus	1872	4.40	15	14.56	965	1.32	14	6.73
Gonatidae	0	0.00	2	1.94	80	0.11	11	5.29
Gonatus sp.	0	0.00	4	3.88	0	0.00	11	5.29
Stomachs with food			76				156	
Stomachs with trace			25				72	
Stomachs without food			27				52	

California - 1965

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Clupea harengus pallasi	35	0.11	3	6.52	12	0.02	1	0.78
Engraulis mordax	5	0.02	1	2.17	10681	17.61	25	19.53
Myctophidae	5	0.02	1	2.17	0	0.00	0	0.00
Cololabis saira	1115	3.63	4	8.70	1742	2.87	3	2.34
Merluccius productus	4781	15.58	10	21.74	31268	51.54	39	30.47
Trachurus symmetricus	0	0.00	0	0.00	710	1.17	4	3.13
Sebastes spp.	0	0.00	0	0.00	11085	18.27	33	25.78
Pleuronectidae	645	2.10	1	2.17	0	0.00	1	0.78
Unidentified	0	0.00	7	15.22	143	0.24	34	26.56
Squid								
Ocythoe tuberculata	0	0.00	0	0.00	0	0.00	1	0.78
Unidentified	0	0.00	1	2.17	0	0.00	1	0.78
Loligo opalescens	23964	78.10	30	65.22	1878	3.10	31	24.22
Onychoteuthis borealijaponicus	135	0.44	5	10.87	2251	3.71	29	22.66
Moroteuthis robusta	0	0.00	0	0.00	129	0.21	1	0.78
Abraliopsis sp.	0	0.00	0	0.00	129	0.21	5	3.91
Gonatidae	0	0.00	2	4.35	5	0.01	14	10.94
Gonatus sp.	0	0.00	1	2.17	0	0.00	12	9.38
Berryteuthis magister	0	0.00	0	0.00	57	0.09	2	1.56
Gonatopsis borealis	0	0.00	0	0.00	258	0.43	1	0.78
Miscellaneous								
Birds	0	0.00	0	0.00	320	0.53	2	1.56
Organic material	0	0.00	1	2.17	0	0.00	0	0.00
Stomachs with food			39				107	
Stomachs with trace			11				34	
Stomachs without food			7				21	

California - 1965

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish				
Clupeidae	5	0.02	2	2.08
Engraulis mordax	6003	29.72	13	13.54
Cololabis saira	433	2.14	7	7.29
Merluccius productus	4653	23.04	21	21.88
Trachurus symmetricus	2953	14.62	11	11.46
Sebastes spp.	1810	8.96	12	12.50
Anoplopoma fimbria	1294	6.41	3	3.13
Unidentified	14	0.07	42	43.75
Squid				
Unidentified	0	0.00	5	5.21
Loligo opalescens	2104	10.42	25	26.04
Onychoteuthis borealijaponicus	525	2.60	15	15.63
Abraliopsis sp.	0	0.00	2	2.08
Gonatidae	0	0.00	9	9.38
Gonatus sp.	46	0.23	4	4.17
Berryteuthis magister	240	1.19	2	2.08
Gonatopsis borealis	116	0.57	1	1.04
Stomachs with food			81	
Stomachs with trace			35	
Stomachs without food			15	

California - 1966

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Engraulis mordax	18811	94.24	31	62.00	49538	82.59	94	47.96
Paralepis atlantica	0	0.00	0	0.00	0	0.00	1	0.51

California - 1966 (Continued)

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Symbolophorus californiensis	442	2.21	1	2.00	0	0.00	0	0.00
Cololabis saira	250	1.25	4	8.00	2383	3.97	7	3.57
Merluccius productus	119	0.60	1	2.00	6054	10.09	8	4.08
Trachipteridae	0	0.00	0	0.00	435	0.73	4	2.04
Trachurus symmetricus	0	0.00	0	0.00	5	0.01	1	0.51
Sebastes spp.	0	0.00	0	0.00	40	0.07	1	0.51
Unidentified	0	0.00	5	10.00	35	0.06	37	18.88
Squid								
Ocythoe tuberculata	0	0.00	0	0.00	0	0.00	1	0.51
Unidentified	0	0.00	1	2.00	0	0.00	4	2.04
Loligo opalescens	53	0.27	7	14.00	621	1.04	54	27.55
Onychoteuthis borealijaponicus	185	0.93	10	20.00	869	1.45	35	17.86
Abraliopsis sp.	0	0.00	0	0.00	0	0.00	1	0.51
Gonatidae	0	0.00	2	4.00	0	0.00	14	7.14
Gonatus sp.	0	0.00	1	2.00	0	0.00	4	2.04
Miscellaneous								
Birds	100	0.50	1	2.00	0	0.00	0	0.00
Stomachs with food			38				150	
Stomachs with trace			8				40	
Stomachs without food			12				46	

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish				
Engraulis mordax	25141	54.09	58	29.44
Paralepis atlantica	510	1.10	1	0.51
Tarletonbeania crenularis	0	0.00	1	0.51
Cololabis saira	767	1.65	5	2.54

California - 1966 (Continued)

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %
Merluccius productus	19658	42.29	48	24.37
Sciaenidae	10	0.02	1	0.51
Pleuronectidae	200	0.43	1	0.51
Unidentified	60	0.13	43	21.83
Squid				
Unidentified	0	0.00	10	5.08
Loligo opalescens	0	0.00	10	5.08
Onychoteuthis borealijaponicus	134	0.29	27	13.71
Moroteuthis robusta	0	0.00	2	1.02
Abraliopsis sp.	0	0.00	3	1.52
Gonatidae	0	0.00	12	6.09
Gonatus sp.	0	0.00	18	9.14
Miscellaneous				
Organic material	0	0.00	1	0.51
Isopoda	0	0.00	1	0.51
Stomachs with food		148		
Stomachs with trace		63		
Stomachs without food		49		

Oregon - 1958

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish				
Entosphenus tridentatus	0	0.00	1	1.89
Cololabis saira	1382	12.35	3	5.66
Merluccius productus	2025	18.10	3	5.66
Trachurus symmetricus	795	7.11	1	1.89
Sebastes spp.	261	2.33	1	1.89
Unidentified	5	0.04	1	1.89

Oregon - 1958 (Continued)

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %
Squid				
Unidentified	5676	50.73	34	64.15
Loligo opalescens	504	4.50	1	1.89
Onychoteuthis sp.	540	4.83	1	1.89
Stomachs with food			36	
Stomachs with trace			21	
Stomachs without food			17	

Oregon - 1959

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish								
Engraulis mordax	90	7.86	1	25.00	0	0.00	0	0.00
Cololabis saira	357	31.18	2	50.00	0	0.00	0	0.00
Merluccius productus	0	0.00	0	0.00	194	4.84	1	5.00
Sebastes spp.	0	0.00	0	0.00	3564	88.88	4	20.00
Unidentified	70	6.11	2	50.00	0	0.00	0	0.00
Squid								
Unidentified	0	0.00	1	25.00	252	6.28	11	55.00
Loligo opalescens	315	27.51	1	25.00	0	0.00	0	0.00
Onychoteuthis sp.	313	27.34	1	25.00	0	0.00	0	0.00
Stomachs with food			3				14	
Stomachs with trace			0				8	
Stomachs without food			1				6	

Oregon - 1959

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish				
Engraulis mordax	138	1.34	1	3.85
Scopelosaurus sp.	438	4.25	1	3.85
Myctophidae	647	6.27	4	15.38
Tarletonbeania crenularis	146	1.42	2	7.69
Cololabis saira	641	6.21	3	11.54
Merluccius productus	5125	49.68	2	7.69
Trachipterus altivelis	688	6.67	1	3.85
Sebastes spp.	839	8.13	3	11.54
Anoplopoma fimbria	76	0.74	1	3.85
Unidentified	50	0.48	1	3.85
Squid				
Unidentified	1458	14.13	9	34.62
Loligo opalescens	57	0.55	1	3.85
Gonatus sp.	13	0.13	1	3.85
Stomachs with food		14		
Stomachs with trace		0		
Stomachs without food		12		

Oregon - 1961

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish				
Entosphenus tridentatus	70	0.28	1	3.45
Alosa sapidissima	1050	4.23	1	3.45
Clupea harengus pallasi	530	2.13	1	3.45
Engraulis mordax	14990	60.32	10	34.48

Oregon - 1961 (Continued)

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %
Oncorhynchus spp.	140	0.56	1	3.45
Merluccius productus	0	0.00	1	3.45
Sebastes spp.	8005	32.21	10	34.48
Lyopsetta exilis	65	0.26	1	3.45
Unidentified	0	0.00	1	3.45
Squid				
Unidentified	0	0.00	1	3.45
Loligo opalescens	0	0.00	1	3.45
Gonatidae	0	0.00	1	3.45
Stomachs with food		26		
Stomachs with trace		5		
Stomachs without food		3		

Oregon - 1964

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Merluccius productus	100	100.00	1	11.11	1435	100.00	1	100.00
Unidentified	0	0.00	2	22.22	0	0.00	0	0.00
Squid								
Unidentified	0	0.00	3	33.33	0	0.00	0	0.00
Loligo opalescens	0	0.00	1	11.11	0	0.00	0	0.00
Onychoteuthis borealijaponicus	0	0.00	5	55.56	0	0.00	0	0.00
Gonatidae	0	0.00	2	22.22	0	0.00	0	0.00
Gonatus sp.	0	0.00	4	44.44	0	0.00	0	0.00

Oregon - 1964 (Continued)

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Stomachs with food			9				1	
Stomachs with trace			8				0	
Stomachs without food			0				0	

