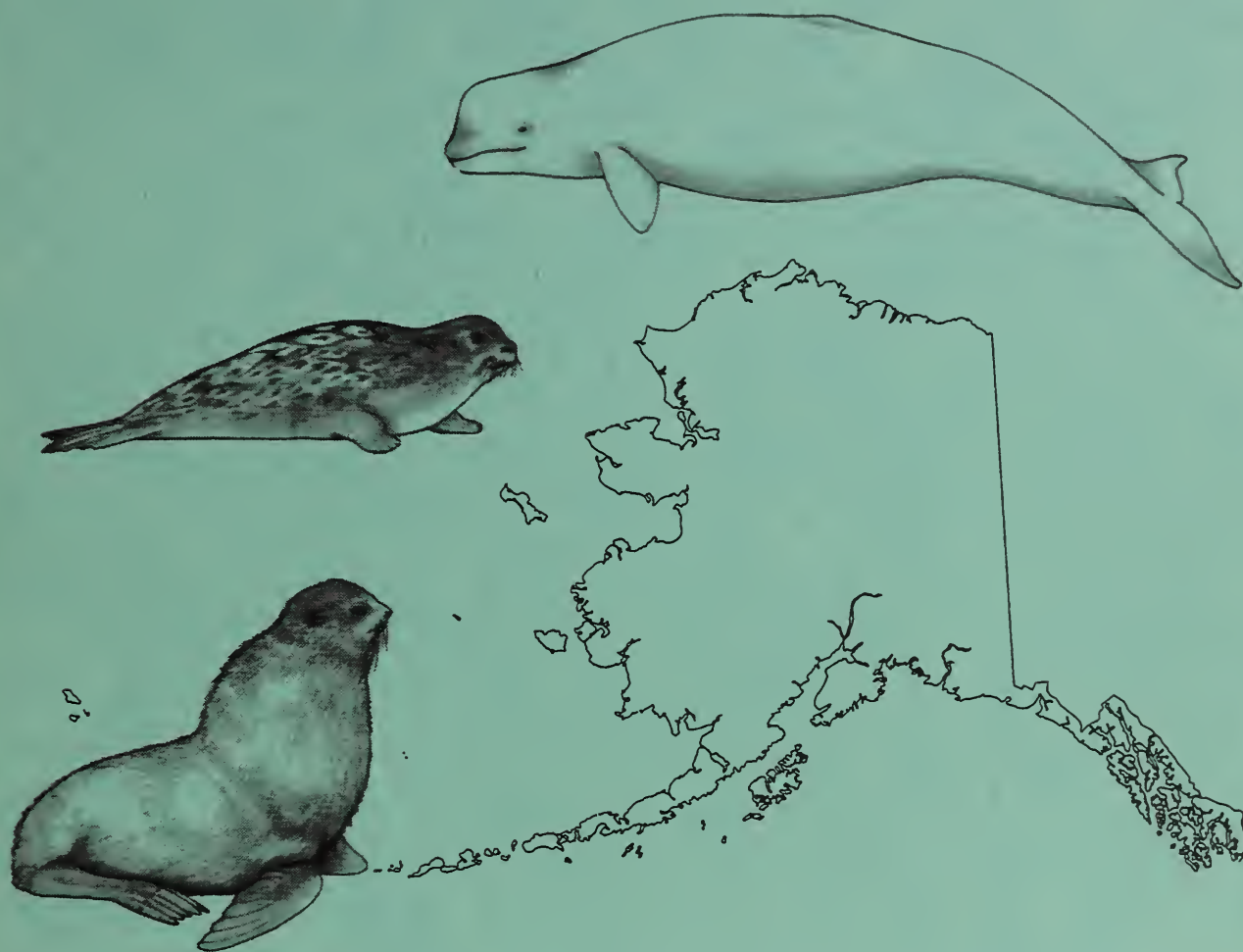




ALASKA MARINE MAMMAL TISSUE ARCHIVAL PROJECT: SPECIMEN INVENTORY



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ABSTRACT

The Alaska Marine Mammal Tissue Archival Project (AMMTAP) was initiated in 1987 to aid in the monitoring of contaminants in the Alaskan environment. Standardized sampling protocols for the collection of marine mammal tissue were developed to ensure representative and non-contaminated specimens. The tissues samples are then archived in the National Biomonitoring Specimen Bank (NBSB) at the National Institute of Standards and Technology (NIST). In the NBSB, the tissues are stored in vapor phase liquid nitrogen freezers until required for analysis. Organic and inorganic analyses have been performed on approximately 75% of the animals to establish baseline data so that comparison can be made with other data and future analyses. This document contains the current inventory of the AMMTAP archive. Included in the inventory is information such as: species, location collected, morphometrics, tissues collected, and dispositions of the tissue, i.e., archived or homogenized for analysis. This document contains the records for the collection of tissue from 121 animals sampled between July 87 - July 94. The collections are continuing with the support of the National Oceanic and Atmospheric Administration (NOAA) and the National Biological Survey (NBS).

Key Words: Alaska; tissue archival; marine mammals; specimen banking; inventory

PREFACE

In 1987, the Minerals Management Service (MMS) provided funds to the Ocean Assessments Division (OAD) Alaska Office, National Oceanic and Atmospheric Administration (NOAA), to establish and conduct a project for the collection and long-term storage of tissues from Alaska marine mammals for future chemical analysis. Chemical analysis of marine mammal tissues can be particularly useful in determining whether bioaccumulation of contaminants and potential biological effects associated with human industrial activities, including offshore petroleum and mineral extraction, is occurring in marine food webs. This project, the Alaska Marine Mammal Tissue Archival Project (AMMTAP), has been conducted as a cooperative effort between OAD and the National Institute of Standards and Technology (NIST) through the latter's National Biomonitoring Specimen Bank (NBSB). The collection and archival of such tissue samples over a period of several years will provide a resource that can be used to determine baseline contaminant levels against which future contaminant measurements can be compared.

With the closure of the OAD Alaska Office in early 1992, the management of the AMMTAP was transferred to the National Marine Fisheries Service's Office of Protected Resources. The Office of Protected Resources manages the National Marine Mammal Tissue Bank (NMMTB) as a component of the Marine Mammal Health and Stranding Response Program. This program was established in 1992 by P.L. 102-587 to facilitate the collection and dissemination of data on the health of marine mammals and health trends in marine mammal populations in the wild; to correlate these trends with available data on physical, chemical, and biological environmental parameters; and to coordinate effective responses to unusual marine mammal mortalities. The NMMTB is similar to the AMMTAP, using basically the same collection/archival protocols and the same tissue bank (NBSB), but being directed toward marine mammals of the United States outside Alaska. The AMMTAP is continuing in 1994, under the sponsorship of the National Biological Survey.

This volume represents an inventory of all specimens collected by the AMMTAP and archived in the NBSB and provides a record of data collected on each animal sampled by the Project. Anyone wishing to obtain aliquots of any of these samples for research should refer to the tissue access policy as stated on page 8 of *Alaska Marine Mammal Tissue Archival Project: Revised Collection Protocol*, NISTIR 4529, NIST, Gaithersburg, Maryland, 1991.

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ACKNOWLEDGMENTS

This specimen inventory reflects the cooperation, collaboration, and support of a large number of individuals and organizations within and outside Alaska. Most prominent among which have been:

North Slope Borough Department of Wildlife Management, North Slope Borough Fish and Game Management Committee, Kawerak, Inc., Eskimo Walrus Commission, Alaska Eskimo Whaling Commission, TDX Corporation, Aleut Community of St. Paul, Point Hope Whalers, Point Lay Village, English Bay Village Council, New Chenega Bay Village Council, Tatitlek Village Council, Alaska and Inuvialuit Beluga Whale Committee, Alaska Department of Fish and Game, National Marine Fisheries Service, U.S. Department of Fish and Wildlife, Minerals Management Service, and Marine Mammal Commission.

Jon Nickles and Dana Seagars of the USFWS Marine Mammals Management Office provided a letter of authority to collect tissue samples from subsistence-harvested walrus; all other animals were sampled under the authority of NMFS Permit Nos. 635 and 839.

This study was funded by the NBS through an Interagency Agreement with NOAA. Funding support was provided by MMS Environmental Studies Program.

The current inventory of samples maintained by the National Biomonitoring Specimen Bank for the AMMTAP is presented in the following pages. Figure 1 presents the geographic locations of the species sampled by the AMMTAP. The listings of the tissue samples archived for each of these geographic locations are presented in Tables 1-3.

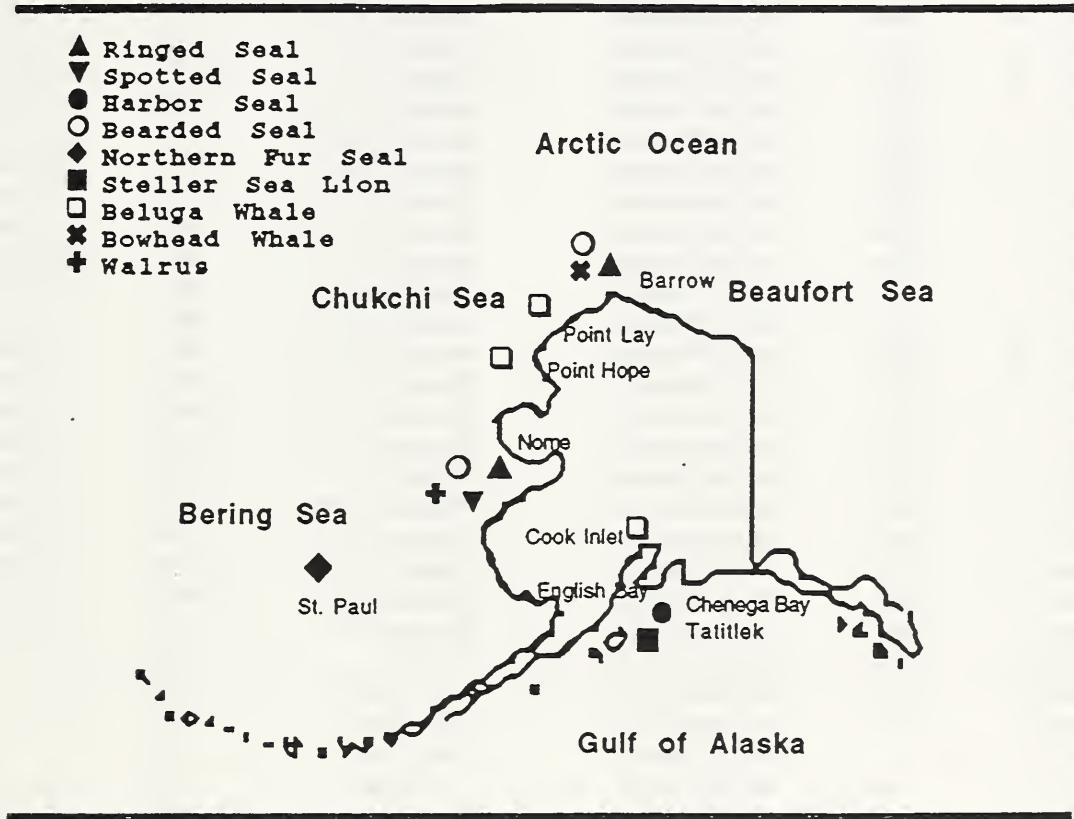


Figure 1. Geographic locations of sample collections

Table 1. Marine Mammals sampled in the Arctic Ocean (O - samples archived; X - subsample B homogenized and divided into aliquots for analyses)

