

**Aleut Community of St. Paul Island
Tribal Government
Ecosystem Conservation Office
PO Box 86
2050 Venia Minor Road
St. Paul Island, Alaska 99660
907-546-3200 (voice)
907-546-3253/3254 (fax)**

January 11, 2005

Aang (Greetings):

We are glad to present you with a copy of the final report entitled "*The Subsistence Harvest of Northern Fur Seals on the Pribilof Islands in 2004*". This report was prepared in cooperation with the St. George Traditional Council's Kayumixtax Eco-Office. The final draft version of this report has under gone review by the National Marine Fisheries Service, Tribal Government of St. Paul, and Traditional Council of St. George; no significant changes were made.

On St. Paul Island, we would like to thank the St. Paul sealers for their participation and cooperation, our staff, and National Marine Fisheries Service for making this report possible. This report was funded by the National Marine Fisheries Service Contract No. AB133F-04-SE-0722.

If you have any questions please contact us by telephone, or via email pazavadil@tdxak.com or aquilina@tdxak.com.

Qaġaalakux... Thanks,

Aquilina D. Lestenkof
Co-Director

Phillip A. Zavadil
Co-Director

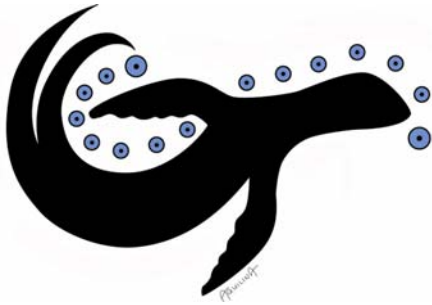
Cc. Fur Seal Harvest Report File

ADDENDUM

As reported in the *Adult Male and Female Seals Killed or Struck* subsection of the *Results* section in the report entitled “The Subsistence Harvest of Northern Fur Seals on the Pribilof Island in 2004” no female fur seals were struck and/or killed on either St. George or St. Paul Islands.

On January 11, 2005 after the completion and distribution this report, the Aleut Community of St. Paul Island-Tribal Government-Ecosystem Conservation Office received notice that two female fur seals were stuck and killed on as part of the 2004 subsistence fur seal harvest on St. George Island. The date and location of where these two female fur seals were harvested is unknown.

The total number of fur seals harvested during the 2004 subsistence fur seal harvest on St. George Islands did not change and still remains a total of 123 fur seals harvested.



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St. George Traditional Council Kayumixtax Eco-Office

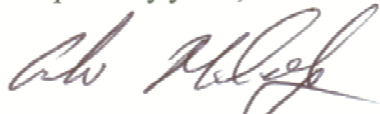
PO Box 940
St. George Island, AK 99591
Office (907) 859-2205
Fax (907) 859-2242

January 10, 2005

After a review by the St. George Traditional Council and the National Marine Fisheries Service we are pleased to present you with the final copy of the 2004 annual report on the subsistence harvest of northern fur seals on the Pribilof Islands. This report was prepared in cooperation with the Aleut Community of St. Paul Island, Tribal Government Ecosystem Conservation Office. This report was funded by the National Marine Fisheries Service Contract No. AB133F-03-SE-1156.

If you have any questions please contact us by telephone, or via email Andymalavansky@yahoo.com or Max_Malavan@hotmail.com

Respectfully yours,



Andrew Malavansky
Co-Director



Max Malavansky Jr.
Co-Director



**The Subsistence Harvest of Northern Fur Seals
on the
Pribilof Island in 2004**

January 2005

**The Subsistence Harvest of Northern Fur Seals
on the
Pribilof Island in 2004**

January 2005

by

¹Andrew Malavansky and ¹Max Malavansky, Jr., Co-Directors
Aleut Community of St. George Island
St. George Traditional Council
Kayumixtax Eco-Office
PO Box 940
St. George Island, Alaska 99591
907-859-2205 (voice)
907-859-2242 (fax)

and

²Phillip A. Zavadil and ²Aquilina D. Lestenkof, Co-Directors
²Peter Gabe Tetoff, Island Sentinel
Aleut Community of St. Paul Island
Tribal Government
Ecosystem Conservation Office
PO Box 86
St. Paul Island, Alaska 99660
907-546-2641/2642 (voice)
907-546-2655 (fax)