Washington - 1958

Food Items	February Volume cc	February Volume %	February Frequency no	February Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	0	0.00	0	0.00	0	0.00	1	1.22
Alosa sapidissima	0	0.00	0	0.00	700	3.14	1	1.22
Clupea harengus pallasi	0	0.00	0	0.00	11540	51.82	21	25.61
Oncorhynchus spp.	0	0.00	0	0.00	350	1.57	1	1.22
Osmeridae	0	0.00	0	0.00	721	3.24	2	2.44
Cololabis saira	0	0.00	0	0.00	3049	13.69	5	6.10
Sebastes spp.	0	0.00	0	0.00	2890	12.98	5	6.10
Anoplopoma fimbria	0	0.00	0	0.00	100	0.45	1	1.22
Unidentified	0	0.00	0	0.00	0	0.00	7	8.54
Squid								
Unidentified	0	0.00	0	0.00	2921	13.12	31	37.80
Stomachs with food			0				56	
Stomachs with trace			0				23	
Stomachs without food			1				26	

Washington - 1959

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	0	0.00	0	0.00	0	0.00	1	0.44
Alosa sapidissima	0	0.00	0	0.00	360	0.47	1	0.44
Clupea harengus pallasi	0	0.00	0	0.00	10824	14.04	18	7.86
Oncorhynchus spp.	0	0.00	0	0.00	8452	10.97	15	6.55
Hypomesus pretiosus	0	0.00	0	0.00	819	1.06	1	0.44
Thaleichthys pacificus	0	0.00	0	0.00	34	0.04	1	0.44
Paralepis atlantica	0	0.00	0	0.00	8	0.01	1	0.44
Cololabis saira	0	0.00	0	0.00	1129	1.46	6	2.62
Merluccius productus	0	0.00	0	0.00	268	0.35	8	3.49
Gasterosteus aculeatus	0	0.00	0	0.00	552	0.72	6	2.62
Trachipteridae	0	0.00	0	0.00	8	0.01	1	0.44
Sebastes spp.	0	0.00	0	0.00	30942	40.15	38	16.59
Anoplopoma fimbria	0	0.00	0	0.00	16710	21.68	14	6.11
Pleuronectiformes	0	0.00	0	0.00	640	0.83	1	0.44
Unidentified	0	0.00	0	0.00	3844	4.99	19	8.30
Squid								
Unidentified	0	0.00	0	0.00	1170	1.52	43	18.78
Loligo opalescens	0	0.00	0	0.00	288	0.37	6	2.62
Onychoteuthis sp.	0	0.00	0	0.00	880	1.14	3	1.31
Gonatidae	0	0.00	0	0.00	116	0.15	1	0.44
Miscellaneous								
Birds	0	0.00	0	0.00	30	0.04	1	0.44
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	4	1.75
Stomachs with food			0				118	
Stomachs with trace			0				30	
Stomachs without food			1				111	

Washington - 1961

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	0	0.00	0	0.00	438	0.52	5	1.54
Alosa sapidissima	0	0.00	0	0.00	4889	5.83	8	2.47
Clupea harengus pallasi	27	0.24	2	3.45	16538	19.71	34	10.49
Engraulis mordax	0	0.00	0	0.00	36089	43.01	58	17.90
Oncorhynchus spp.	0	0.00	0	0.00	1967	2.34	8	2.47
Oncorhynchus gorbuscha	0	0.00	0	0.00	1700	2.03	1	0.31
Oncorhynchus kisutch	1560	13.59	1	1.72	1980	2.36	2	0.62
Oncorhynchus nerka	0	0.00	0	0.00	910	1.08	1	0.31
Oncorhynchus tshawytscha	0	0.00	0	0.00	1010	1.20	2	0.62
Salmo gairdneri	555	4.83	1	1.72	0	0.00	0	0.00
Hypomesus pretiosus	83	0.72	2	3.45	0	0.00	0	0.00
Mallotus villosus	0	0.00	0	0.00	1210	1.44	6	1.85
Thaleichthys pacificus	0	0.00	1	1.72	1864	2.22	9	2.78
Merluccius productus	0	0.00	0	0.00	308	0.37	1	0.31
Theragra chalcogramma	0	0.00	0	0.00	15	0.02	1	0.31
Sebastes spp.	7900	68.82	9	15.52	10797	12.87	23	7.10
Sebastes entomelas	0	0.00	0	0.00	2174	2.59	2	0.62
Ammodytes hexapterus	0	0.00	0	0.00	1910	2.28	2	0.62
Unidentified	0	0.00	6	10.34	85	0.10	29	8.95
Squid								
Unidentified	0	0.00	2	3.45	0	0.00	3	0.93
Loligo opalescens	0	0.00	0	0.00	21	0.03	2	0.62
Onychoteuthis sp.	1170	10.19	2	3.45	0	0.00	2	0.62
Gonatidae	0	0.00	1	1.72	0	0.00	3	0.93
Gonatopsis borealis	185	1.61	1	1.72	0	0.00	0	0.00
Miscellaneous								
Pebbles, gravel, sand	0	0.00	0	0.00	0	0.00	1	0.31
Isopoda	0	0.00	0	0.00	5	0.01	1	0.31
Stomachs with food			20				162	
Stomachs with trace			6				27	
Stomachs without food			38				162	

Washington - 1964

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Alosa sapidissima	0	0.00	1	5.26	0	0.00	0	0.00
Clupea harengus pallasi	20	0.59	1	5.26	0	0.00	0	0.00
Engraulis mordax	7	0.21	4	21.05	0	0.00	0	0.00
Oncorhynchus spp.	0	0.00	1	5.26	0	0.00	0	0.00
Oncorhynchus gorbuscha	893	26.30	1	5.26	0	0.00	0	0.00
Thaleichthys pacificus	1307	38.50	9	47.37	0	0.00	0	0.00
Merluccius productus	0	0.00	0	0.00	3483	89.65	4	80.00
Sebastes spp.	1092	32.16	1	5.26	0	0.00	0	0.00
Unidentified	0	0.00	2	10.53	0	0.00	0	0.00
Squid								
Loligo opalescens	76	2.24	3	15.79	0	0.00	0	0.00
Gonatidae	0	0.00	1	5.26	0	0.00	0	0.00
Gonatus sp.	0	0.00	1	5.26	0	0.00	1	20.00
Berryteuthis magister	0	0.00	0	0.00	345	8.88	1	20.00
Gonatopsis borealis	0	0.00	0	0.00	57	1.47	1	20.00
Stomachs with food			14				4	
Stomachs with trace			5				0	
Stomachs without food			5				1	

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish				
Oncorhynchus spp.	190	55.88	2	50.00
Merluccius productus	150	44.12	3	75.00
Unidentified	0	0.00	1	25.00

Washington - 1964 (Continued)

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Squid				
Unidentified	0	0.00	1	25.00
Loligo opalescens	0	0.00	1	25.00
Stomachs with food			4	
Stomachs with trace			1	
Stomachs without food			0	

Washington - 1965

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish				
Entosphenus tridentatus	863	6.11	6	4.03
Clupea harengus pallasi	1311	9.29	5	3.36
Engraulis mordax	6717	47.58	20	13.42
Oncorhynchus spp.	40	0.28	6	4.03
Oncorhynchus kisutch	515	3.65	1	0.67
Oncorhynchus tshawytscha	1035	7.33	1	0.67
Thaleichthys pacificus	2506	17.75	11	7.38
Merluccius productus	0	0.00	1	0.67
Gasterosteus aculeatus	813	5.76	7	4.70
Sebastes spp.	244	1.73	1	0.67
Anoplopoma fimbria	30	0.21	1	0.67
Unidentified	10	0.07	39	26.17
Squid				
Unidentified	0	0.00	2	1.34
Loligo opalescens	33	0.23	21	14.09
Gonatidae	0	0.00	1	0.67
Gonatus sp.	0	0.00	2	1.34

Washington - 1965 (Continued)

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %
Miscellaneous				
Birds	0	0.00	1	0.67
Pebbles,gravel,sand	0	0.00	3	2.01
Organic material	0	0.00	2	1.34
Stomachs with food			97	
Stomachs with trace			55	
Stomachs without food			52	

Washington - 1967

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Alosa sapidissima	3194	16.96	6	7.50	534	3.95	1	1.96
Clupea harengus pallasi	5295	28.12	9	11.25	2511	18.59	6	11.76
Engraulis mordax	67	0.36	4	5.00	3483	25.78	4	7.84
Salmonidae	797	4.23	4	5.00	207	1.53	1	1.96
Oncorhynchus spp.	1492	7.92	5	6.25	1219	9.02	3	5.88
Oncorhynchus gorbuscha	2290	12.16	7	8.75	467	3.46	2	3.92
Oncorhynchus keta	295	1.57	2	2.50	0	0.00	0	0.00
Oncorhynchus kisutch	1774	9.42	3	3.75	171	1.27	2	3.92
Oncorhynchus nerka	553	2.94	1	1.25	0	0.00	0	0.00
Oncorhynchus tshawytscha	780	4.14	4	5.00	94	0.70	1	1.96
Salmo gairdneri	194	1.03	1	1.25	104	0.77	1	1.96
Mallotus villosus	0	0.00	1	1.25	5	0.04	2	3.92
Thaleichthys pacificus	62	0.33	5	6.25	0	0.00	0	0.00
Merluccius productus	99	0.53	2	2.50	0	0.00	0	0.00
Sebastes spp.	1015	5.39	3	3.75	4660	34.49	2	3.92
Anoplopoma fimbria	140	0.74	1	1.25	0	0.00	0	0.00
Unidentified	0	0.00	14	17.50	0	0.00	6	11.76

Washington - 1967 (Continued)

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Squid								
Loligo opalescens	705	3.74	35	43.75	45	0.33	12	23.53
Onychoteuthis borealijaponicus	0	0.00	1	1.25	0	0.00	2	3.92
Gonatidae	75	0.40	9	11.25	0	0.00	5	9.80
Gonatus sp.	0	0.00	2	2.50	0	0.00	0	0.00
Miscellaneous								
Pebbles, gravel, sand	0	0.00	4	5.00	0	0.00	2	3.92
Isopoda	0	0.00	1	1.25	0	0.00	0	0.00
Crustacea	0	0.00	2	2.50	10	0.07	1	1.96
Stomachs with food			58				31	
Stomachs with trace			29				12	
Stomachs without food			22				20	