Species	Sex	Individual ID	Location	Date	Tissue ^a			
					L	K	B	M
Ringed Seal	M	692-RGSL-001	Barrow	7/88	O	O	O	
Ringed Seal	F	692-RGSL-002	Barrow	7/88	O	O	O	
Ringed Seal	M	692-RGSL-003	Barrow	7/88	O	O	O	
Ringed Seal	M	692-RGSL-004	Barrow	7/88	X	X	X	
Ringed Seal	F	692-RGSL-005	Barrow	7/88	O	O	O	
Ringed Seal	F	692-RGSL-006	Barrow	7/88	O	O	O	
Ringed Seal	M	692-RGSL-007	Barrow	7/88	O	O	O	
Ringed Seal	M	692-RGSL-008	Barrow	7/88	X	X	X	
Ringed Seal	M	692-RGSL-009	Barrow	7/88	O	O	O	
Ringed Seal	F	692-RGSL-010	Barrow	7/88	O	O	O	
Ringed Seal	M	692-RGSL-019	Barrow	7/91	O	O	O	
Ringed Seal	M	692-RGSL-020	Barrow	7/91	O	O	O	
Ringed Seal	M	692-RGSL-021	Barrow	7/91	O	O	O	
Ringed Seal	M	692-RGSL-022	Barrow	7/91	O	O	O	
Ringed Seal	F	692-RGSL-023	Barrow	7/91	O	O	O	
Ringed Seal	M	692-RGSL-024	Barrow	7/91	O	O	O	
Ringed Seal	F	692-RGSL-025	Barrow	7/91	O	O	O	
Ringed Seal	M	692-RGSL-026	Barrow	7/91	O	O	O	
Ringed Seal	M	692-RGSL-027	Barrow	7/91	O	O	O	
Ringed Seal	F	692-RGSL-028	Barrow	7/91	O	O	O	
Ringed Seal	M	692-RGSL-037	Barrow	7/94	O	O	O	
Ringed Seal	M	692-RGSL-038	Barrow	7/94	O	O	O	
Ringed Seal	F	692-RGSL-039	Barrow	7/94	O	O	O	
Ringed Seal	M	692-RGSL-040	Barrow	7/94	O	O	O	
Ringed Seal	M	692-RGSL-041	Barrow	7/94	O	O	O	
Ringed Seal	M	692-RGSL-042	Barrow	7/94	O	O	O	
Bearded Seal	M	692-BDSL-002	Barrow	7/89	O	O	O	
Bearded Seal	M	692-BDSL-003	Barrow	7/89	O		O	
Beluga Whale	F	692-BLKA-001	Point Hope	5/89	X	O	X	
Beluga Whale	F	692-BLKA-002	Point Hope	5/89	X	O	X	
Beluga Whale	F	692-BLKA-003	Point Hope	5/89	X	O		
Beluga Whale	M	692-BLKA-004	Point Hope	5/89	X			
Beluga Whale	F	692-BLKA-005	Point Lay	7/90	X	O	X	
Beluga Whale	M	692-BLKA-006	Point Lay	7/90	X	O	X	
Beluga Whale	F	692-BLKA-007	Point Lay	7/90	X	O	X	
Beluga Whale	M	692-BLKA-008	Point Lay	7/90	X	O	X	
Beluga Whale	M	692-BLKA-009	Point Lay	7/90	X	O	X	
Beluga Whale	M	692-BLKA-010	Point Lay	7/90	X	O	X	
Beluga Whale	F	692-BLKA-011	Point Lay	7/90	X	O	X	
Beluga Whale	F	692-BLKA-012	Point Lay	7/90	X	O	X	
Beluga Whale	M	692-BLKA-013	Point Lay	7/90	X	O	X	

Tissue^a

L - Liver

K - Kidney

B - Blubber

M - Muscle

Table 1. (continued)

Species	Sex	Individual ID	Location	Date	Tissue ^a			
					L	K	B	M
Beluga Whale	F	692-BLKA-014	Point Lay	7/90	X	O	X	
Bowhead Whale	F	692-BWHD-001	Barrow	5/92	X	O	O	
Bowhead Whale	F	692-BWHD-002	Barrow	5/92		O	O	
Bowhead Whale	F	692-BWHD-003	Barrow	9/92	O		O	
Bowhead Whale	M	692-BWHD-004	Barrow	9/92	O		O	
Bowhead Whale	F	692-BWHD-005	Barrow	9/92	O		O	
Bowhead Whale	F	692-BWHD-006	Barrow	9/92	X		O	
Bowhead Whale	M	692-BWHD-007	Barrow	9/92	X		X	
Bowhead Whale	M	692-BWHD-008	Barrow	9/92	O		O	
Bowhead Whale	M	692-BWHD-009	Barrow	9/92	O		O	
Bowhead Whale	F	692-BWHD-010	Barrow	10/92	O		O	
Bowhead Whale	M	692-BWHD-011	Barrow	10/92	O		O	
Bowhead Whale	F	692-BWHD-012	Barrow	4/93	O		O	
Bowhead Whale	F	692-BWHD-013	Barrow	5/93	O		O	
Bowhead Whale	F	692-BWHD-014	Barrow	5/93	O		O	
Bowhead Whale	F	692-BWHD-015	Barrow	5/93	O		O	
Bowhead Whale	F	692-BWHD-016	Barrow	5/93	O		O	
Bowhead Whale	F	692-BWHD-017	Barrow	5/93	O		O	
Bowhead Whale	M	692-BWHD-020	Barrow	10/93	O		O	
Bowhead Whale	M	692-BWHD-021	Barrow	10/93	O		O	
Bowhead Whale	M	692-BWHD-022	Barrow	10/93			O	
Bowhead Whale	M	692-BWHD-024	Barrow	5/94	O		O	
Bowhead Whale	M	692-BWHD-025	Barrow	5/94	O		O	
Bowhead Whale	M	692-BWHD-026	Barrow	5/94			O	
Bowhead Whale	M	692-BWHD-027	Barrow	5/94	O		O	
Bowhead Whale	M	692-BWHD-028	Barrow	5/94	O		O	
Bowhead Whale	M	692-BWHD-029	Barrow	5/94			O	

Tissue^a

- L - Liver
- K - Kidney
- B - Blubber
- M - Muscle

Table 2. Marine mammals sampled in the Gulf of Alaska (O - samples archived; X - subsample B homogenized and divided into aliquots for analyses)

Species	Sex	Individual ID	Location	Date	Tissue ^a			
					L	K	B	M
Harbor Seal	M	692-HBSL-001	Prince William Sound	3/90	O	O	O	
Harbor Seal	F	692-HBSL-002	Prince William Sound	4/90	O	O	O	
Harbor Seal	M	692-HBSL-003	Prince William Sound	4/90	O	O	O	
Harbor Seal	F	692-HBSL-004	Anchorage, AK	6/94	O	O	O	
Stellar Sea Lion	F	692-STSL-001	Cook Inlet	3/90	O	O	O	
Beluga Whale	M	692-BLKA-015	Cook Inlet	10/92	X	O	O	
Beluga Whale	M	692-BLKA-016	Cook Inlet	7/94			O	
Beluga Whale	F	692-BLKA-017	Cook Inlet	7/94			O	
Beluga Whale	M	692-BLKA-018	Cook Inlet	7/94			O	

Tissue^a

L - Liver

K - Kidney

B - Blubber

M - Muscle

Table 3. Marine mammals sampled in the Bering Sea (O - samples archived; X - subsample homogenized and divided into aliquots for analyses)