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INTRODUCTION

Laqux, northern fur seal (*Callorhinus ursinus*) is an important customary traditional food for Unangan of St. George and St. Paul Islands, Alaska. Over the last decade, there have been various situations and activities that have led the U.S. National Marine Fisheries Service and the Traditional Council of St. George and Tribal Government of St. Paul to work together in efforts to safeguard the existence of the northern fur seal. Hopefully this report will serve as an instrument in these endeavors.

Traditionally, seals were hunted at sea and use of the whole animal was practiced out of necessity and therefore, respect. Harvesting seals was introduced in reaction to pressure from the consumer culture whose values support killing animals, fur seal in this case, exclusively to make money. This process was foreign to our people's traditional value system. Nonetheless, our people participating against their will, instilled their conservative-based subsistence concepts of respectful harvest methods, such as no taking of females. Becoming harvesters of seals leads to a need for respectful control factors because the "one with one" rules of hunting had been crossed. The evolving harvest of fur seals on the Pribilofs has come to a transition calling for a process of improving control factors and changing to accommodate the needs of today's members of the Aleut Communities of St. George and St. Paul Islands.

METHODS

The 2004 subsistence fur seal harvest was conducted in accordance 50 CFR §216 Subpart F on both St. George and St. Paul Islands. Additionally, the 2004 subsistence fur seal harvest was conducted in accordance with the Northern Fur Seal Subsistence Harvest Management Plan on St. Paul Island.

The Tanaliḡ Amgiḡnaḡ (Island Sentinel) of the St. George Traditional Council Kayumixtax Eco-Office and the Tribal Government of St. Paul's Ecosystem Conservation Office (ECO) conducted the harvest monitoring for the 2004 subsistence fur seal harvest for the Aleut Communities of St. George and St. Paul Islands and in accordance with the Agreement between the Aleut Community of St. George Island and National Marine Fisheries Service, Agreement between the Aleut Community of St. Paul Island and National Marine Fisheries Service, and under contract with the National Marine Fisheries Service. The 2004 subsistence fur seal harvest on both islands was monitored for: number of seals harvested, by-products and waste, adult male and females seals killed or injured during the harvest operation, number of seal deaths due to overheating, number of seals entangled in marine debris, number of seals disentangled, oil contaminated seal pelts, other mortality, weather conditions at the time of the harvest, any other unusual conditions, and research conducted.

RESULTS

Fur Seals Harvested

The 2004 subsistence fur seal harvest season on the Pribilof Islands was conducted in 13 harvests (seven on St. George Island and six on St. Paul Island), beginning on 13 July 2004 on St. George Island and on 16 July 2004 on St. Paul Island. The last harvest on St. George Island took place on 06 August 2004 and on St. Paul Island on 07 August 2003. A total of 616 fur seals were taken this season on the Pribilof Islands (Table 1). A total of 123 fur seals were taken this season on St. George Island over those seven harvests at two different haulouts and 493 fur seals were taken on St. Paul Island over those six harvests at four different haulouts. Refer to Appendices A and B for harvest monitoring logs.

Table 1: Locations, number of harvests and seals harvested at the locations for the 2004 Subsistence Fur Seal Harvest on the Pribilof Islands, Alaska.

LOCATION	NUMBER OF HARVESTS	NUMBER OF SEALS HARVESTED
St. George Island		
North	5	93
Zapadni	2	30
Subtotal STG	7	123
St. Paul Island		
Big Zapadni	2	170
Gorbatch/Reef	2	131
Polovina	1	73
Zoltoi Sands	1	119
Subtotal SNP	6	493
Total	13	616

By Products and Waste

Fur seal pelts, throats, teeth, and whiskers were taken for arts and crafts purposes on both islands during the 2004 subsistence fur seal harvest.