Food Items	November Volume cc	November Volume %	November Frequency no	November Frequency %	December Volume cc	December Volume %	December Frequency no	December Frequency %
Fish								
Alosa sapidissima	0	0.00	1	33.33	805	6.17	3	3.66
Clupea harengus pallasi	0	0.00	0	0.00	1844	14.14	12	14.63
Engraulis mordax	0	0.00	0	0.00	25	0.19	1	1.22
Salmonidae	0	0.00	1	33.33	80	0.61	5	6.10
Oncorhynchus kisutch	0	0.00	0	0.00	1319	10.11	2	2.44
Osmeridae	0	0.00	0	0.00	81	0.62	3	3.66
Mallotus villosus	0	0.00	0	0.00	1978	15.16	6	7.32
Thaleichthys pacificus	0	0.00	0	0.00	2017	15.46	11	13.41
Gadidae	0	0.00	0	0.00	35	0.27	1	1.22
Merluccius productus	0	0.00	0	0.00	1434	10.99	6	7.32
Anoplopoma fimbria	0	0.00	0	0.00	3370	25.83	16	19.51
Unidentified	0	0.00	1	33.33	0	0.00	26	31.71

Washington - 1967 (Continued)

Food Items	November Volume cc	November Volume %	November Frequency no	November Frequency %	December Volume cc	December Volume %	December Frequency no	December Frequency %
Squid								
Unidentified	0	0.00	0	0.00	0	0.00	1	1.22
Loligo opalescens	0	0.00	1	33.33	48	0.37	10	12.20
Onychoteuthis sp.	0	0.00	1	33.33	0	0.00	0	0.00
Gonatidae	0	0.00	1	33.33	0	0.00	13	15.85
Gonatus sp.	0	0.00	0	0.00	0	0.00	1	1.22
Miscellaneous								
Birds	0	0.00	1	33.33	0	0.00	0	0.00
Inorganic material	0	0.00	0	0.00	0	0.00	1	1.22
Crustacea	0	0.00	0	0.00	9	0.07	2	2.44
Gastropoda	0	0.00	1	33.33	0	0.00	0	0.00
Stomachs with food			3				63	
Stomachs with trace			3				33	
Stomachs without food			0				19	

Washington - 1968

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Entosphenus tridentatus	325	0.89	1	0.87	0	0.00	1	0.57
Alosa sapidissima	465	1.27	5	4.35	0	0.00	0	0.00
Clupea harengus pallasi	161	0.44	2	1.74	0	0.00	2	1.15
Engraulis mordax	4698	12.82	15	13.04	7940	26.31	20	11.49
Salmonidae	12209	33.31	20	17.39	5824	19.30	20	11.49
Oncorhynchus gorbuscha	118	0.32	1	0.87	520	1.72	1	0.57
Oncorhynchus keta	0	0.00	0	0.00	750	2.49	1	0.57
Oncorhynchus kisutch	4499	12.27	9	7.83	0	0.00	0	0.00
Osmeridae	10	0.03	1	0.87	74	0.25	3	1.72

Washington - 1968 (Continued)

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Mallotus villosus	3045	8.31	15	13.04	2726	9.03	12	6.90
Thaleichthys pacificus	3368	9.19	5	4.35	3890	12.89	8	4.60
Myctophidae	0	0.00	1	0.87	550	1.82	3	1.72
Merluccius productus	1202	3.28	3	2.61	0	0.00	0	0.00
Sebastes spp.	5722	15.61	6	5.22	5676	18.81	4	2.30
Anoplopoma fimbria	693	1.89	5	4.35	8	0.03	1	0.57
Pleuronectidae	0	0.00	0	0.00	1266	4.20	5	2.87
Unidentified	10	0.03	24	20.87	18	0.06	32	18.39
Squid								
Unidentified	0	0.00	2	1.74	0	0.00	2	1.15
Loligo opalescens	0	0.00	2	1.74	0	0.00	4	2.30
Onychoteuthis sp.	0	0.00	1	0.87	0	0.00	5	2.87
Gonatidae	0	0.00	6	5.22	0	0.00	20	11.49
Gonatus sp.	0	0.00	1	0.87	109	0.36	13	7.47
Berryteuthis magister	0	0.00	0	0.00	824	2.73	2	1.15
Chiroteuthis sp.	0	0.00	0	0.00	0	0.00	1	0.57
Miscellaneous								
Birds	0	0.00	1	0.87	0	0.00	0	0.00
Pebbles,gravel,sand	0	0.00	3	2.61	0	0.00	1	0.57
Organic material	0	0.00	1	0.87	0	0.00	1	0.57
Crustacea	130	0.35	1	0.87	0	0.00	2	1.15
Gastropoda	0	0.00	0	0.00	0	0.00	1	0.57
Caligoida and llernaeopodoida	0	0.00	1	0.87	0	0.00	6	3.45
Stomachs with food			82				98	
Stomachs with trace			27				43	
Stomachs without food			33				76	

Washington - 1969

Food Items	February Volume cc	February Volume %	February Frequency no	February Frequency %	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish								
Entosphenus tridentatus	15	0.06	2	1.64	15	0.06	1	0.47
Clupeidae	0	0.00	0	0.00	0	0.00	2	0.95
Alosa sapidissima	971	3.67	3	2.46	45	0.17	1	0.47
Clupea harengus pallasi	1484	5.60	10	8.20	217	0.82	6	2.84
Engraulis mordax	7288	27.52	19	15.57	9996	37.66	29	13.74
Salmonidae	50	0.19	2	1.64	5903	22.24	14	6.64
Osmeridae	0	0.00	0	0.00	39	0.15	4	1.90
Mallotus villosus	5834	22.03	15	12.30	4608	17.36	16	7.58
Thaleichthys pacificus	343	1.30	3	2.46	454	1.71	2	0.95
Merluccius productus	50	0.19	1	0.82	11	0.04	1	0.47
Gasterosteus aculeatus	105	0.40	2	1.64	0	0.00	0	0.00
Sebastes spp.	10101	38.14	12	9.84	5124	19.30	6	2.84
Pleuronectidae	74	0.28	1	0.82	0	0.00	0	0.00
Unidentified	20	0.08	17	13.93	16	0.06	38	18.01
Squid								
Unidentified	0	0.00	5	4.10	0	0.00	6	2.84
Loligo opalescens	57	0.22	15	12.30	0	0.00	3	1.42
Onychoteuthis sp.	86	0.32	6	4.92	107	0.40	12	5.69
Abraliopsis sp.	7	0.03	1	0.82	0	0.00	0	0.00
Gonatidae	0	0.00	6	4.92	0	0.00	7	3.32
Gonatus sp.	0	0.00	8	6.56	10	0.04	6	2.84
Miscellaneous								
Birds	0	0.00	2	1.64	0	0.00	0	0.00
Isopoda	0	0.00	1	0.82	0	0.00	0	0.00
Crustacea	0	0.00	2	1.64	0	0.00	0	0.00
Stomachs with food			78				112	
Stomachs with trace			34				56	
Stomachs without food			44				99	

Washington - 1970

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	0	0.00	0	0.00	0	0.00	1	1.67
Clupeidae	0	0.00	1	0.71	0	0.00	2	3.33
Alosa sapidissima	0	0.00	0	0.00	0	0.00	2	3.33
Clupea harengus pallasi	602	4.94	4	2.84	0	0.00	0	0.00
Engraulis mordax	3547	29.09	19	13.48	5847	55.16	19	31.67
Salmonidae	25	0.21	5	3.55	0	0.00	0	0.00
Oncorhynchus keta	0	0.00	0	0.00	711	6.71	1	1.67
Oncorhynchus nerka	0	0.00	0	0.00	1089	10.27	1	1.67
Osmeridae	0	0.00	1	0.71	0	0.00	0	0.00
Mallotus villosus	1639	13.44	8	5.67	1660	15.66	6	10.00
Thaleichthys pacificus	22	0.18	2	1.42	0	0.00	0	0.00
Myctophidae	0	0.00	0	0.00	0	0.00	1	1.67
Cololabis saira	0	0.00	0	0.00	0	0.00	1	1.67
Gasterosteus aculeatus	468	3.84	1	0.71	0	0.00	0	0.00
Trachurus symmetricus	0	0.00	0	0.00	15	0.14	1	1.67
Sebastes spp.	4235	34.73	2	1.42	0	0.00	0	0.00
Anoplopoma fimbria	0	0.00	0	0.00	160	1.51	1	1.67
Unidentified	0	0.00	18	12.77	26	0.25	6	10.00
Squid								
Octopoda	0	0.00	1	0.71	0	0.00	0	0.00
Unidentified	0	0.00	8	5.67	0	0.00	3	5.00
Loligo opalescens	1657	13.59	36	25.53	689	6.50	20	33.33
Onychoteuthis sp.	0	0.00	4	2.84	350	3.30	3	5.00
Gonatidae	0	0.00	6	4.26	0	0.00	2	3.33
Gonatus sp.	0	0.00	4	2.84	0	0.00	1	1.67
Gonatopsis borealis	0	0.00	0	0.00	53	0.50	2	3.33
Miscellaneous								
Pebbles, gravel, sand	0	0.00	1	0.71	0	0.00	0	0.00
Organic material	0	0.00	2	1.42	0	0.00	0	0.00
Isopoda	0	0.00	0	0.00	0	0.00	1	1.67
Crustacea	0	0.00	0	0.00	0	0.00	1	1.67
Stomachs with food			80				47	
Stomachs with trace			51				21	
Stomachs without food			61				13	