Species	Sex	Individual ID	Location	Date	Tissue ^a			
					L	K	B	M
Ringed Seal	M	692-RGSL-011	Nome	5/89	X	O	X	
Ringed Seal	F	692-RGSL-012	Nome	5/89	X	O	O	
Ringed Seal	M	692-RGSL-013	Nome	5/89	X	O	X	
Ringed Seal	M	692-RGSL-014	Nome	5/89	X	O	O	
Ringed Seal	F	692-RGSL-015	Nome	5/89	X	O	O	
Ringed Seal	M	692-RGSL-016	Nome	5/91	X	O	O	
Ringed Seal	F	692-RGSL-017	Nome	5/91	X	O	O	
Ringed Seal	F	692-RGSL-018	Nome	5/91	X	O	O	
Ringed Seal	M	692-RGSL-029	Nome	5/93	X	O	O	
Ringed Seal	M	692-RGSL-030	Nome	5/93	X	O	O	
Ringed Seal	M	692-RGSL-031	Nome	5/93	X	O	O	
Ringed Seal	M	692-RGSL-032	Nome	6/93	X	O	O	
Ringed Seal	M	692-RGSL-033	Nome	5/94	O	O	O	
Ringed Seal	M	692-RGSL-034	Nome	5/94	O	O	O	
Ringed Seal	F	692-RGSL-035	Nome	5/94	O	O	O	
Ringed Seal	F	692-RGSL-036	Nome	5/94	O	O	O	
Spotted Seal	F	692-SPSL-001	Nome	5/91	X	O	O	
Bearded Seal	M	692-BDSL-001	Nome	5/89	X	O	O	
Bearded Seal	M	692-BDSL-004	Nome	5/93	X	O	O	
Bearded Seal	M	692-BDSL-005	Nome	6/93	X	O	O	
Bearded Seal	M	692-BDSL-006	Nome	5/94	O	O	O	
Bearded Seal	M	692-BDSL-007	Nome	5/94	O	O	O	
Bearded Seal	M	692-BDSL-008	Nome	5/94	O	O	O	
Bearded Seal	F	692-BDSL-009	Nome	5/94	O	O	O	
Northern Fur Seal	M	692-FRSL-001	St. Paul	7/87	O	O	O	O
Northern Fur Seal	M	692-FRSL-002	St. Paul	7/87	O	O	O	O
Northern Fur Seal	M	692-FRSL-003	St. Paul	7/87	O	O	O	O
Northern Fur Seal	M	692-FRSL-004	St. Paul	7/87	X	X	X	X
Northern Fur Seal	M	692-FRSL-005	St. Paul	7/87	X	X	X	X
Northern Fur Seal	M	692-FRSL-006	St. Paul	7/90	O	O	O	
Northern Fur Seal	M	692-FRSL-007	St. Paul	7/90	X	O	O	
Northern Fur Seal	M	692-FRSL-008	St. Paul	7/90	O	O	O	
Northern Fur Seal	M	692-FRSL-009	St. Paul	7/90	O	O	O	
Northern Fur Seal	M	692-FRSL-010	St. Paul	7/90	X	O	O	
Northern Fur Seal	M	692-FRSL-011	St. Paul	7/90	X	O	O	
Northern Fur Seal	M	692-FRSL-012	St. Paul	7/90	O	O	O	
Northern Fur Seal	M	692-FRSL-013	St. Paul	7/90	O	O	O	
Northern Fur Seal	M	692-FRSL-014	St. Paul	7/90	O	O	O	
Northern Fur Seal	M	692-FRSL-015	St. Paul	7/90	O	O	O	

Tissue^a

- L - Liver
- K - Kidney
- B - Blubber
- M - Muscle

Table 3. (continued)

Species	Sex	Individual ID	Location	Date	Tissue ^a			
					L	K	B	M
Pacific Walrus	M	692-WLRS-001	Nome	6/93	O	O	O	
Pacific Walrus	M	692-WLRS-002	Nome	6/93	O	O	O	
Pacific Walrus	M	692-WLRS-003	Nome	5/94	O	O	O	
Pacific Walrus	M	692-WLRS-004	Nome	5/94	O	O	O	
Pacific Walrus	M	692-WLRS-005	Nome	5/94	O	O	O	

Tissue^a

L - Liver

K - Kidney

B - Blubber

M - Muscle

A detailed inventory of specimens contained in the Alaska Marine Mammal Tissue Archive is presented in the following pages. The AMMTAP inventory includes the following information: species, meristic information on the animals sampled, sampling location, additional samples taken by other researchers, and the location of these additional samples, as well as other miscellaneous information regarding the individual samples or the animal sampled. Also those specimens for which one subsample has been homogenized and divided into aliquots for analysis are identified. The format used to present this data is explained in Table 4. A list of acronyms used in the inventory is presented in Table 5.

Table 4. AMMTAP Sample Inventory Format

Individual ID No.		Sampling Date	Geographic Area, Village		Latitude/Longitude
Sex	Age	Total Length in cm	Fluke Width in kg	Axillary Girth in cm	Blubber Thickness in cm
NBSB Samples	NBSB ID	Subsample	Subsample	Histology	Sample Homogenization
tissue type	number	A weight in grams	B weight in grams	yes or no	date homogenized

Additional samples collected for other researchers:
 Organization and ID number, if appropriate
 Present location of samples: list of samples

Table 5. Acronyms used in the AMMTAP sample inventory

ADF&G - Alaska Department of Fish and Game
 NBSB - National Biomonitoring Specimen Bank
 NBS DWM - North Slope Borough Department of Wildlife Management
 NCRC - National Cancer Research Center
 NIST - National Institute of Standards and Technology, Gaithersburg, MD
 NMFS - National Marine Fisheries Service, Environmental Conservation Division
 NMML - National Marine Mammal Laboratory, NMFS
 OAD - Office of Ocean Assessment Division, National Ocean Service
 SWR - Southwest Fisheries Science Center, NMFS
 U of AK - University of Alaska

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-001		11 July 88			Chukchi Sea, Barrow	71° 19' 156° 50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1	99.0	19.5		60	3.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L021	187.5	163.5		Yes	
Kidney	MM2K022	64.5	69.0		Yes	
Blubber	MM2B023	121.0	137.0			

ADDITIONAL SAMPLES COLLECTED:

Bile, blood, liver, muscle to NMFS, Seattle, WA
 Stomach content to ADF&G, NOAA Warehouse, Anchorage, AK
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-002		11 July 88			Chukchi Sea, Barrow	71° 19' 156° 50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	≤1	75.0	12.7		48	2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L024	120.5	129.5		Yes	
Kidney	MM2K025	45.0	42.0		Yes	
Blubber	MM2B026	70.0	78.00			

ADDITIONAL SAMPLES COLLECTED:

Bile, blood, liver, muscle to NMFS, Seattle, WA
 Stomach content to ADF&G, NOAA Warehouse, Anchorage, AK
 Histological samples to OAD, Anchorage, AK
 Histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-003		11 July 88			Chukchi Sea, Barrow	71°19' 156°50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2	118.0	35.4		70	2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L027	155.0	150.0		yes	
Kidney	MM2K028	110.0	110.5		yes	
Blubber	MM2B029	98.0	113.0			

ADDITIONAL SAMPLES COLLECTED:

Bile, liver, muscle to NMFS, Seattle, WA
 Stomach content to ADF&G, NOAA Warehouse, Anchorage, AK
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-004		11 July 88			Chukchi Sea, Barrow	71°19' 156°50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2	108.0	32.2		84	2.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L030	154.0	187.0		yes	27 Feb 89
Kidney	MM2K031	106.0	113.0		yes	6 Mar 89
Blubber	MM2B032	98.3	98.9			13 Mar 89

ADDITIONAL SAMPLES COLLECTED:

Bile, liver, muscle to NMFS, Seattle, WA
 Stomach content to ADF&G, NOAA Warehouse, Anchorage, AK
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-005		11 July 88			Chukchi Sea, Barrow	71°19' 156°50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	1	84.5	15.4		63	2.7
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L033	127.0	130.6		yes	
Kidney	MM2K034	48.0	49.0		yes	
Blubber	MM2B035	141.4	150.2			

ADDITIONAL SAMPLES COLLECTED:

Bile, liver, muscle to NMFS, Seattle, WA
 Stomach content to ADF&G, NOAA Warehouse, Anchorage, AK
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-006		12 July 88			Chukchi Sea, Barrow	71°19' 156°50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	≤1	88.0	15.4		58	2.8
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L036	129.3	128.8		yes	
Kidney	MM2K037	54.5	58.0		yes	
Blubber	MM2B038	102.6	118.6			

ADDITIONAL SAMPLES COLLECTED:

Bile, blood, liver, muscle to NMFS, Seattle, WA
 Histological samples to OAD, Anchorage, AK
 Histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-007		12 July 88			Chukchi Sea, Barrow	71°23' 156°32'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2	94.0	23.1		75	2.9
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L039	165.6	162.5		yes	
Kidney	MM2K040	86.6	84.8		yes	
Blubber	MM2B041	138.5	133.6			

ADDITIONAL SAMPLES COLLECTED:

Bile, blood, liver, muscle to NMFS, Seattle, WA
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-008		13 July 88			Chukchi Sea, Barrow	71°23' 156°32'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2	104.0	23.1		63.5	2.8
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L042	154.2	168.6		yes	22 Feb 89
Kidney	MM2K043	89.5	95.5		yes	28 Feb 89
Blubber	MM2B044	129.2	131.0			7 Mar 89

ADDITIONAL SAMPLES COLLECTED:

Bile, blood, liver, muscle to NMFS, Seattle, WA
 Stomach content to ADF&G, NOAA Warehouse, Anchorage, AK
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-009		14 July 88			Chukchi Sea, Barrow	71°22' 156°37'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
	≤1	75.0	15.0		63	2.4
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L045	128.1	130.8		yes	
Kidney	MM2K049	46.6	47.6		yes	
Blubber	MM2B047	86.9	94.1			

ADDITIONAL SAMPLES COLLECTED:

Bile, blood, liver, muscle to NMFS, Seattle, WA
 Stomach content to ADF&G, NOAA Warehouse, Anchorage, AK
 Teeth, histological samples to OAD, Anchorage, AK
 Histological samples moved from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-010		14 July 88			Chukchi Sea, Barrow	71°22' 156°37'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	2	98.0	25.4		83.5	3.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM2L048	168.5	146.7		yes	
Kidney	MM2K049	78.4	76.4		yes	
Blubber	MM2B050	146.7	161.0			

ADDITIONAL SAMPLES COLLECTED:

Bile, blood, liver to NMFS, Seattle, WA
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-011		26 May 89			Bering Sea, Norton Sound, Nome	64°19' 165°15'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1	119.5	33.6		82.5	4.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L054	142.2	147.0		yes	10 May 90
Kidney	MM3K055	115.1	104.5			
Blubber	MM3B056	128.0	145.0			16 May 90

ADDITIONAL SAMPLES COLLECTED:

Blood to NMFS, Seattle, WA
 Claws, lower jaw, stomach content to ADF&G, Nome, AK
 Histological samples to OAD, Anchorage, AK
 Histological sample (liver only) transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-012		26 May 89			Bering Sea, Norton Sound, Nome	64°19' 165°00'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	2	124.5	36.3		100.0	3.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L054	160.0	148.0		yes	21 Jan 93
Kidney	MM3K058	104.8	104.4			
Blubber	MM3B059	147.0	148.0			

ADDITIONAL SAMPLES COLLECTED:

Bile, blood to NMFS, Seattle, WA
 Claws, lower jaw, reproductive organs, stomach contents to ADF&G, Nome, AK
 Histological sample to OAD, Anchorage, AK
 Histological sample transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-013		31 May 89			Bering Sea, Norton Sound, Nome	64°18' 165°00'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1	103.5	31.75		79	4.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L060	95.2	110.2		yes	11 May 90
Kidney	MM3K061	93.2	101.3		yes	
Blubber	MM3B062	149.2	167.2			17 May 90

ADDITIONAL SAMPLES COLLECTED:

Bile, blood, blubber to NMFS, Seattle, WA
 Stomach contents, jaws, front flipper to ADF&G, Nome, AK
 Histological samples to OAD, Anchorage, AK
 Histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-014		31 May 89			Bering Sea, Norton Sound, Nome	64°19' 164°44'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1	101.0	29.5		74	3.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L063	50.9	50.6		yes	9 Dec 92
Kidney	MM3K064	67.5	62.6		yes	
Blubber	MM3B065	101.0	123.8			

ADDITIONAL SAMPLES COLLECTED:

Blood, blubber to NMFS, Seattle, WA
 Stomach contents, jaws, front flipper to ADF&G, Nome, AK
 Histological samples to OAD, Anchorage, AK
 Histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-015		31 May 89			Bering Sea, Norton Sound, Nome	64°18' 165°00'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	≤1	83.2	20.0		66	3.25
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L066	123.8	103.0		yes	17 Dec 92
Kidney	MM3K067	68.5	68.2		yes	
Blubber	MM3B068	110.1	103.0			
ADDITIONAL SAMPLES COLLECTED:						
Blood, bile to NMFS, Seattle, WA Jaw, front flipper to ADF&G, Nome, AK Histological samples to OAD, Anchorage, AK Histological samples transferred from OAD to NIST, NBSB						

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-016		21 May 91			Bering Sea, Norton Sound, Nome	64°30' 166°10'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	≤1	81.5	13.6		67	4.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L155	90.4	70.6		yes	21 Dec 92
Kidney	MM5K156	81.5	30.3		yes	
Blubber	MM5B157	150.2	148.2			
ADDITIONAL SAMPLES COLLECTED:						
Heart, muscle to U of AK, Fairbanks, AK, ID # AF0751 Jawbone with teeth, histological samples to OAD, Anchorage, AK Jawbone with teeth, histological samples transferred from OAD to NIST, NBSB						

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-017		21 May 91			Bering Sea, Norton Sound, Nome	64°30' 166°10'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Mature	113	40.8		92	7.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L158	176.5	175.4		yes	6 Jan 93
Kidney	MM5K159	97.6	93.1		yes	
Blubber	MM5B159	145.8	158.5			

ADDITIONAL SAMPLES COLLECTED:

Heart, muscle, liver to U of AK, Fairbanks, AK, ID # AF0752
 Jawbone with teeth, histological samples to OAD, Anchorage, AK
 Jawbone with teeth, histological samples transferred from OAD to NIST, NBSB
 Extra jar of liver to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-018		22 May 91			Bering Sea, Norton Sound, Nome	64°09' 165°26'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	1	87	21.8		75	2.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L161	162.8	173.0		yes	7 Jan 93
Kidney	MM5K162	68.5	71.5		yes	
Blubber	MM5B163	151.2	148.1			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0753
 Jawbone with teeth, histological samples to OAD, Anchorage, AK
 Jawbone with teeth, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-019		9 July 91			Chukchi Sea, Barrow	71°18.7' 156°53.2'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	≤1	77	13.6		64	2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L167	127.2	123.7		yes	
Kidney	MM5K168	47.9	46.3		yes	
Blubber	MM5B169	127.9	134.2			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0757
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-020		9 July 91			Chukchi Sea, Barrow	71°18.7' 156°53.2'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	11-12	119.4	41.7		92	2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L170	158.7	173.7		yes	
Kidney	MM5K171	123.2	123.2		yes	
Blubber	MM5B172	163.5	158.9			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0758
 Blood serum to ADF&G, Fairbanks, AK
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-021		10 July 91			Chukchi Sea, Barrow	71°18.7' 156°53.2'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	8-9	108	36.3		85.5	2.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L173	173.0	177.3		yes	
Kidney	MM5K174	132.0	129.3		yes	
Blubber	MM5B175	94.4	22.2			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0760
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-022		10 July 91			Chukchi Sea, Barrow	71°18.7' 156°53.2'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	5	97.8	22.2		70	2.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L176	137.2	157.3		yes	
Kidney	MM5K177	94.4	56.6		yes	
Blubber	MM5B178	119.5	121.8			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0761
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-023		10 July 91			Chukchi Sea, Barrow	71°18.7' 156°53.2'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	5-6	103.9	29.0		76.5	2.3
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L179	149.1	169.5		yes	
Kidney	MM5K180	97.6	29.0		yes	
Blubber	MM5B181	149.3	112.5			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0762
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-024		11 July 91			Chukchi Sea, Barrow	71°20.1' 156°41.7'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	6	118	38.1		87	2.7
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L182	170.7	176.0		yes	
Kidney	MM5K183	137.1	130.1		yes	
Blubber	MM5B184	149.1	145.3			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0763
 Blood serum to ADF&G, Fairbanks, AK
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-025		11 July 91			Chukchi Sea, Barrow	71°20.1' 156°41.7'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	1-2	104	27.2		77.5	2.4
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L185	160.7	167.3		yes	
Kidney	MM5K186	67.0	75.3		yes	
Blubber	MM5B187	160.5	152.8			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0764
 Blood serum to ADF&G, Fairbanks, AK
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-026		12 July 91			Chukchi Sea, Barrow	71°24.1' 156°31.5'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	5-6	109	36.3		72	2.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L188	139.1	123.4		yes	
Kidney	MM5K189	87.5	36.3		yes	
Blubber	MM5B190	154.9	154.2			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, UD # AF0765
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-027		15 July 91			Chukchi Sea, Barrow	71°18.5' 156°53.2'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2-3	101.6	23.6		74	2.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L191	151.4	162.6		yes	
Kidney	MM5L192	87.4	83.5		yes	
Blubber	MM5B193	151.4	152.8			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0759
 Blood serum to ADF&G, Fairbanks, AK
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-028		15 July 91			Chukchi Sea, Barrow	71°18.5' 156°53.2'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	9	110	21.8		90.7	2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L191	170.7	152.8		yes	
Kidney	MM5K195	92.0	21.8		yes	
Blubber	MM5B196	140.7	153.5			

ADDITIONAL SAMPLES COLLECTED:

Muscle, liver to U of AK, Fairbanks, AK, ID # AF0766
 Blood serum to ADF&G, Fairbanks, AK
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-029		11 May 93			Bering Sea, Norton Sound, Nome	64°30' 166°10'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1-2	106.7			86	3.4
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L226	92.5	86.7		yes	13 Dec 93
Kidney	MM5K227	81.0	58.9		yes	
Blubber	MM5E226	152.7	154.5			

ADDITIONAL SAMPLES COLLECTED:

Blubber, liver, kidney to NMFS, Seattle, WA
 Front claws, jawbones, histological samples to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-030		12 May 93			Bering Sea, Norton Sound, Nome	64°30' 166°10'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		165			109	6
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L229	129.1	99.3		yes	14 Dec 93
Kidney	MM7K230	162.1	146.0		yes	
Blubber	MM7B231	154.3	153.1			

ADDITIONAL SAMPLES COLLECTED:

Blubber, liver, kidney to NMFS, Seattle, WA
 Front claws, jawbones, histological samples to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-031		12 May 93			Bering Sea, Norton Sound, Nome	64°23' 166°25'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1-2	89			71	4.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L232	59.0	77.8		yes	15 Dec 93
Kidney	MM7K233	72.2	79.3		yes	
Blubber	MM5B234	142.0	139.5			

ADDITIONAL SAMPLES COLLECTED:

Blubber, liver, kidney to NMFS, Seattle, WA
 Front claws, jawbone, histological samples to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-032		3 June 93			Bering Sea, Norton Sound, Nome	64°23' 166°25'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	≤1	79			60	6.3
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L247	65.3	55.5		yes	20 Dec 93
Kidney	MM7K248	34.8				
Blubber	MM7B249	75.1	85.4			

ADDITIONAL SAMPLES COLLECTED:

Jawbone to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-033		19 May 94			Nome, Cape Nome	63°59' 165°39'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		111	33.6		97.5	4.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L276	157.0	119.3		yes	
Kidney	MM9K277	86.9	88.6		yes	
Blubber	MM9B278	142.6	119.8			

ADDITIONAL SAMPLES COLLECTED:

Blubber, liver to NWFS, Seattle, WA
 Jawbone with teeth, histological samples to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-034		21 May 94			Nome, Cape Nome	63°59' 165°39'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		92.7	20.9		76.2	2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L279	80.4	57.6		yes	
Kidney	MM9K280	57.1	54.8		yes	
Blubber	MM9B281	157.0	143.5			

ADDITIONAL SAMPLES COLLECTED:

Jawbone to NIST, NBSB
 Blubber to NWFS, Seattle, WA

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-035		21 May 94			Nome, Cape Nome	63°59' 165°39'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F		71.0	28.1		81.3	3.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L282	67.1	94.2		yes	
Kidney	MM9K283	71.8	70.5		yes	
Blubber	MM9B284	137.7	143.3			

ADDITIONAL SAMPLES COLLECTED:

Jawbone with teeth, histological samples to NIST, NBSB

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-036		22 May 94			Nome, Cape Nome	63°59' 165°39'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F		110.5	94.2		93.3	3.75
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L285	96.3	102.1		yes	
Kidney	MM9K286	67.1	90.3		yes	
Blubber	MM9B287	110.5	163.2			

ADDITIONAL SAMPLES COLLECTED:

Jawbone and teeth, histologies to NIST, NBSB
Blubber, liver to NWFS, Seattle, WA

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-037		15 July 94			Barrow	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1 yr	121.0	18.1		83.2	3.2
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L307	109.0	108.8		yes	
Kidney	MM9K311	126.1	108.8		yes	
Blubber	MM9L310	98.6	116.2			

ADDITIONAL SAMPLES COLLECTED:

Jawbone, liver, histological samples to NIST, NBSB
Liver to Greg O'Corry-Crowe, NMFS, SWR