No waste occurred on the harvest field under 50 CFR §216 Subpart F on either St. George and St. Paul Islands.

Adult Male and Female Seals Killed or Struck

Although precautions are taken to avoid the killing of adult males and females, however accidents may happen. During the 2004 subsistence fur seal harvest no adult female fur seals were struck and/or killed on either island. No adult male fur seals were struck and/or killed on St. George Island, however two adult male fur seals were stuck but not killed and one adult male fur seal was killed on St. Paul Island.

Heat Strokes

No deaths of any fur seal occurred due to heat stroke (over heating) during or as part of the 2004 subsistence fur seal harvest on St. George Island. Two deaths due to heat stroke (over heating) occurred during or as part of the harvest on St. Paul Island.

Entanglement

Thirteen entangled male seals were observed during this year's subsistence fur seal harvest on the Pribilof Islands (four on St. George Island and nine on St. Paul Island). One out of the four entangled fur seal on St. George Island and all nine of the entangled fur seals on St. Paul Island were successfully disentangled and released. Four male fur seals with scars indicating evidence of previous entanglement were also observed on St. Paul Island.

Oil Contamination

No evidence of oil contamination on fur seals pelts of harvested animals during the subsistence fur seal harvest was observed on either island.

Other Mortality

No other fur seal mortality occurred during this year's subsistence fur seal harvest on either island.

Anomalies

No anomalies occurred during the subsistence fur seal harvest on either island.

Research

A number research projects were conducted in conjunction with the subsistence harvests on both islands. On St. George Island the upper canine teeth were taken randomly at each harvest for the National Marine Mammal Laboratory (NMML) in Seattle, Washington. A total of 42 snouts with upper canines intact were collected to gather age related data from these harvest animals. These snouts were collected by Andrew Malavansky under Contract No. AB133F03SE1156 with NMFS. Thirty-two of the 42 snouts have been processed.

On St. Paul Island the upper canines were taken randomly at each harvest for the NMML in Seattle, Washington. A total of 81 snouts with upper canines intact were collected to gather age related data from these harvest animals. These snouts were collected and process by ECO staff under Contract No. AB133F04SE0578 with the NMML. These snouts have been mailed to NMML.