Washington - 1970

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Entosphenus tridentatus	226	0.58	2	1.16	0	0.00	0	0.00
Clupeidae	0	0.00	0	0.00	0	0.00	1	3.33
Clupea harengus pallasi	13	0.03	1	0.58	2731	59.96	10	33.33
Engraulis mordax	3763	9.58	9	5.23	0	0.00	0	0.00
almonidae	90	0.23	1	0.58	25	0.55	1	3.33
Oncorhynchus gorbuscha	676	1.72	2	1.16	0	0.00	0	0.00
Oncorhynchus kisutch	586	1.49	1	0.58	0	0.00	0	0.00
Oncorhynchus tshawytscha	721	1.83	1	0.58	0	0.00	0	0.00
Myctophidae	793	2.02	22	12.79	0	0.00	0	0.00
Cololabis saira	806	2.05	20	11.63	3	0.07	1	3.33
Gadidae	0	0.00	2	1.16	0	0.00	1	3.33
Merluccius productus	1742	4.43	4	2.33	81	1.78	1	3.33
Trachipteridae	0	0.00	2	1.16	0	0.00	0	0.00
Anoplopoma fimbria	904	2.30	3	1.74	0	0.00	0	0.00
Zoarcidae	0	0.00	1	0.58	0	0.00	0	0.00
Unidentified	1164	2.96	47	27.33	0	0.00	6	20.00
Squid								
Unidentified	0	0.00	8	4.65	0	0.00	1	3.33
Loligo opalescens	65	0.17	14	8.14	3	0.07	1	3.33
Onychoteuthis sp.	22971	58.45	118	68.60	1671	36.68	3	10.00
Moroteuthis robusta	0	0.00	1	0.58	0	0.00	0	0.00
braliopsis sp.	104	0.26	52	30.23	0	0.00	0	0.00
Gonatidae	221	0.56	124	72.09	0	0.00	1	3.33
Gonatus sp.	558	1.42	71	41.28	0	0.00	0	0.00
Berryteuthis magister	295	0.75	4	2.33	0	0.00	0	0.00
Gonatopsis borealis	3588	9.13	37	21.51	41	0.90	2	6.67
Chiroteuthis sp.	14	0.04	6	3.49	0	0.00	0	0.00
Miscellaneous								
Birds	0	0.00	2	1.16	0	0.00	0	0.00
Pebbles,gravel,sand	0	0.00	1	0.58	0	0.00	0	0.00
Organic material	0	0.00	0	0.00	0	0.00	1	3.33
Stomachs with food			149				22	
Stomachs with trace			48				10	
Stomachs without food			23				8	

Washington - 1971

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	0	0.00	0	0.00	135	0.59	2	1.64
Clupeidae	0	0.00	0	0.00	0	0.00	3	2.46
Alosa sapidissima	0	0.00	0	0.00	63	0.27	3	2.46
Clupea harengus pallasi	175	1.83	3	3.13	3804	16.59	17	13.93
Engraulis mordax	8038	84.17	21	21.88	5360	23.37	22	18.03
Salmonidae	521	5.46	13	13.54	4955	21.60	13	10.66
Osmeridae	0	0.00	0	0.00	70	0.31	1	0.82
Mallotus villosus	419	4.39	3	3.13	3592	15.66	14	11.48
Thaleichthys pacificus	0	0.00	0	0.00	81	0.35	4	3.28
Gadidae	0	0.00	0	0.00	0	0.00	1	0.82
Merluccius productus	0	0.00	0	0.00	2499	10.90	5	4.10
Sebastes spp.	37	0.39	1	1.04	1942	8.47	7	5.74
Unidentified	0	0.00	12	12.50	0	0.00	16	13.11
Squid								
Loligo opalescens	39	0.41	19	19.79	207	0.90	13	10.66
Onychoteuthis sp.	0	0.00	0	0.00	5	0.02	4	3.28
Gonatidae	0	0.00	12	12.50	222	0.97	13	10.66
Gonatus sp.	0	0.00	6	6.25	0	0.00	5	4.10
Chiroteuthis sp.	0	0.00	3	3.13	0	0.00	1	0.82
Miscellaneous								
Birds	321	3.36	1	1.04	0	0.00	0	0.00
Organic material	0	0.00	0	0.00	0	0.00	1	0.82
Isopoda	0	0.00	0	0.00	0	0.00	1	0.82
Crustacea	0	0.00	1	1.04	0	0.00	0	0.00
Stomachs with food		57				68		
Stomachs with trace		33				23		
Stomachs without food		39				54		

Washington - 1971

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Entosphenus tridentatus	0	0.00	1	0.74
Clupeidae	0	0.00	4	2.96
Alosa sapidissima	0	0.00	2	1.48
Clupea harengus pallasi	865	4.32	5	3.70
Engraulis mordax	3287	16.43	21	15.56
Salmonidae	6913	34.56	14	10.37
Osmeridae	0	0.00	2	1.48
Mallotus villosus	1968	9.84	16	11.85
Myctophidae	0	0.00	1	0.74
Gadidae	0	0.00	4	2.96
Merluccius productus	5209	26.04	10	7.41
Sebastes spp.	318	1.59	1	0.74
Unidentified	783	3.91	19	14.07
Squid				
Unidentified	0	0.00	1	0.74
Loligo opalescens	0	0.00	6	4.44
Onychoteuthis sp.	253	1.26	11	8.15
Abraliopsis sp.	0	0.00	1	0.74
Gonatidae	47	0.23	12	8.89
Gonatus sp.	0	0.00	5	3.70
Gonatopsis borealis	362	1.81	5	3.70
Chiroteuthis sp.	0	0.00	1	0.74
Miscellaneous				
Birds	0	0.00	1	0.74
Pebbles,gravel,sand	0	0.00	1	0.74
Crustacea	0	0.00	1	0.74
Gastropoda	0	0.00	1	0.74
Stomachs with food		79		
Stomachs with trace		32		
Stomachs without food		56		

Washington - 1972

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Entosphenus tridentatus	250	1.85	1	1.32	0	0.00	0	0.00
Clupeidae	140	1.04	3	3.95	0	0.00	0	0.00
Alosa sapidissima	694	5.14	2	2.63	1527	33.78	2	3.08
Clupea harengus pallasi	808	5.99	5	6.58	397	8.78	5	7.69
Engraulis mordax	9442	69.99	19	25.00	100	2.21	1	1.54
Salmonidae	70	0.52	2	2.63	0	0.00	4	6.15
Oncorhynchus spp.	643	4.77	1	1.32	0	0.00	1	1.54
Mallotus villosus	407	3.02	5	6.58	271	6.00	2	3.08
Thaleichthys pacificus	0	0.00	1	1.32	6	0.13	1	1.54
Tarletonbeania crenularis	0	0.00	0	0.00	5	0.11	1	1.54
Merluccius productus	0	0.00	0	0.00	70	1.55	1	1.54
Sebastes spp.	1011	7.49	2	2.63	2126	47.04	6	9.23
Pleuronectidae	25	0.19	1	1.32	0	0.00	0	0.00
Unidentified	0	0.00	9	11.84	12	0.27	10	15.38
Squid								
Unidentified	0	0.00	0	0.00	6	0.13	1	1.54
Loligo opalescens	0	0.00	5	6.58	0	0.00	0	0.00
Onychoteuthis sp.	0	0.00	6	7.89	0	0.00	2	3.08
Gonatidae	0	0.00	4	5.26	0	0.00	4	6.15
Gonatus sp.	0	0.00	3	3.95	0	0.00	2	3.08
Gonatopsis borealis	0	0.00	2	2.63	0	0.00	0	0.00
Miscellaneous								
Caligoida and *llernaeopodoida*	0	0.00	0	0.00	0	0.00	1	1.54
Stomachs with food			42				26	
Stomachs with trace			19				12	
Stomachs without food			34				39	

Washington - 1972

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Entosphenus tridentatus	0	0.00	2	1.74
Clupeidae	0	0.00	1	0.87
Clupea harengus pallasi	5243	27.45	8	6.96
Salmonidae	677	3.54	7	6.09
Osmeridae	5	0.03	1	0.87
Bathylagidae	47	0.25	10	8.70
Myctophidae	0	0.00	1	0.87
Tarletonbeania crenularis	0	0.00	1	0.87
Ammodytes hexapterus	245	1.28	1	0.87
Unidentified	150	0.79	13	11.30
Squid				
Unidentified	0	0.00	1	0.87
Loligo opalescens	7	0.04	6	5.22
Onychoteuthis sp.	3597	18.83	54	46.96
Moroteuthis robusta	0	0.00	1	0.87
Abraliopsis sp.	0	0.00	16	13.91
Octopoteuthis sp.	0	0.00	2	1.74
Gonatidae	868	4.54	80	69.57
Gonatus sp.	18	0.09	44	38.26
Berryteuthis magister	2863	14.99	14	12.17
Gonatopsis borealis	5299	27.74	23	20.00
Chiroteuthis sp.	81	0.42	8	6.96
Miscellaneous				
Pebbles, gravel, sand	0	0.00	1	0.87
Stomachs with food			94	
Stomachs with trace			41	
Stomachs without food			21	

British Columbia - 1960

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Squid								
Unidentified	0	0.00	0	0.00	0	0.00	2	50.00
Gonatus sp.	0	0.00	0	0.00	0	0.00	1	25.00
Stomachs with food			0				2	
Stomachs with trace			0				2	
Stomachs without food			1				2	

Food Items	August Volume cc	August Volume %	August Frequency no	August Frequency %
Squid				
Unidentified	0	0.00	1	100.00
Stomachs with food			1	
Stomachs with trace			1	
Stomachs without food			0	

British Columbia - 1961

Food Items	January Volume cc	January Volume %	January Frequency no	January Frequency %	February Volume cc	February Volume %	February Frequency no	February Frequency %
Fish								
Clupea harengus pallasi	2075	52.73	5	25.00	20395	92.01	19	37.25
Osmeridae	0	0.00	1	5.00	0	0.00	0	0.00
Thaleichthys pacificus	230	5.84	1	5.00	0	0.00	0	0.00
Gadidae	0	0.00	0	0.00	20	0.09	1	1.96
Gadus macrocephalus	0	0.00	0	0.00	820	3.70	1	1.96
Anoplopoma fimbria	600	15.25	1	5.00	840	3.79	1	1.96
Ammodytes hexapterus	140	3.56	1	5.00	0	0.00	0	0.00
Unidentified	0	0.00	0	0.00	0	0.00	3	5.88
Squid								
Unidentified	0	0.00	2	10.00	0	0.00	0	0.00
Loligo opalescens	890	22.62	4	20.00	90	0.41	3	5.88
Gonatidae	0	0.00	1	5.00	0	0.00	0	0.00
Miscellaneous								
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	2	3.92
Crustacea	0	0.00	1	5.00	0	0.00	1	1.96
Stomachs with food		10				27		
Stomachs with trace		1				5		
Stomachs without food		10				24		