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-038		15 July 94			Barrow	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	7 claw rings	185	20.4		86.2	3.2
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L310	116.7	109.5		yes	
Kidney	MM9K311	132.0	128.9			
Blubber	MM9B312	107.6	110.1			

ADDITIONAL SAMPLES COLLECTED:

Muscle, histology to NIST, NBSB
Muscle to Greg O'Corry-Crowe, NMFS, SWR
Heart study - isolated coronary arteries to Dr. Robert Elsner, U of AK, Fairbanks, AK

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-039		15 July 94			Barrow	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	8 claw rings	122.0	22.7		95.0	4.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L313	175.0	159.8		yes	
Kidney	MM9K314	110.9	95.2		yes	
Blubber	MM9B315	154.8	157.6			

ADDITIONAL SAMPLES COLLECTED:

Jawbone, histological samples to NIST, NBSB
 Blubber to NWFS, Seattle, WA
 Heart study - isolated coronary arteries to Dr. Robert Elsner, U of AK, Fairbanks, AK

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-040		18 July 94			Barrow	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	8 claw rings	94.0			72.0	2.4
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L316	106.1	101.6		yes	
Kidney	MM9K317	106.6	91.09		yes	
Blubber	MM9B318	93.5	106.6			

ADDITIONAL SAMPLES COLLECTED:

Jawbone, bag of unlabeled tissue, histological samples to NIST, NBSB
 Blood for Stress Proteins to Dr. Michael Castellini, U of AK, Fairbanks, AK
 Blood, heart study - isolated coronary arteries to Dr. Robert Elsner, U of AK, Fairbanks, AK

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-041		18 July 94			Barrow	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	7 claw rings	109.0			82.3	2.7
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L319	120.5	112.2		yes	
Kidney	MM9K320	77.0	80.0		yes	
Blubber	MM9B321	115.7	111.1			

ADDITIONAL SAMPLES COLLECTED:

Jawbone, histological samples to NIST, NBSB
 Blood for Stress Protein to Dr. Michael Castellini, U of AK, Fairbanks, AK
 Blood, heart study - isolated coronary arteries to Dr. Robert Elsner, U of AK, Fairbanks, AK

RINGED SEAL (*Phoca hispida*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-RGSL-042		19 July 94			Barrow	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	7 claw rings	101.0	31.8		82.3	3.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L322	128.6	105.0		yes	
Kidney	MM9K323	93.7	80.0		yes	
Blubber	MM9B324	156.5	148.1			

ADDITIONAL SAMPLES COLLECTED:

Jawbone, histological samples to NIST, NBSB
 Blood for Stress Proteins to Dr. Michael Castellini, U of AK, Fairbanks, AK
 Blood to Dr. Robert Elsner, U of AK, Fairbanks, AK

HARBOR SEAL (*Phoca vitulina*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-HBSL-001		10 March 90			Prince William Sound, New Year Island, Chenega	60°10.9' 147°55.3'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1	105.4	28		74.5	4.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L083	165.3	163.1		yes	
Kidney	MM4K093	72.05	37.3		yes	
Blubber	MM4B085	136.0	153.4			

ADDITIONAL SAMPLES COLLECTED:

Bile, liver, blubber, muscle, lung, right cerebrum, cerebellum to NMFS, Seattle, WA
 Jawbone, histological samples to NIST, NBSB

HARBOR SEAL (*Phoca vitulina*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-HBSL-002		22 April 90			Prince William Sound, Galena Bay, Tatilek	60°55.45' 146°36.2'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	2	125.1	47.6		94.5	3.8
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L092	138.1	139.05		yes	
Kidney	MM4K093	120.3	94.3		yes	
Blubber	MM4B094	149.4	151.85			

ADDITIONAL SAMPLES COLLECTED:

Bile, liver, blubber, kidney, muscle, lung, ovaries to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

HARBOR SEAL (<i>Phoca vitulina</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-HBSL-003		22 April 90			Prince William	60°55.45' 146°36.2'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2	125.1	39.9		85.0	3.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L089	160.35	164.4		yes	
Kidney	MM4K090	80.2	112.9		yes	
Blubber	MM4B091	125.4	105.3			
ADDITIONAL SAMPLES COLLECTED:						
Bile, liver, blubber, kidney, muscle, lung to NMFS, Seattle, WA Jawbone, histological samples to OAD, Anchorage, AK Jawbone, histological samples transferred from OAD to NIST, NBSB						

HARBOR SEAL (<i>Phoca vitulina</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-HBSL-004		15 June 94			Anchorage, AK Sound, Galena Bay, Tatilek	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F		109.0	18.1		94.5	3.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L325	164.0	163.2		yes	
Kidney	MM9K326	59.7	55.0		yes	
Blubber	MM9B327	156.4	151.2			
ADDITIONAL SAMPLES COLLECTED:						
Histological samples to NIST, NBSB						

SPOTTED SEAL (*Phoca largha*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-SPSL-001		22 May 91			Bering Sea, Norton Sound, Nome	64°09' 165°26'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Mature	157.5			98.4	8.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM5L164	143.5	145.2		yes	9 Jan 93
Kidney	MM5K165	161.8	161.7		yes	
Blubber	MM5B166	153.7	159.3			

ADDITIONAL SAMPLES COLLECTED:

Liver, muscle to U of AK, Fairbanks, AK, ID # AF0754
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

BEARDED SEAL (*Erignathus barbatus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BDSL-001		26 May 89			Bering Sea, Norton Sound, Nome	64°19' 165°00'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1	166.7	68-90		99	4.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L051	154.0	163.0		yes	12 Jan 93
Kidney	MM3K052	147.0	129.5		yes	
Blubber	MM3B053	158.0	163.0			

ADDITIONAL SAMPLES COLLECTED:

Bile, blood to NMFS, Seattle, WA
 Front claws, jawbone, stomach content to ADF&G, Nome, AK
 Histological samples to OAD, Anchorage, AK

BEARDED SEAL (*Erignathus barbatus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BDSL-002		20 July 89			Chukchi Sea, Barrow	71°31' 157°00'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	4	210	200		130	4.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L078	149.9	157.2		yes	
Kidney	MM3L079	152.6	166.9		yes	
Blubber	MM3B080	126.9	125.1			

ADDITIONAL SAMPLES COLLECTED:

Liver, kidney to NMFS, Seattle, WA
 Histological samples to OAD, Anchorage, AK

BEARDED SEAL (*Erignathus barbatus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BDSL-003		20 July 89			Chukchi Sea, Barrow	71°31' 157°00'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	5	240	225		138	5.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L081	155.4	167.8		yes	
Blubber	MM3B082	128.5	119.7			

ADDITIONAL SAMPLES COLLECTED:

Liver to NMFS, Seattle, WA
 Histological sample to OAD, Anchorage, AK

BEARDED SEAL (*Erignathus barbatus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BDSL-004		12 May 93			Bering Sea, Norton Sound, Nome	64°23' 166°25'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	Mature	244			149	6.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L223	98.7	115.0		yes	21 Dec 93
Kidney	MM7K224	171.1	177.4		yes	
Blubber	MM7B225	159.9	159.9			

ADDITIONAL SAMPLES COLLECTED:

Blubber, liver, kidney to NMFS, Seattle, WA
 Jawbone, histological samples to NIST, NBSB

BEARDED SEAL (<i>Erignathus barbatus</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BDSL-005		3 June 93			Bering Sea, Norton Sound, Nome	64°24.5' 166°00'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	1	161.0			110	4.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L250	86.7				27 Dec 93
Kidney	MM7K251	69.7	84.6			
Blubber	MM7B252	126.7	109.0			
ADDITIONAL SAMPLES COLLECTED:						
Jawbone to NIST, NBSB						

BEARDED SEAL (<i>Erignathus barbatus</i>)						
ANIMAL ID NO.		DATE			LOCATION	LAT / LONG
692-BDSL-006		19 May 94			Nome, Cape Nome	63°59' 165°39'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		143			110	3.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L264	164.7	157.9		yes	
Kidney	MM9K265	127.6	137.7		yes	
Blubber	MM9B266	152.0	152.5			
ADDITIONAL SAMPLES COLLECTED:						
Blubber, liver, kidney to NWFS, Seattle, WA Jawbone for teeth, histology to NIST, NBSB						

BEARDED SEAL (<i>Erignathus barbatus</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BDSL-007		20 May 94			Cape Nome, Nome	63°59' 165°39'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		167.6			114.3	3.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L267	149.7	135.0		yes	
Kidney	MM7K268	149.7	150.1		yes	
Blubber	MM7B269	148.9	149.9			
ADDITIONAL SAMPLES COLLECTED:						
Jawbone, histology to NIST, NBSB Blubber, liver, kidney to NWFS, Seattle, WA						

BEARDED SEAL (<i>Erignathus barbatus</i>)						
ANIMAL ID NO.		DATE			LOCATION	LAT / LONG
692-BDSL-008		22 May 94			Nome, Cape Nome	63°50' 165°39'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		200.7			123.2	4.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L270	162.6	154.9		yes	
Kidney	MM9K271	149.7	164.2		yes	
Blubber	MM9B272	167.6	156.8			
ADDITIONAL SAMPLES COLLECTED:						
Jawbone with teeth, histology to NIST, NBSB Liver, kidney, blubber to NWFS, Seattle, WA						

BEARDED SEAL (*Erginathus barbatus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BDSL-009		23 May 94			Sludge Island, Nome	64°19' 166°25'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F		228.6			144	5.7
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L273	173.7	179.1		yes	
Kidney	MM9K274	159.8	148.2		yes	
Blubber	MM9B275	164.3	145.8			

ADDITIONAL SAMPLES COLLECTED:

Liver, kidney, blubber to NWFS, Seattle, WA
 Jawbone, histological samples to NIST, NBSB

STELLAR (NORTHERN) SEA LION (*Eumatopias jubatus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-STSL-001		26 March 90			Cook Inlet, Flat Island, English Bay	59°19.9' 151°59.7'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F, with fetus	Mature	254	250			3.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L086	142.5	152.9		yes	
Kidney	MM4K087	155.2	154.9		yes	
Blubber	MM4B088	141.4	156.0			

ADDITIONAL SAMPLES COLLECTED:

Bile, liver, kidney, blubber, lung, muscle, blubber with skin, left cerebrum, whole fetus to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-001		28 July 87			Bering Sea, St. Paul IS., Polovina Rookery	57°10.5' 170°09.5'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	3	114.0	56.3			1.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM1L001	170.0	125.0		yes	
Kidney	MM1K002	93.0	97.0		yes	
Muscle	MM1M003	125.0	132.5			
Blubber	MM1B004	114.0	114.5			

ADDITIONAL SAMPLES COLLECTED:

Blood, heart, liver, spleen to NCRC, Frederick, MD
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-002		28 July 87			Bering Sea, St. Paul Isl., Polovina Rookery	57°10.5' 170°09.5'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	3	114.0	77.6			2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM1L005	117.8	110.5		yes	
Kidney	MM1K006	137.2	137.0		yes	
Muscle	MM1M007	170.0	143.0			
Blubber	MM1B008	156.0	158.0			

ADDITIONAL SAMPLES COLLECTED:

Blood, heart, liver, spleen, muscle, skin to NCRC, Frederick, MD
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (<i>Callorhinus ursinus</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-003		28 July 87			Bering Sea, St. Paul Is., Polovina Rookery	57°10.5' 170°09.5'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	3	124.0	84.0			3.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM1L009	132.0	140.0		yes	
Kidney	MM1010	112.0	103.0		yes	
Muscle	MM1M011	152.5	136.0			
Blubber	MM1B012	105.5	144.5			
ADDITIONAL SAMPLES COLLECTED:						
Blood, heart, liver, spleen, skin to NRCR, Frederick, MD Teeth, histological samples to OAD, Anchorage, AK Teeth, histological samples transferred from OAD to NIST, NBSB						

NORTHERN FUR SEAL (<i>Callorhinus ursinus</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-004		29 July 87			Bering Sea, St. Paul Is., Northeast Rookery	57°14.85' 170°05.9'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	3	111.4	64.7			2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM1L013	129.5	103.0		yes	7 Jun 88
Kidney	MM1K014	92.0	93.5		yes	13 Jun 88
Muscle	MM1M015	129.2	148.0			17 Jun 88
Blubber	MM1B016	105.5	103.0			13 Jun 88
ADDITIONAL SAMPLES COLLECTED:						
Blood, heart, spleen, skin to NCR, Frederick, MD Teeth, histological samples to OAD, Anchorage, AK Teeth, histological samples transferred from OAD to NIST, NBSB						

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-005		29 July 87			Bering Sea, St. Paul Is., Northeast Rookery	57°14.85' 170°05.9'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2	110.4	58.7			3.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM1L017	145.0	136.0		yes	1 Jun 88
Kidney	MM1K018	118.5	112.0		yes	31 May 88
Muscle	MM1M019	103.0	105.0			6 Jun 88
Blubber	MM1B020	157.0	141.0			26 May 88

ADDITIONAL SAMPLES COLLECTED:

Blood, heart, spleen, liver, skin to NCRC, Frederick, MD
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-006		23 July 90			Bering Sea, St. Paul Is., Zapadni Rookery	57°09' 170°20.1'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2-3	97.8	21.8			1.2
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L095	138.0	166.3		yes	
Kidney	MM4K096	88.0	95.3		yes	
Blubber	MM4B097	144.4	145.8			

ADDITIONAL SAMPLES COLLECTED:

Blubber, liver to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-007		23 July 90			Bering Sea, St. Paul Is., Zapadni Rookery	57°09' 170°20.1'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2-3	103.5	23			0.9
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L098	56.9	68.2			13 Sept 90
Kidney	MM4K099	97.5	98.6		yes	
Blubber	MM4B100	150.8	142.9			

ADDITIONAL SAMPLES COLLECTED:

Bile, blubber to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-008		23 July 90			Bering Sea, St. Paul Is., Zapadni Rookery	57°09' 170°20.1'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	Subadult	103.5	30.3			1.1
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L101	124.2	126.0			
Kidney	MM4K102	81.2	80.3		yes	
Blubber	MM4B103	140.0	141.7			

ADDITIONAL SAMPLES COLLECTED:

Bile, blubber, liver to NMFS, Seattle, WA
 Jawbone, histological sample to OAD, Anchorage, AK
 Jawbone, histological sample transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-009		23 July 90			Bering Sea, St. Paul Is., Zapadni Rookery	57°09' 170°20.1'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2-3					
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L104	137.5	144.5		yes	
Kidney	MM4K105	90.2	86.1		yes	
Blubber	MM4B106	139.8	156.2			

ADDITIONAL SAMPLES COLLECTED:

Bile, blubber, liver to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-010		24 July 90			Bering Sea, St. Paul Is., Reef Rookery	57°09' 170°20.1'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2-3	94.6	15.8			0.8
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L107	146.0	101.9		yes	18 Sept 90
Kidney	MM4K108	66.6	68.5		yes	
Blubber	MM4B109	90.0	96.7			

ADDITIONAL SAMPLES COLLECTED:

Bile, blubber to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-011		24 July 90			Bering Sea, St. Paul Is., Reef Rookery	57°06.6' 170°17.6'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2-3	43.2	17.3			1.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L110	71.6	89.1		yes	21 Sept 90
Kidney	MM4K114	70.8	90.3		yes	
Blubber	MM4B112	64.1	54.4			

ADDITIONAL SAMPLES COLLECTED:

Bile, blubber to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-012		24 July 90			Bering Sea, St. Paul Is., Reef Rookery	57°06.6' 170°17.6'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2-3	99.1	20.2			1.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L113	136.0	132.4		yes	
Kidney	MM4K114	70.3	90.3		yes	
Blubber	MM4B115	94.4	107.6			

ADDITIONAL SAMPLES COLLECTED:

Bile to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-013		24 July 90			Bering Sea, St. Paul Is., Reef Rookery	57°09' 170°20.1'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2-3		20.2			1.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L116	154.1	127.0		yes	
Kidney	MM4K117	90.7	98.0		yes	
Blubber	MM4B118	129.3	98.0			

ADDITIONAL SAMPLES COLLECTED:

Bile to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-014		24 July 90			Bering Sea, St. Paul Is., Reef Rookery	57°06.6' 170°17.6'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	Subadult	95.9	98.0			0.9
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L119	119.3	124.2		yes	
Kidney	MM4K120	92.4	98.0		yes	
Blubber	MM4B121	100.0	103.7			

ADDITIONAL SAMPLES COLLECTED:

Liver, blubber to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

NORTHERN FUR SEAL (*Callorhinus ursinus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-FRSL-015		24 July 90			Bering Sea, St. Paul Is., Reef Rookery	57°06.6' 170°17.6'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	2-3	104.1	17.4			1.2
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L122	117.2	148.3		yes	
Kidney	MM4K123	70.3	70.2		yes	
Blubber	MM4B124	126.0	116.5			

ADDITIONAL SAMPLES COLLECTED:

Bile to NMFS, Seattle, WA
 Jawbone, histological samples to OAD, Anchorage, AK
 Jawbone, histological samples transferred from OAD to NIST, NBSB

PACIFIC WALRUS (*Odobenus rosmarus rosmarus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-WLRS-001		3 June 93			Bering Sea, Norton Sound, Nome	64°05' 165°25'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	12-15					2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L253	113.7	128.3			
Kidney	MM7K254	124.3	85.4			
Blubber	MM7B255	95.6	105.5			

ADDITIONAL SAMPLES COLLECTED:

2 Teeth to NIST, NBSB
 1 Tooth for aging transferred from NIST, NBSB to U.S. Fish & Wildlife Service, Anchorage, AK

PACIFIC WALRUS (*Odobenus rosmarus rosmarus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-WRLS-002		3 June 93			Bering Sea, Norton Sound, Nome	64°15' 165°25'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	8-10					2.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L256	115.9	84.3			
Kidney	MM7K257	150.4	169.6			
Blubber	MM7B258	103.1	95.7			

ADDITIONAL SAMPLES COLLECTED:

3 Teeth to NIST, NBSB
 1 Tooth for aging transferred from NIST, NBSB to U.S. Fish & Wildlife Service, Anchorage, AK

PACIFIC WALRUS (*Odobenus rosmarus rosmarus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-WLRS-003		30 May 94			Nome	64°14' 165°25'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		284		52	300	5.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L298	166.1	169.5		yes	
Kidney	MM9K299	163.8	166.1		yes	
Blubber	MM9B300	167.3	166.3		yes	

ADDITIONAL SAMPLES COLLECTED:

2 Teeth
Histology to NIST, NBSB

PACIFIC WALRUS (*Odobenus rosmarus rosmarus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-WRLS-004		30 May 94			Nome	64°14' 165°25'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		312		55		3.25
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L301	170.4	140.0		yes	
Kidney	MM9K302	166.0	150.9		yes	
Blubber	MM9B303	153.2	158.9			

ADDITIONAL SAMPLES COLLECTED:

2 Teeth
Histology to NIST, NBSB

PACIFIC WALRUS (*Odobenus rosmarus rosmarus*)

ANIMAL ID NO.		DATE			LOCATION	LAT / LONG
692-WLRS-005		30 May 94			Nome	64°14' 165°25'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		284		53		3.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L304	165.6	178.6		yes	
Kidney	MM9K305	167.5	173.5		yes	
Blubber	MM9B306	204.5	208.8		yes	
ADDITIONAL SAMPLES COLLECTED:						
2 teeth Histology to NIST, NBSB						

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-001		26 May 89			Chukchi Sea, Point Hope	68°20' 166°50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	16*	342.9		74.9		
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L069	178.6	166.6		yes	12 Oct 90
Kidney	MM3K070	148.0	169.0		yes	
Blubber	MM3B071	121.9	132.5			24 Sept 90

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Lower jaw with teeth, blubber, liver, reproductive organs, kidney, skin to NBS DWM, Barrow, AK ID # HDL-5-89
 Histological samples to OAD, Anchorage, AK
 Histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-002		25 May 89			Chukchi Sea, Point Hope	68°20' 166°50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	9*	309.9		71.1		7.6
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L072	178.3	166.6		yes	3 May 90
Kidney	MM3K073	155.6	163.1		yes	
Blubber	MM3B074	129.9	132.0			25 Sept 90