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish				
Clupea harengus pallasi	217	9.98	3	20.00
Hypomesus pretiosus	210	9.66	1	6.67
Thaleichthys pacificus	51	2.34	1	6.67
Gadus macrocephalus	1630	74.94	3	20.00

British Columbia - 1961 (Continued)

Food Items	March Volume cc	Volume %		Frequency no	Frequency %
Squid					
Unidentified	0	0.00		3	20.00
Berryteuthis magister	67	3.08		3	20.00
Stomachs with food			8		
Stomachs with trace			1		
Stomachs without food			7		

British Columbia - 1968

Food Items	May Volume cc	Volume %		Frequency no	Frequency %
Fish					
Theragra chalcogramma	20	100.00		1	100.00
Squid					
Gonatidae	0	0.00		1	100.00
Stomachs with food			1		
Stomachs with trace			0		
Stomachs without food			0		

Gulf of Alaska - 1958

Food Items	February Volume cc	February Volume %	February Frequency no	February Frequency %	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish								
Clupea harengus pallasi	46318	99.73	33	52.38	89645	99.91	84	63.64
Mallotus villosus	127	0.27	1	1.59	0	0.00	0	0.00
Atheresthes stomias	0	0.00	0	0.00	85	0.09	1	0.76
Miscellaneous								
Pebbles,gravel,sand	0	0.00	2	3.17	0	0.00	2	1.52
Stomachs with food			33				84	
Stomachs with trace			1				8	
Stomachs without food			30				48	

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish								
Clupea harengus pallasi	7076	17.37	11	15.49	1252	1.14	4	0.82
Oncorhynchus spp.	39	0.10	2	2.82	1537	1.39	6	1.23
Oncorhynchus tshawytscha	1080	2.65	1	1.41	0	0.00	0	0.00
Mallotus villosus	1350	3.31	5	7.04	66459	60.31	71	14.58
Myctophidae	222	0.55	2	2.82	0	0.00	0	0.00
Microgadus proximus	88	0.22	2	2.82	0	0.00	0	0.00
Theragra chalcogramma	20610	50.60	15	21.13	9042	8.21	27	5.54
Sebastes spp.	0	0.00	1	1.41	714	0.65	1	0.21
Sebastes alutus	2160	5.30	2	2.82	0	0.00	0	0.00
Ammodytes hexapterus	6	0.01	1	1.41	28087	25.49	61	12.53
Pleuronectidae	0	0.00	0	0.00	714	0.65	1	0.21
Atheresthes stomias	964	2.37	1	1.41	100	0.09	1	0.21
Unidentified	670	1.64	5	7.04	510	0.46	7	1.44

Gulf of Alaska - 1958 (Continued)

Food Items	April Volume cc	April Volume %	April Frequency no	April Frequency %	May Volume cc	May Volume %	May Frequency no	May Frequency %
Squid								
Unidentified	4969	12.20	21	29.58	1775	1.61	17	3.49
Loligo opalescens	1476	3.62	2	2.82	0	0.00	0	0.00
Miscellaneous								
Pebbles,gravel,sand	0	0.00	5	7.04	0	0.00	3	0.62
Mollusca	20	0.05	1	1.41	0	0.00	0	0.00
Pelecypoda	0	0.00	0	0.00	11	0.01	1	0.21
Stomachs with food			46				147	
Stomachs with trace			15				16	
Stomachs without food			25				340	

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish				
Mallotus villosus	1205	83.10	4	11.76
Ammodytes hexapterus	205	14.14	3	8.82
Unidentified	40	2.76	1	2.94
Squid				
Unidentified	0	0.00	3	8.82
Miscellaneous				
Pebbles,gravel,sand	0	0.00	1	2.94
Cirripedia	0	0.00	1	2.94
Stomachs with food			8	
Stomachs with trace			3	
Stomachs without food			26	

Gulf of Alaska - 1960

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %	April Volume cc	April Volume %	April Frequency no	April Frequency %
Fish								
Clupea harengus pallasi	139143	97.52	118	70.66	310	0.13	1	0.37
Oncorhynchus spp.	0	0.00	0	0.00	579	0.24	1	0.37
Mallotus villosus	3070	2.15	2	1.20	212342	87.98	162	59.56
Thaleichthys pacificus	0	0.00	0	0.00	1115	0.46	2	0.74
Anotopterus pharao	0	0.00	0	0.00	0	0.00	1	0.37
Gadus macrocephalus	0	0.00	0	0.00	315	0.13	3	1.10
Theragra chalcogramma	0	0.00	0	0.00	1581	0.66	9	3.31
Gasterosteus aculeatus	0	0.00	0	0.00	159	0.07	7	2.57
Sebastes spp.	0	0.00	0	0.00	615	0.25	2	0.74
Sebastes alutus	0	0.00	0	0.00	9164	3.80	3	1.10
Anoplopoma fimbria	0	0.00	0	0.00	138	0.06	1	0.37
Cyclopteridae	0	0.00	0	0.00	1030	0.43	5	1.84
Atheresthes stomias	0	0.00	0	0.00	540	0.22	4	1.47
Unidentified	0	0.00	0	0.00	117	0.05	4	1.47
Squid								
Unidentified	0	0.00	0	0.00	204	0.08	3	1.10
Onychoteuthis sp.	0	0.00	0	0.00	405	0.17	1	0.37
Gonatus sp.	17	0.01	1	0.60	12741	5.28	6	2.21
Miscellaneous								
Birds	455	0.32	1	0.60	0	0.00	0	0.00
Pebbles, gravel, sand	0	0.00	2	1.20	0	0.00	2	0.74
Stomachs with food			120				179	
Stomachs with trace			1				7	
Stomachs without food			47				93	

Gulf of Alaska - 1960

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Clupea harengus pallasi	0	0.00	1	0.22	0	0.00	0	0.00
Mallotus villosus	10553	3.74	15	3.31	0	0.00	0	0.00
Gadus macrocephalus	1536	0.55	2	0.44	0	0.00	0	0.00
Theragra chalcogramma	335	0.12	7	1.55	0	0.00	0	0.00
Sebastes spp.	995	0.35	4	0.88	0	0.00	0	0.00
Sebastes alutus	0	0.00	0	0.00	3200	37.89	1	12.50
Cyclopteridae	191	0.07	1	0.22	0	0.00	0	0.00
Trichodon trichodon	0	0.00	1	0.22	0	0.00	0	0.00
Ammodytes hexapterus	267548	94.93	231	50.99	4170	49.38	2	25.00
Atheresthes stomias	670	0.24	1	0.22	0	0.00	0	0.00
Squid								
Unidentified	0	0.00	2	0.44	150	1.78	2	25.00
Onychoteuthis sp.	0	0.00	2	0.44	0	0.00	0	0.00
Gonatus sp.	0	0.00	3	0.66	925	10.95	1	12.50
Miscellaneous								
Pebbles, gravel, sand	0	0.00	2	0.44	0	0.00	0	0.00
Mollusca	0	0.00	1	0.22	0	0.00	0	0.00
Stomachs with food			250				6	
Stomachs with trace			10				1	
Stomachs without food			203				2	

Gulf of Alaska - 1961

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %
Fish				
Clupea harengus pallasi	468	90.00	1	16.67
Gadidae	0	0.00	1	16.67

Gulf of Alaska - 1961 (Continued)

Food Items	March Volume cc	March Volume %	March Frequency no	March Frequency %
Squid				
Unidentified	52	10.00	1	16.67
Stomachs with food			1	
Stomachs with trace			0	
Stomachs without food			5	

Gulf of Alaska - 1962

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %
Fish				
Mallotus villosus	0	0.00	1	25.00
Theragra chalcogramma	1900	15.95	1	25.00
Squid				
Berryteuthis magister	10010	84.05	3	75.00
Stomachs with food			4	
Stomachs with trace			0	
Stomachs without food			0	

Gulf of Alaska - 1968

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Osmeridae	0	0.00	2	2.02	0	0.00	1	6.67
Mallotus villosus	7415	14.69	14	14.14	0	0.00	0	0.00
Myctophidae	0	0.00	1	1.01	0	0.00	0	0.00
Cololabis saira	127	0.25	1	1.01	0	0.00	0	0.00
Gadidae	0	0.00	1	1.01	0	0.00	0	0.00
Theragra chalcogramma	14725	29.17	13	13.13	280	46.67	2	13.33

Gulf of Alaska - 1968 (Continued)

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Trichodon trichodon	70	0.14	1	1.01	0	0.00	0	0.00
Ammodytes hexapterus	825	1.63	2	2.02	0	0.00	0	0.00
Unidentified	668	1.32	15	15.15	85	14.17	4	26.67
Squid								
Unidentified	0	0.00	2	2.02	0	0.00	1	6.67
Gonatidae	0	0.00	46	46.46	0	0.00	5	33.33
Gonatus sp.	233	0.46	9	9.09	0	0.00	1	6.67
Berryteuthis magister	8804	17.44	21	21.21	0	0.00	0	0.00
Gonatopsis borealis	17613	34.89	27	27.27	235	39.17	1	6.67
Miscellaneous								
Pebbles,gravel,sand	0	0.00	2	2.02	0	0.00	1	6.67
Caligoida and *llernaeopodoida*	0	0.00	4	4.04	0	0.00	0	0.00
Stomachs with food			77				9	
Stomachs with trace			22				5	
Stomachs without food			22				6	

Food Items	August Volume cc	August Volume %	August Frequency no	August Frequency %
Squid				
Gonatidae	0	0.00	1	100.00
Stomachs with food			1	
Stomachs with trace			1	
Stomachs without food			0	

Western Alaska - 1958

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish				
Oncorhynchus spp.	72	0.33	2	1.85
Oncorhynchus gorbuscha	660	3.03	1	0.93
Mallotus villosus	16539	75.80	36	33.33
Ammodytes hexapterus	1446	6.63	8	7.41
Atheresthes stomias	399	1.83	1	0.93
Unidentified	0	0.00	3	2.78
Squid				
Unidentified	2702	12.38	28	25.93
Miscellaneous				
Pebbles,gravel,sand	0	0.00	1	0.93
Stomachs with food		52		
Stomachs with trace		13		
Stomachs without food		56		

Western Alaska - 1960

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish				
Entosphenus tridentatus	220	0.29	1	0.63
Clupea harengus pallasi	45	0.06	1	0.63
Oncorhynchus spp.	2525	3.33	8	5.06
Oncorhynchus gorbuscha	820	1.08	1	0.63
Oncorhynchus keta	2420	3.19	3	1.90
Oncorhynchus kisutch	879	1.16	1	0.63
Oncorhynchus nerka	590	0.78	1	0.63
Oncorhynchus tshawytscha	1370	1.80	1	0.63
Mallotus villosus	512	0.67	8	5.06

Western Alaska - 1960 (Continued)

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Theragra chalcogramma	11140	14.67	6	3.80
Sebastes spp.	500	0.66	1	0.63
Pleurogrammus monopterygius	370	0.49	1	0.63
Cottidae	245	0.32	1	0.63
Cyclopteridae	85	0.11	1	0.63
Trichodon trichodon	130	0.17	2	1.27
Ammodytes hexapterus	49004	64.55	57	36.08
Bathymaster signatus	4525	5.96	1	0.63
Unidentified	10	0.01	2	1.27
Squid				
Unidentified	50	0.07	13	8.23
Miscellaneous				
Birds	480	0.63	1	0.63
Pebbles,gravel,sand	0	0.00	5	3.16
Stomachs with food		84		
Stomachs with trace		7		
Stomachs without food		74		

Western Alaska - 1962

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Oncorhynchus spp.	0	0.00	0	0.00	1410	2.54	6	2.49
Mallotus villosus	1450	34.86	3	14.29	16162	29.10	47	19.50
Theragra chalcogramma	55	1.32	1	4.76	110	0.20	3	1.24
Pleurogrammus monopterygius	0	0.00	0	0.00	285	0.51	3	1.24
Ammodytes hexapterus	2160	51.92	1	4.76	6136	11.05	25	10.37
Unidentified	0	0.00	1	4.76	0	0.00	11	4.56

Western Alaska - 1962 (Continued)

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Squid								
Unidentified	0	0.00	0	0.00	0	0.00	21	8.71
Gonatidae	0	0.00	0	0.00	90	0.16	14	5.81
Berryteuthis magister	495	11.90	3	14.29	31337	56.43	44	18.26
Miscellaneous								
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	7	2.90
Isopoda	0	0.00	0	0.00	0	0.00	3	1.24
Mollusca	0	0.00	0	0.00	0	0.00	1	0.41
Stomachs with food			7				127	
Stomachs with trace			1				52	
Stomachs without food			14				114	

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Fish								
Clupea harengus pallasi	0	0.00	0	0.00	497	6.24	2	2.33
Oncorhynchus spp.	420	77.78	2	14.29	200	2.51	1	1.16
Mallotus villosus	100	18.52	1	7.14	5110	64.20	25	29.07
Theragra chalcogramma	0	0.00	0	0.00	214	2.69	1	1.16
Pleurogrammus monopterygius	0	0.00	0	0.00	1292	16.23	13	15.12
Unidentified	5	0.93	2	14.29	165	2.07	5	5.81
Squid								
Unidentified	0	0.00	0	0.00	0	0.00	2	2.33
Gonatidae	15	2.78	2	14.29	40	0.50	4	4.65
Berryteuthis magister	0	0.00	2	14.29	427	5.36	2	2.33
Gonatopsis borealis	0	0.00	0	0.00	15	0.19	1	1.16

Western Alaska - 1962 (Continued)

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Miscellaneous								
Pebbles,gravel,sand	0	0.00	1	7.14	0	0.00	6	6.98
Isopoda	0	0.00	0	0.00	0	0.00	1	1.16
Stomachs with food			6				35	
Stomachs with trace			2				6	
Stomachs without food			8				51	

Food Items	September Volume cc	September Volume %	September Frequency no	September Frequency %	October Volume cc	October Volume %	October Frequency no	October Frequency %
Fish								
Mallotus villosus	2858	90.87	14	42.42	0	0.00	0	0.00
Pleurogrammus monopterygius	287	9.13	4	12.12	10	100.00	1	25.00
Unidentified	0	0.00	0	0.00	0	0.00	1	25.00
Squid								
Gonatidae	0	0.00	1	3.03	0	0.00	1	25.00
Miscellaneous								
Pebbles,gravel,sand	0	0.00	1	3.03	0	0.00	0	0.00
Isopoda	0	0.00	3	9.09	0	0.00	0	0.00
Stomachs with food			15				1	
Stomachs with trace			1				0	
Stomachs without food			18				3	

Western Alaska - 1968

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %	July Volume cc	July Volume %	July Frequency no	July Frequency %
Fish								
Salmonidae	5407	12.15	5	4.20	1195	40.44	6	28.57
Osmeridae	0	0.00	1	0.84	0	0.00	0	0.00
Mallotus villosus	1553	3.49	6	5.04	1722	58.27	6	28.57
Gadidae	0	0.00	1	0.84	0	0.00	0	0.00
Gadus macrocephalus	0	0.00	1	0.84	0	0.00	0	0.00
Theragra chalcogramma	6151	13.82	11	9.24	38	1.29	2	9.52
Pleurogrammus monopterygius	26844	60.32	34	28.57	0	0.00	0	0.00
Ammodytes hexapterus	325	0.73	3	2.52	0	0.00	0	0.00
Unidentified	0	0.00	8	6.72	0	0.00	3	14.29
Squid								
Unidentified	0	0.00	4	3.36	0	0.00	0	0.00
Gonatidae	256	0.58	58	48.74	0	0.00	6	28.57
Gonatus sp.	58	0.13	8	6.72	0	0.00	0	0.00
Berryteuthis magister	736	1.65	2	1.68	0	0.00	0	0.00
Gonatopsis borealis	3047	6.85	9	7.56	0	0.00	1	4.76
Miscellaneous								
Birds	125	0.28	2	1.68	0	0.00	0	0.00
Pebbles,gravel,sand	0	0.00	1	0.84	0	0.00	2	9.52
Organic material	0	0.00	1	0.84	0	0.00	0	0.00
Isopoda	0	0.00	6	5.04	0	0.00	0	0.00
Crustacea	0	0.00	1	0.84	0	0.00	0	0.00
Gastropoda	0	0.00	5	4.20	0	0.00	0	0.00
Caligoida and llernaeopodoida	0	0.00	1	0.84	0	0.00	1	4.76
Stomachs with food			87				14	
Stomachs with trace			39				6	
Stomachs without food			32				7	

Eastern Bering Sea - 1958

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish				
Mallotus villosus	1150	100.00	1	50.00
Stomachs with food			1	
Stomachs with trace			0	
Stomachs without food			1	

Eastern Bering Sea - 1960

Food Items	June Volume cc	June Volume %	June Frequency no	June Frequency %	July Volume cc	July Volume %	July Frequency no	July Frequency %
Fish								
Oncorhynchus spp.	0	0.00	0	0.00	717	1.10	3	1.11
Oncorhynchus keta	0	0.00	0	0.00	1650	2.54	1	0.37
Osmeridae	0	0.00	1	1.82	15	0.02	1	0.37
Mallotus villosus	2745	87.70	11	20.00	12517	19.28	41	15.13
Theragra chalcogramma	385	12.30	2	3.64	39807	61.31	79	29.15
Hexagrammidae	0	0.00	0	0.00	145	0.22	1	0.37
Cottidae	0	0.00	0	0.00	70	0.11	1	0.37
Unidentified	0	0.00	0	0.00	290	0.45	3	1.11
Squid								
Unidentified	0	0.00	2	3.64	9680	14.91	50	18.45
Miscellaneous								
Pebbles,gravel,sand	0	0.00	1	1.82	0	0.00	2	0.74
Mollusca	0	0.00	0	0.00	35	0.05	1	0.37
Crustacea	0	0.00	0	0.00	5	0.01	3	1.11
Stomachs with food			15				152	
Stomachs with trace			4				23	
Stomachs without food			40				119	

Eastern Bering Sea - 1960

Food Items	August Volume cc	August Volume %	August Frequency no	August Frequency %
Fish				
Oncorhynchus spp.	750	1.51	1	1.01
Oncorhynchus keta	1240	2.50	1	1.01
Osmeridae	1320	2.66	1	1.01
Mallotus villosus	1327	2.68	5	5.05
Myctophidae	22	0.04	1	1.01
Gadus macrocephalus	60	0.12	1	1.01
Theragra chalcogramma	37124	74.86	28	28.28
Anoplopoma fimbria	22	0.04	1	1.01
Pleurogrammus monopterygius	85	0.17	3	3.03
Ammodytes hexapterus	3191	6.44	5	5.05
Hippoglossus stenolepis	2736	5.52	1	1.01
Unidentified	0	0.00	1	1.01
Squid				
Unidentified	1711	3.45	40	40.40
Miscellaneous				
Pebbles, gravel, sand	0	0.00	1	1.01
Stomachs with food			61	
Stomachs with trace			20	
Stomachs without food			38	

Eastern Bering Sea - 1962

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Fish								
Oncorhynchus spp.	0	0.00	0	0.00	172	1.41	1	1.16
Mallotus villosus	0	0.00	0	0.00	7650	62.55	36	41.86
Theragra chalcogramma	0	0.00	0	0.00	295	2.41	2	2.33

Eastern Bering Sea - 1962 (Continued)