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Lower jaw with teeth, blubber, liver, reproductive organs, kidney, skin to NSB DWM, Barrow, AK ID # HDL-3-89
 Histological samples to OAD, Anchorage, AK
 Histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (<i>Delphinapterus leucas</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-003		25 May 89			Chukchi Sea, Point Hope	68°20' 166°50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	20*	348				
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L075	156.1	170.1		yes	3 May 90
Kidney	MM3K076	176.3	175.0		yes	
ADDITIONAL SAMPLES COLLECTED:						
<p>*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam. Lower jaw with teeth, liver, reproductive organs, kidney to NBS DWM, Barrow, AK, ID # HDL-2-89 Histological samples to OAD, Anchorage, AK Histological samples transferred from OAD to NIST, NBSB</p>						

BELUGA WHALE (<i>Delphinapterus leucas</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-004		19 May 89			Chukchi Sea, Point Hope	68°20' 166°50'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	11*	348				7.0
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM3L077	125.1	130.4		yes	16 Oct 90
ADDITIONAL SAMPLES COLLECTED:						
<p>*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam. Lower jaw with teeth, blubber, liver, reproductive organs, stomach content, skin to NSB DWM, Barrow, Ak, ID # HDL-1-89 Histological sample to OAD, Anchorage, AK Histological sample transferred from OAD to NIST, NBSB</p>						

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-005		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	30*	394		103		3.7
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L125	175.75	169.6		yes	26 Aug 92
Kidney	MM4K126	169.2	160.85		yes	
Blubber	MM4B127	131.1	131.85			8 Jan 91

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Teeth, skin to NBS DWM, Barrow, AK, ID # LDL-2-90
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-006		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	≥5	430		102		6.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L128	184.9	180.8		yes	27 Aug 92
Kidney	MM4K129	154.65	176.75		yes	
Blubber	MM4B130	152.8	146.2			9 Jan 91

ADDITIONAL SAMPLES COLLECTED:

Teeth to NSB DWM, Barrow, AK, ID # LDL-31-90
 Histological samples to OAD, Anchorage, AK
 Histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-007		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	43*	363		88		7.7
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L134	174.5	158.25		yes	19 Oct 90
Kidney	MM4K132	159.75	159.8		yes	
Blubber	MM4B133	140.9	137.2			28 Sept 90

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Teeth, reproductive organs to NSB DWM, Barrow, AK, ID # LDL-10-90
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-008		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	13*	364				
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L134	172.0	160.15		yes	3 Sept 92
Kidney	MM4K135	149.6	139.25		yes	
Blubber	MM4B136	130.0	135.9			16 Jan 91

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Teeth to NSB DWM, Barrow, AK, ID # LDL-62-90
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-009		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	13*	348		82		3.7
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L137	169.3	168.1		yes	26 May 92
Kidney	MM4K138	167.3	160.1		yes	
Blubber	MM4B139	139.0	141.9			18 Jan 91

ADDITIONAL SAMPLES COLLECTED:

*Age is Based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Teeth to NSB DWM, Barrow, AK, ID # LDL-34-90
 Histological samples to OAD, Anchorage, AK
 Histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-010		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	23*	400		105		
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L140	164.7	173.5		yes	4 Sept 92
Kidney	MM4K141	176.2	173.5		yes	
Blubber	MM4B142	116.3	116.9			23 Jan 91

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Teeth to NSB DWM, Barrow, AK, ID # LDL-60-90
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-011		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	28*	433		100		
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L143	162.7	143.0		yes	28 May 92
Kidney	MM4K144	154.35	165.6		yes	
Blubber	MM4B145	95.5	80.6			24 Jan 91

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Teeth to NSB DWM, Barrow, AK, ID # LDL-59-90
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-012		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	55*	375		84		
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L146	185.2	169.75		yes	24 Oct 90
Kidney	MM4K147	156.6	172.25		yes	
Blubber	MM4B148	142.55	133.45			2 Oct 90

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Teeth, reproductive organs to NSB DWM, Barrow, AK, ID # LDL-8-90
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-013		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	26*	434		98		8.4
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L149	161.0	168.1		yes	2 Jun 92
Kidney	MM4K150	179.8	160.95		yes	
Blubber	MM4B151	147.1	148.25			28 Jan 91

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Teeth, skin to NSB DWM, Barrow, AK, ID # LDL-16-90
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-014		11 July 90			Chukchi Sea, Point Lay	69°05' 163°45'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	23*	351		82		
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM4L152	161.0	172.85		yes	9 Jun 92
Kidney	MM4K153	158.1	156.2		yes	
Blubber	MM4B151	146.7	149.9			1 Feb 91

ADDITIONAL SAMPLES COLLECTED:

*Age is based on the number of growth rings counted in teeth, not an absolute age. Age determined by Robert Suydam.
 Teeth, reproductive organs to NSB DWM, Barrow, AK, ID # LDL-9-90
 Teeth, histological samples to OAD, Anchorage, AK
 Teeth, histological samples transferred from OAD to NIST, NBSB

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-015		6 Oct 92			Cook Inlet	60°35.1' 151°19.0'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	Mature	373.3		78.7		15.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L216	170.9	175.4			19 Jan 93
Kidney	MM6K217	157.3	147.6			
Blubber	MM6B218	138.3	151.7			

ADDITIONAL SAMPLES COLLECTED:

NMFS Western Alaska Field Office, ID # Kenai Beluga 3
 Skin, teeth to NMML, Seattle, WA
 Liver to U of AK Museum, Alaska Frozen Tissue Collection, Fairbanks, AK
 Skin to ADF&G, Fairbanks, AK

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-016		23 July 94			Anchorage, Upper Cook Inlet	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		472				
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Blubber	MM9B328	115.2	133.6			

ADDITIONAL SAMPLES COLLECTED:

NMFS field # CIBSUBS001

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-017		22 July 94			Anchorage, Upper Cook Inlet	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F		305				
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Blubber	MM9B329	117.5	126.4			

ADDITIONAL SAMPLES COLLECTED:

NMFS field # CIBSUBS002

BELUGA WHALE (*Delphinapterus leucas*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BLKA-018		23 July 94			Anchorage, Upper Cook Inlet	
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		305				
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Blubber	MM9B330	94.1	73.0			

ADDITIONAL SAMPLES COLLECTED:

NMFS field # CIBSUBS003

BOWHEAD WHALE (*Balaena Mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-001		29 May 92			Chukchi Sea, Barrow	71°16' 156°56'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Juvenile	853	10 ⁴	268	720	
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L197	96.7	146.0		yes	26 Jun 92
Kidney	MM6K198	134.2	138.1		yes	
Blubber	MM6B199	134.1	139.1			

ADDITIONAL SAMPLES COLLECTED:

Lung, liver, ventricle, baleen, stomach contents to NSB DWM, Barrow, AK, ID # 92B1
 Lung, liver, kidney, rete from mouth, colonic lymph nodes, spleen, thymus, blubber to Center for Marine Mammal Immunology, UC-Davis, CA
 Blood serum to U of AK, Fairbanks, AK
 Histological samples to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-002		29 May 92			Chukchi Sea, Barrow	71°18' 156°47'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Mature	1554	46-60x10 ⁸	518		45
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Kidney	MM6K200	145.5	142.6		yes	
Blubber	MM6B201	110.0	130.0			

ADDITIONAL SAMPLES COLLECTED:

NSB DWM, Barrow, AK, ID # 92B2
 Sublumbar lymph nodes to Center for Marine Mammal Immunology, UC-Davis, CA
 Skin, blubber to U of Hawaii
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-003		12 Sept 92			Chukchi Sea, Barrow	71°25' 155°49'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Mature	1460.5			946	23
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L202	170.9	176.9		yes	
Blubber	MM6B203	180.0	157.6			

ADDITIONAL SAMPLES COLLECTED:

Ovaries, stomach contents, skin with blubber to NSB DWM, Barrow, AK, ID # 92B10
 Blubber, liver, kidney to NMFS, Seattle, WA
 Blubber, liver, kidney to U of Ulm, Ulm, Germany
 Blood serum to U of AK, Fairbanks, AK
 Skin, blubber to U of Hawaii
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-004		17 Sept 92			Chukchi Sea, Barrow	71°25' 155°49'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	Mature	1504			960	26
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L204	180.0	175.3		yes	
Blubber	MM6B205	144.2	123.6			

ADDITIONAL SAMPLES COLLECTED:

Spleen, heart section, testes section, skin lesions from lower jaw, scar from skin & blubber, stomach contents, skin with blubber to NSB DWM, Barrow, AK, ID # 92B11
 Blubber with skin, liver to NMFS, Seattle, WA
 Blubber, liver to U of Ulm, Ulm, Germany
 Blood serum to U of AK, Fairbanks, AK
 Skin, blubber to U of Hawaii
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-005		19 Sept 92			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Adult	1201		427	780	20.3
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L206	176.9	173.2		yes	
Blubber	MM6B207	143.4	147.7			

ADDITIONAL SAMPLES COLLECTED:

Spleen, stomach contents, skin with blubber, tonsillar material, brains to NSB DWM, Barrow, AK, ID # 92B12
 Blubber, liver, brain to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Blubber, liver, brain to U of Ulm, Ulm, Germany
 Blood serum to U of AK, Fairbanks, AK
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-006		23 Sept 92			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Adult	1495			894	25
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L208	160.7	176.3		yes	26 Jan 93
Blubber	MM6B209	137.7	155.4			

ADDITIONAL SAMPLES COLLECTED:

Ovaries, male fetus, spleen, brain, skin with blubber to NSB DWM, Barrow, AK ID # 92B13
 Blubber, liver to NMFS, Seattle, WA
 Blood serum to U of AK, Fairbanks, AK
 Skin with blubber to U of Hawaii
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-007		24 Sept 92			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	Adult	1450			898	20.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L210	160.9	157.4		yes	27 Jan 93
Blubber	MM6B211	139.8	175.9			26 May 93

ADDITIONAL SAMPLES COLLECTED:

Testes section, brain, skin with blubber to NSB DWM, Barrow, AK, ID # 92B14
 Blubber, liver to NMFS, Seattle, WA
 Heart, kidney, liver, muscle to U of AK Museum, Fairbanks, AK
 Blood serum to U of AK, Fairbanks, AK
 Skin with blubber to U of Hawaii
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-008		26 Sept 92			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		1170			736	25
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L212	164.7	175.9		yes	
Blubber	MM6B213	147.3	132.3			