Food Items	May Volume cc	May Volume %	May Frequency no	May Frequency %	June Volume cc	June Volume %	June Frequency no	June Frequency %
Pleurogrammus monopterygius	0	0.00	0	0.00	3202	26.18	6	6.98
Ammodytes hexapterus	0	0.00	0	0.00	100	0.82	2	2.33
Unidentified	0	0.00	0	0.00	5	0.04	5	5.81
Squid								
Unidentified	0	0.00	0	0.00	2	0.02	4	4.65
Gonatidae	0	0.00	0	0.00	34	0.28	6	6.98
Berryteuthis magister	0	0.00	0	0.00	545	4.46	12	13.95
Gonatopsis borealis	0	0.00	0	0.00	225	1.84	4	4.65
Miscellaneous								
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	4	4.65
Isopoda	0	0.00	0	0.00	0	0.00	2	2.33
Stomachs with food			0				53	
Stomachs with trace			0				13	
Stomachs without food			1				33	

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Fish								
Clupea harengus pallasi	0	0.00	0	0.00	970	1.03	5	1.05
Oncorhynchus spp.	70	0.20	1	0.34	4281	4.53	6	1.27
Mallotus villosus	25984	75.46	73	24.58	58636	62.06	126	26.58
Thaleichthys pacificus	44	0.13	1	0.34	1014	1.07	9	1.90
Theragra chalcogramma	4343	12.61	20	6.73	17266	18.27	55	11.60
Pleurogrammus monopterygius	3494	10.15	14	4.71	2086	2.21	14	2.95
Bathymasteridae	108	0.31	1	0.34	0	0.00	0	0.00
Unidentified	0	0.00	11	3.70	157	0.17	11	2.32

Eastern Bering Sea - 1962 (Continued)

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Squid								
Unidentified	66	0.19	9	3.03	0	0.00	32	6.75
Gonatidae	45	0.13	26	8.75	502	0.53	74	15.61
Gonatus sp.	0	0.00	8	2.69	280	0.30	50	10.55
Berryteuthis magister	246	0.71	9	3.03	5454	5.77	35	7.38
Gonatopsis borealis	35	0.10	2	0.67	3839	4.06	25	5.27
Miscellaneous								
Birds	0	0.00	2	0.67	0	0.00	1	0.21
Pebbles,gravel,sand	0	0.00	7	2.36	0	0.00	14	2.95
Isopoda	0	0.00	5	1.68	0	0.00	3	0.63
Mollusca	0	0.00	2	0.67	0	0.00	3	0.63
Crustacea	0	0.00	1	0.34	0	0.00	1	0.21
Stomachs with food			137				277	
Stomachs with trace			50				80	
Stomachs without food			160				197	

Food Items	September Volume cc	September Volume %	September Frequency no	September Frequency %	October Volume cc	October Volume %	October Frequency no	October Frequency %
Fish								
Clupea harengus pallasi	196	0.53	2	1.11	0	0.00	0	0.00
Oncorhynchus spp.	247	0.66	1	0.56	0	0.00	0	0.00
Mallotus villosus	18606	49.87	44	24.44	13494	93.97	22	51.16
Thaleichthys pacificus	129	0.35	2	1.11	28	0.19	1	2.33
Theragra chalcogramma	10342	27.72	18	10.00	0	0.00	0	0.00
Pleurogrammus monopterygius	1555	4.17	15	8.33	423	2.95	8	18.60
Ammodytes hexapterus	0	0.00	0	0.00	45	0.31	2	4.65
Unidentified	68	0.18	5	2.78	0	0.00	1	2.33

Eastern Bering Sea - 1962 (Continued)

Food Items	September Volume cc	September Volume %	September Frequency no	September Frequency %	October Volume cc	October Volume %	October Frequency no	October Frequency %
Squid								
Unidentified	0	0.00	11	6.11	0	0.00	3	6.98
Gonatidae	283	0.76	34	18.89	0	0.00	3	6.98
Gonatus sp.	25	0.07	12	6.67	0	0.00	1	2.33
Berryteuthis magister	2239	6.00	11	6.11	370	2.58	3	6.98
Gonatopsis borealis	3620	9.70	13	7.22	0	0.00	0	0.00
Miscellaneous								
Birds	0	0.00	1	0.56	0	0.00	0	0.00
Pebbles, gravel, sand	0	0.00	4	2.22	0	0.00	0	0.00
Isopoda	0	0.00	5	2.78	0	0.00	1	2.33
Mollusca	0	0.00	1	0.56	0	0.00	0	0.00
Stomachs with food			111				29	
Stomachs with trace			42				3	
Stomachs without food			69				14	

Eastern Bering Sea - 1963

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Fish								
Clupea harengus pallasi	0	0.00	0	0.00	18825	9.62	15	1.67
Salmonidae	2042	2.58	6	1.40	1620	0.83	2	0.22
Oncorhynchus spp.	1409	1.78	3	0.70	2060	1.05	3	0.33
Mallotus villosus	15574	19.71	33	7.71	39797	20.34	106	11.82
Bathylagidae	7124	9.01	26	6.07	12993	6.64	69	7.69
Myctophidae	0	0.00	0	0.00	15	0.01	2	0.22
Lampanyctus sp.	0	0.00	0	0.00	10	0.01	1	0.11
Gadidae	0	0.00	0	0.00	3043	1.56	10	1.11
Theragra chalcogramma	11188	14.16	31	7.24	9758	4.99	15	1.67

Eastern Bering Sea - 1963 (Continued)

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Sebastes spp.	270	0.34	1	0.23	0	0.00	0	0.00
Pleurogrammus monopterygius	1241	1.57	7	1.64	5422	2.77	5	0.56
Cottidae	0	0.00	0	0.00	0	0.00	1	0.11
Cyclopteridae	122	0.15	2	0.47	0	0.00	0	0.00
Trichodontidae	0	0.00	0	0.00	120	0.06	1	0.11
Trichodon trichodon	0	0.00	0	0.00	12	0.01	1	0.11
Ammodytes hexapterus	27	0.03	1	0.23	1714	0.88	12	1.34
Pleuronectidae	10	0.01	1	0.23	534	0.27	9	1.00
Reinhardtius hippoglossoides	0	0.00	0	0.00	1777	0.91	16	1.78
Unidentified	518	0.66	20	4.67	88	0.04	34	3.79
Squid								
Unidentified	0	0.00	1	0.23	0	0.00	0	0.00
Gonatidae	3116	3.94	200	46.73	5237	2.68	417	46.49
Gonatus sp.	1152	1.46	74	17.29	3321	1.70	215	23.97
Berryteuthis magister	11200	14.17	42	9.81	50067	25.59	117	13.04
Gonatopsis borealis	24037	30.42	86	20.09	39218	20.05	189	21.07
Miscellaneous								
Pebbles, gravel, sand	0	0.00	7	1.64	0	0.00	26	2.90
Organic material	0	0.00	0	0.00	0	0.00	2	0.22
Isopoda	0	0.00	3	0.70	0	0.00	0	0.00
Mollusca	0	0.00	5	1.17	0	0.00	15	1.67
Crustacea	0	0.00	2	0.47	0	0.00	2	0.22
Pelecypoda	0	0.00	1	0.23	0	0.00	0	0.00
Stomachs with food			256				536	
Stomachs with trace			123				246	
Stomachs without food			172				361	

Eastern Bering Sea - 1963

Food Items	September Volume cc	September Volume %	September Frequency no	September Frequency %
Fish				
Mallotus villosus	400	6.32	1	3.45
Gadidae	0	0.00	1	3.45
Theragra chalcogramma	700	11.06	1	3.45
Pleurogrammus monopterygius	856	13.52	3	10.34
Ammodytes hexapterus	119	1.88	2	6.90
Pleuronectidae	6	0.09	1	3.45
Unidentified	0	0.00	2	6.90
Squid				
Gonatidae	204	3.22	14	48.28
Gonatus sp.	68	1.07	4	13.79
Berryteuthis magister	1546	24.42	4	13.79
Gonatopsis borealis	2431	38.40	5	17.24
Miscellaneous				
Pebbles, gravel, sand	0	0.00	2	6.90
Stomachs with food		17		
Stomachs with trace		9		
Stomachs without food		12		

Eastern Bering Sea - 1964

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Fish								
Clupea harengus pallasi	0	0.00	0	0.00	69380	36.56	43	12.61
Oncorhynchus spp.	0	0.00	0	0.00	225	0.12	4	1.17
Oncorhynchus gorbuscha	770	3.11	1	0.71	0	0.00	0	0.00
Oncorhynchus keta	0	0.00	0	0.00	4215	2.22	1	0.29
Oncorhynchus nerka	298	1.20	1	0.71	0	0.00	0	0.00
Mallotus villosus	585	2.37	2	1.43	14995	7.90	29	8.50

Eastern Bering Sea - 1964 (Continued)

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Bathylagidae	4117	16.64	16	11.43	5590	2.95	24	7.04
Gadidae	0	0.00	0	0.00	2629	1.39	16	4.69
Theragra chalcogramma	2354	9.52	2	1.43	29296	15.44	31	9.09
Pleurogrammus monopterygius	0	0.00	0	0.00	0	0.00	2	0.59
Cyclopteridae	0	0.00	0	0.00	10	0.01	1	0.29
Aptocyclus ventricosus	0	0.00	0	0.00	763	0.40	2	0.59
Ammodytes hexapterus	0	0.00	0	0.00	235	0.12	6	1.76
Anarhichadidae	0	0.00	0	0.00	62	0.03	4	1.17
Anarhichas orientalis	0	0.00	0	0.00	34	0.02	1	0.29
Pleuronectidae	0	0.00	0	0.00	0	0.00	2	0.59
Reinhardtius hippoglossoides	0	0.00	0	0.00	4848	2.55	33	9.68
Unidentified	6	0.02	10	7.14	0	0.00	12	3.52
Squid								
Unidentified	0	0.00	13	9.29	0	0.00	7	2.05
Gonatidae	645	2.61	75	53.57	859	0.45	74	21.70
Gonatus sp.	35	0.14	11	7.86	1072	0.56	31	9.09
Berryteuthis magister	11185	45.22	19	13.57	51230	26.99	42	12.32
Gonatopsis borealis	4740	19.16	23	16.43	4351	2.29	37	10.85
Miscellaneous								
Birds	0	0.00	1	0.71	0	0.00	1	0.29
Pebbles,gravel,sand	0	0.00	0	0.00	0	0.00	15	4.40
Organic material	0	0.00	1	0.71	0	0.00	0	0.00
Isopoda	0	0.00	1	0.71	0	0.00	0	0.00
Mollusca	0	0.00	0	0.00	0	0.00	3	0.88
Pelecypoda	0	0.00	0	0.00	0	0.00	3	0.88
Cirripedia	0	0.00	0	0.00	0	0.00	2	0.59
Gastropoda	0	0.00	0	0.00	0	0.00	1	0.29
Stomachs with food			97				213	
Stomachs with trace			62				49	
Stomachs without food			43				128	