ADDITIONAL SAMPLES COLLECTED:

Testes section, 36 skin/blubber samples, spleen, bulbourethral gland, urine, penis & attachments, urinary bladder to NSB DWM, Barrow, AK, ID #92B15
 Blubber, liver to NMFS, Seattle, WA
 Liver, muscle to U of AK Museum, Fairbanks, AK
 Blood serum to U of AK, Fairbanks, AK
 Skin, blubber to U of Hawaii
 Histological samples to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-009		26 Sept 92			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		1095			694	18.5
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L214	164.1	152.7		yes	
Blubber	MM6B215	148.3	143.6			

ADDITIONAL SAMPLES COLLECTED:

Testes, 17 skin samples, spleen,, brain, skin with blubber to NSB DWM, Barrow, AK, ID # 92B16
 Blubber, liver to NMFS, Seattle, WA
 Liver, muscle, kidney, heart to U of AK Museum, Fairbanks, AK
 Blood serum to U of AK, Fairbanks, AK
 Skin with blubber to U of Hawaii
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-010		8 Oct 92			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Juvenile	750			536	
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L219	156.2	158.3		yes	
Blubber	MM6B220	125.8	130.4			

ADDITIONAL SAMPLES COLLECTED:

Ovaries, spleen, stomach contents, left scapula, brain, heart section, lung section, urogenital tract, right humerus, radius, ulna, 8 damaged vertebrae, skin with blubber, sternum to NSB DWM, Barrow, AK, ID # 92B17
 Blubber, liver to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Blood serum to U of AK, Fairbanks, AK
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-011		9 Oct 92			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		Juvenile	876			608
NBSB SAMPLES	NBSB ID NO.	15WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM6L221	149.4	146.2		yes	
Blubber	MM6B222	135.6	119.2			

ADDITIONAL SAMPLES COLLECTED:

Spleen, brain, urogenital tract, stomach contents, skin with blubber, skull to NSB DWM, Barrow, AK, ID # 92B18
 Blubber, liver to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Blood serum to U of AK, Fairbanks, AK
 Histological samples to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-012		30 April 93			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F		899		299	576	20
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L235	174.5	180.3		yes	
Blubber	MM7B236	142.5	143.4			

ADDITIONAL SAMPLES COLLECTED:

NSB DWM, Barrow, AK, ID # 93B7
 Blubber, liver to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Blood serum to U of AK, Fairbanks, AK
 Histological samples to NIST, NBSB

BOWHEAD WHALE (<i>Balaena mysticetus</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-013		2 May 93			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Juvenile	920		293	690	23
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L237	187.4	180.1		yes	
Blubber	MM7E239	139.2	138.6			
ADDITIONAL SAMPLES COLLECTED:						
NSB DWM, Barrow, AK, ID # 93B9 Blubber to NMFS, Seattle, WA Skin with blubber to U of Hawaii Blood serum to U of AK, Fairbanks, AK Muscle, cardiac muscle for DNA analysis to NBS DWM, Barrow, AK Histological sample to NIST, NBSB						

BOWHEAD WHALE (<i>Balaena mysticetus</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-014		7 May 93			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Juvenile	1105		388	680	19
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L239	163.5	150.0		yes	
Blubber	MM7B240	141.3	138.1			
ADDITIONAL SAMPLES COLLECTED:						
Skeletal muscle, liver, skin with blubber to NSB DWM, Barrow, AK, ID # 93B13 Blubber, liver to NMFS, Seattle, WA Skin with blubber to U of Hawaii Blood serum to U of AK, Fairbanks, AK Histological samples to NIST, NBSB						

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-015		7 May 93			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Juvenile	1045		352	674	15
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L241	151.5	166.1		yes	
Blubber	MM7B242	147.0	159.7			

ADDITIONAL SAMPLES COLLECTED:

Myocardium, skeletal muscle, skin with blubber to NSB DWM, Barrow, AK, ID # 93B14
 Blubber, liver to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Blood serum to U of AK, Fairbanks, AK
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-016		7 May 93			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Juvenile	871		278	556	20
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L243	175.5	176.4		yes	
Blubber	MM7B244	144.3	155.9			

ADDITIONAL SAMPLES COLLECTED:

Skeletal muscle, liver, skin with blubber to NSB DWM, Barrow, AK, ID # 93B15
 Blubber, liver to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Blood serum to U of AK, Fairbanks, AK
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-017		11 May 93			Chukchi Sea, Barrow	71°20' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
F	Juvenile	1105		304	572	18
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM7L245	154.8	156.2		yes	
Blubber	MM7B246	140.0	160.0			

ADDITIONAL SAMPLES COLLECTED:

Skeletal muscle, liver, skin with blubber to NSB DWM, Barrow, AK, ID # 93B16
 Blubber, liver to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Blood serum to U of AK, Fairbanks, AK
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-020		13 Oct 93			Chukchi Sea, Barrow	71°26.53' 156°53.7'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	Juvenile	1361			830	26
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM8L259	163.8	159.3		yes	
Blubber	MM8B260	140.0	140.1			

ADDITIONAL SAMPLES COLLECTED:

Kidney, liver, skeletal muscle, testes in 10% formulin, stomach contents, epididymis to NSB DWM, Barrow, AK, ID # 93B19
 Blubber, liver to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Blood serum to U of AK, Fairbanks, AK
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-021		18 Oct 93			Chukchi Sea, Barrow	71°18' 155°58'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M	Juvenile	1090			660	
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM8L261	168.6	169.7		yes	
Blubber	MM8B262	156.5	145.1			

ADDITIONAL SAMPLES COLLECTED:

Blubber, liver to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Larynx & associated structures, stomach contents to NSB DWM, Barrow, AK, ID # 93B21
 Blood serum to U of AK, Fairbanks, AK
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		DATE			LOCATION	LAT / LONG
692-BWHD-022		18 Oct 93			Chukchi Sea, Barrow	71°23.38' 155°50.38'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		1260		449	774	
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Blubber	MM8B263	155.6	159.8			

ADDITIONAL SAMPLES COLLECTED:

Stomach contents to NSB DWM, Barrow, AK, ID # 93B22
 Blubber to NMFS, Seattle, WA
 Skin with blubber to U of Hawaii
 Blood serum to U of AK, Fairbanks, AK

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-024		11 May 94			Barrow, AK	71°23.5' 156°43'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		775		242	302 x 2	20
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L290	184.7	180.8		yes	
Blubber	MM9B289	123.1	133.3			

ADDITIONAL SAMPLES COLLECTED:

NSB DWM, Barrow, AK, ID # 94B8
 Blubber, liver to NMFS, Seattle, WA
 Liver for radionuclides to OAD, Silver Spring, MD
 Blood, brain to NSB DWM, Barrow, AK
 Video taken of whale retained at NSB DWM, Barrow, AK
 Histological sample to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		DATE			LOCATION	LAT / LONG
692-BWHD-025		12 May 94			Barrow, AK	71°24.5' 156°53'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		1060		319	305 x 2	15
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L290	170.5	183.8		yes	
Blubber	MM9B291	114.3	90.7			

ADDITIONAL SAMPLES COLLECTED:

NSB DWM, Barrow, AK, ID # 94B9
 Liver, blubber to NWFS, Seattle, WA
 Liver for radionuclides to OAD, Silver Spring, MD
 Blood, brain to NSB DWM, Barrow, AK
 Hair follicle formalin to NSB DWM, Barrow, AK
 Muscle, liver, small intestine, pancreas, lung, stomach, rostral right baleen
 Video take of whale retained at NSB DWM, Barrow, AK
 Histology to NIST, NBSB

BOWHEAD WHALE (<i>Balaena mysticetus</i>)						
ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-026		12 May 94			Barrow, AK	71°23' 156°49'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		825		287	365 x 2	24
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Blubber	MM9B292	136.3	128.5			
ADDITIONAL SAMPLES COLLECTED:						
NSB DWM, Barrow, AK, ID # 94B10 Blubber to NMFS, Seattle, WA Blood to NSB DWM, Barrow, AK Video taken of whale retained at NSB DWM, Barrow, AK						

BOWHEAD WHALE (<i>Balaena mysticetus</i>)						
ANIMAL ID NO.		DATE			LOCATION	LAT / LONG
692-BWHD-027		14 May 94			Barrow, AK	71°25' 156°44'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		869		237	272 x 2	18
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L293	177.6	175.8		yes	
Blubber	MM9B294	123.1	121.4			
ADDITIONAL SAMPLES COLLECTED:						
NSB DWM, Barrow, AK, ID # 94B11 Liver, blubber to NWFS, Seattle, WA Liver for radionuclides to OAD, Silver Spring, MD Histology to NIST, NBSB						

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		SAMPLING DATE			LOCATION	LAT / LONG
692-BWHD-028		15 May 94			Barrow, AK	71°22.5' 156°55'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		828		276	228 x 2	17
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Liver	MM9L295	144.3	152.5		yes	
Blubber	MM9B296	136.9	134.7			

ADDITIONAL SAMPLES COLLECTED:

NSB DWM, Barrow, AK, ID # 94B12
 Liver, blubber to NMFS, Seattle, WA
 Lung for radionuclides to NSB DWM, Barrow, AK
 Histology to NIST, NBSB

BOWHEAD WHALE (*Balaena mysticetus*)

ANIMAL ID NO.		DATE			LOCATION	LAT / LONG
692-BWHD-029		15 May 94			Barrow, AK	71°22.5' 156°55'
SEX	AGE (y)	TOTAL LENGTH (cm)	TOTAL WEIGHT (kg)	FLUKE WIDTH (cm)	AXILLARY GIRTH (cm)	BLUBBER THICKNESS (cm)
M		1087		381	342 x 2	
NBSB SAMPLES	NBSB ID NO.	WEIGHT OF SUBSAMPLES			HISTOLOGY	SAMPLE HOMOGENIZED
		A (g)	B (g)			
Blubber	MM9B297	142.0	123.8			

ADDITIONAL SAMPLES COLLECTED:

NSB DWM, Barrow, AK, ID # 94B13
 Blubber to NWFS, Seattle, WA