Eastern Bering Sea - 1964

Food Items	September Volume cc	September Volume %	September Frequency no	September Frequency %
Fish				
Mallotus villosus	31	0.24	1	1.89
Bathylagidae	6075	46.83	19	35.85
Gadidae	0	0.00	1	1.89
Theragra chalcogramma	279	2.15	1	1.89
Pleurogrammus monopterygius	16	0.12	2	3.77
Unidentified	0	0.00	2	3.77
Squid				
Unidentified	0	0.00	5	9.43
Gonatidae	255	1.97	37	69.81
Gonatus sp.	233	1.80	22	41.51
Berryteuthis magister	808	6.23	7	13.21
Gonatopsis borealis	5275	40.66	23	43.40
Miscellaneous				
Organic material	0	0.00	1	1.89
Stomachs with food		46		
Stomachs with trace		17		
Stomachs without food		7		

Eastern Bering Sea - 1966

Food Items	November Volume cc	November Volume %	November Frequency no	November Frequency %
Fish				
Unidentified	0	0.00	1	100.00
Squid				
Gonatidae	0	0.00	1	100.00
Stomachs with food		1		
Stomachs with trace		1		
Stomachs without food		0		

Eastern Bering Sea - 1968

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Fish								
Salmonidae	1555	3.75	6	5.56	575	1.92	2	2.17
Mallotus villosus	1854	4.47	5	4.63	0	0.00	0	0.00
Bathylagidae	710	1.71	6	5.56	1188	3.97	7	7.61
Gadidae	25	0.06	2	1.85	0	0.00	2	2.17
Gadus macrocephalus	0	0.00	4	3.70	0	0.00	0	0.00
Theragra chalcogramma	31901	76.90	26	24.07	11206	37.41	8	8.70
Pleurogrammus monopterygius	180	0.43	2	1.85	755	2.52	2	2.17
Ammodytes hexapterus	250	0.60	1	0.93	0	0.00	0	0.00
Unidentified	15	0.04	6	5.56	0	0.00	4	4.35
Squid								
Unidentified	0	0.00	2	1.85	835	2.79	3	3.26
Gonatidae	85	0.20	42	38.89	150	0.50	47	51.09
Gonatus sp.	114	0.27	14	12.96	52	0.17	23	25.00
Berryteuthis magister	948	2.29	6	5.56	11568	38.62	8	8.70
Gonatopsis borealis	3848	9.28	13	12.04	3626	12.10	19	20.65
Miscellaneous								
Birds	0	0.00	0	0.00	0	0.00	1	1.09
Pebbles, gravel, sand	0	0.00	3	2.78	0	0.00	2	2.17
Stomachs with food			78				53	
Stomachs with trace			29				26	
Stomachs without food			30				39	

Eastern Bering Sea - 1973

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Fish								
Entosphenus tridentatus	0	0.00	0	0.00	0	0.00	1	0.38
Salmonidae	460	0.58	3	1.58	0	0.00	0	0.00

Eastern Bering Sea - 1973 (Continued)

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Osmeridae	0	0.00	0	0.00	0	0.00	2	0.76
Mallotus villosus	0	0.00	0	0.00	25	0.03	2	0.76
Bathylagidae	1942	2.43	8	4.21	2704	2.90	9	3.44
Myctophidae	0	0.00	0	0.00	0	0.00	1	0.38
Gadidae	100	0.13	8	4.21	15359	16.48	58	22.14
Gadus macrocephalus	0	0.00	0	0.00	930	1.00	1	0.38
Theragra chalcogramma	72427	90.74	83	43.68	56564	60.69	60	22.90
Anoplopoma fimbria	0	0.00	0	0.00	0	0.00	1	0.38
Pleurogrammus monopterygius	112	0.14	1	0.53	76	0.08	3	1.15
Bathymasteridae	0	0.00	0	0.00	25	0.03	1	0.38
Reinhardtius hippoglossoides	0	0.00	1	0.53	2134	2.29	28	10.69
Unidentified	30	0.04	17	8.95	341	0.37	25	9.54
Squid								
Unidentified	0	0.00	5	2.63	0	0.00	3	1.15
Gonatidae	354	0.44	68	35.79	71	0.08	102	38.93
Gonatus sp.	228	0.29	32	16.84	246	0.26	33	12.60
Berryteuthis magister	2030	2.54	19	10.00	9952	10.68	46	17.56
Gonatopsis borealis	2132	2.67	20	10.53	4694	5.04	24	9.16
Miscellaneous								
Birds	0	0.00	0	0.00	0	0.00	1	0.38
Pebbles,gravel,sand	0	0.00	2	1.05	0	0.00	7	2.67
Inorganic material	0	0.00	0	0.00	0	0.00	1	0.38
Isopoda	0	0.00	1	0.53	0	0.00	0	0.00
Amphipoda	0	0.00	0	0.00	83	0.09	8	3.05
Crustacea	0	0.00	0	0.00	0	0.00	1	0.38
Gastropoda	0	0.00	1	0.53	0	0.00	3	1.15
Unidentified tube worm	0	0.00	0	0.00	0	0.00	1	0.38
Stomachs with food			148				191	
Stomachs with trace			53				79	
Stomachs without food			42				71	

Eastern Bering Sea - 1973

Food Items	September Volume cc	September Volume %	September Frequency no	September Frequency %
Fish				
Osmeridae	48	0.07	7	3.14
Mallotus villosus	1087	1.62	11	4.93
Bathylagidae	5345	7.97	13	5.83
Gadidae	20008	29.82	81	36.32
Theragra chalcogramma	32511	48.46	50	22.42
Anoplopoma fimbria	0	0.00	1	0.45
Reinhardtius hippoglossoides	1796	2.68	35	15.70
Unidentified	45	0.07	11	4.93
Squid				
Unidentified	0	0.00	3	1.35
Gonatidae	0	0.00	75	33.63
Gonatus sp.	238	0.35	31	13.90
Berryteuthis magister	4646	6.92	33	14.80
Gonatopsis borealis	1367	2.04	14	6.28
Miscellaneous				
Pebbles,gravel,sand	0	0.00	5	2.24
Gastropoda	0	0.00	1	0.45
Stomachs with food			178	
Stomachs with trace			71	
Stomachs without food			45	

Eastern Bering Sea - 1974

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Fish								
Oncorhynchus nerka	0	0.00	0	0.00	270	1.12	1	0.49
Mallotus villosus	0	0.00	1	0.74	0	0.00	0	0.00
Bathylagidae	0	0.00	0	0.00	1315	5.47	3	1.46

Eastern Bering Sea - 1974 (Continued)

Food Items	July Volume cc	July Volume %	July Frequency no	July Frequency %	August Volume cc	August Volume %	August Frequency no	August Frequency %
Gadidae	1705	10.91	9	6.67	3274	13.62	25	12.20
Theragra chalcogramma	13658	87.41	20	14.81	15198	63.21	26	12.68
Hexagrammidae	0	0.00	0	0.00	15	0.06	1	0.49
Pleurogrammus monopterygius	90	0.58	2	1.48	3223	13.40	9	4.39
Ammodytes hexapterus	15	0.10	1	0.74	0	0.00	0	0.00
Reinhardtius hippoglossoides	20	0.13	1	0.74	0	0.00	2	0.98
Unidentified	128	0.82	14	10.37	15	0.06	19	9.27
Squid								
Unidentified	0	0.00	0	0.00	0	0.00	3	1.46
Gonatidae	0	0.00	12	8.89	24	0.10	52	25.37
Gonatus sp.	0	0.00	7	5.19	41	0.17	26	12.68
Berryteuthis magister	9	0.06	1	0.74	320	1.33	2	0.98
Gonatopsis borealis	0	0.00	0	0.00	350	1.46	4	1.95
Miscellaneous								
Pebbles,gravel,sand	0	0.00	7	5.19	0	0.00	18	8.78
Organic material	0	0.00	0	0.00	0	0.00	2	0.98
Unidentified invertebratees	0	0.00	2	1.48	0	0.00	0	0.00
Amphipoda	0	0.00	1	0.74	0	0.00	1	0.49
Mollusca	0	0.00	3	2.22	0	0.00	10	4.88
Crustacea	0	0.00	0	0.00	0	0.00	2	0.98
Pelecypoda	0	0.00	1	0.74	0	0.00	0	0.00
Gastropoda	0	0.00	3	2.22	0	0.00	1	0.49
Stomachs with food			52				110	
Stomachs with trace			24				60	
Stomachs without food			83				95	

Eastern Bering Sea - 1974

Food Items	September Volume cc	Volume %	Frequency no	Frequency %
Fish				
Mallotus villosus	38	0.41	1	2.94
Gadidae	1054	11.44	7	20.59
Theragra chalcogramma	7014	76.12	8	23.53
Anarhichas orientalis	504	5.47	2	5.88
Reinhardtius hippoglossoides	528	5.73	10	29.41
Unidentified	0	0.00	2	5.88
Squid				
Gonatidae	38	0.41	9	26.47
Gonatus sp.	39	0.42	4	11.76
Miscellaneous				
Pebbles, gravel, sand	0	0.00	5	14.71
Mollusca	0	0.00	2	5.88
Stomachs with food		23		
Stomachs with trace		6		
Stomachs without food		11		