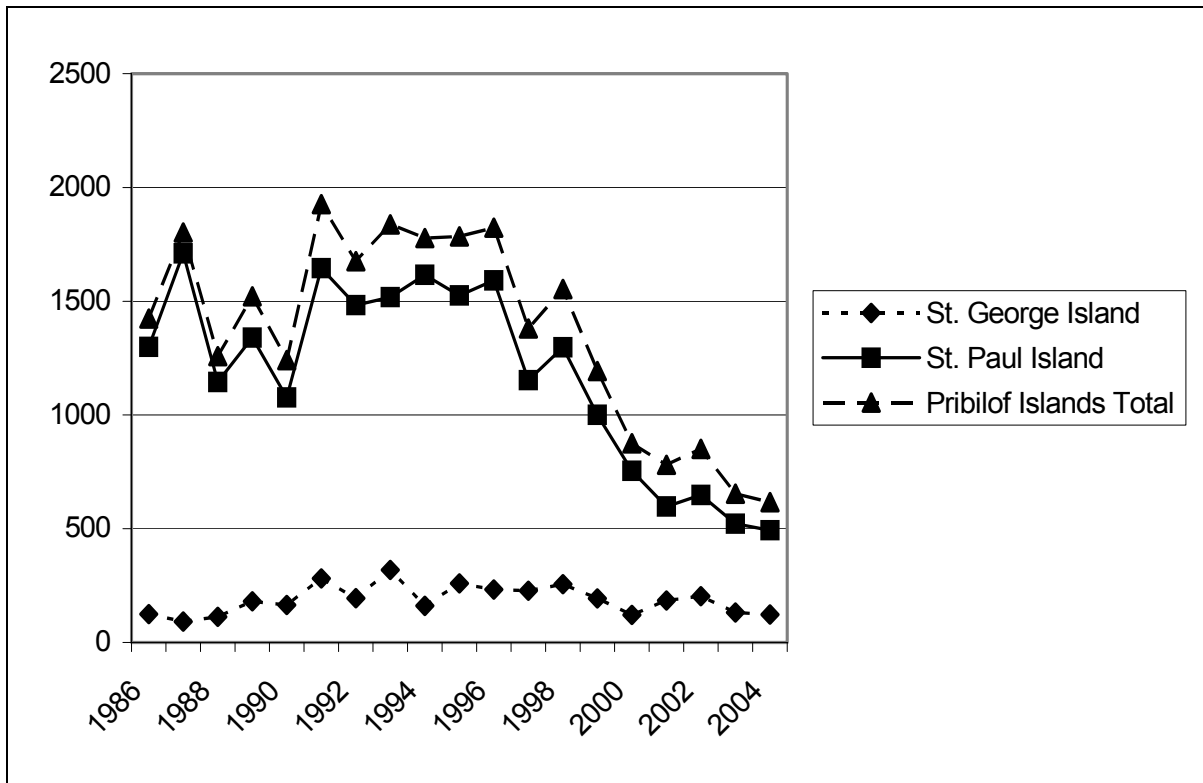
Additionally, on St. Paul Island ECO staff sampled 20 fur seals as part of an environmental contaminants project with the Alaska SeaLife Center, LGL Alaska Research Associates, and ECO. The purpose of this project is to increase our knowledge and understanding of the current shift in the ecosystem. In particular, we will be able to further the examination of the role of contaminants in the observed decline in marine mammal and seabird species. These samples were collected under Scientific Research Permit No. 481-1625-02.

DISCUSSION AND CONSIDERATIONS

Changes are occurring in our environment both locally and globally, in our community’s needs, and in our customary traditional activities, such as subsistence practices. We need to work with, accommodate, and make decisions regarding these changes based on our people’s generational values.

The fur seal take decreased slightly on both St. George and St. Paul Island from 2003. On St. George Island the number of fur seals taken decreased by approximately 6.8% from 132 fur seals in 2003 to 123 fur seals in 2004 and on St. Paul Island by approximately 5.5% from 522 fur seals in 2003 to 493 fur seals in 2004 (Figure 1).

Figure 1: Numbers of fur seals harvested, Subsistence Fur Seal Harvest 1986 – 2004, Pribilof Islands, Alaska (Lestenkof and Zavadil, 2001; NMFS, 2004; Zavadil and Lestenkof 2003a and 2003b).



Finding harvestable sub-adult male fur seals early in the season (end of June and early July) is difficult. Based on observations there either are less of sub-adults or they are not coming ashore until later in the season.

Presently, the fur seals are harvested for the subsistence needs of the members of the Aleut Communities of St. George and St. Paul Islands. The Tribal Governments of St. Paul and St. George, who must consider and respect all aspects of the community it represents-present and

future, governs the process. Community members must respect the fact that fellow community members are the sealer/harvest crew, performing harvest duties on behalf of all and that all animals harvested reflect the subsistence activity of the community as a whole. Community members must conduct themselves accordingly. In turn, the seal harvest crew must respect the process as representational of their fellow community members as a whole and conduct themselves accordingly.

The following are subsistence harvest guidelines from the St. George Traditional Council Kayumixtax ECO-Office:

1. Community members should dress their own seal at the harvest or make arrangements for a friend or family member to do so for them.
2. Transport to and from the harvest is up to each individual.
3. Put forth ideas to avoid waste such as trading or sharing parts with one another.
4. Harvest must take place early in the morning or when the weather is sufficiently cool to prevent overheating of the fur seals
5. No harvests will occur when the sun is out or when air temp may induce heat stroke or undue stress

The following are recommendations from the Tribal Government of St. Paul's Ecosystem Conservation Office Co-Directors:

1. Community members should pick up their seal meat from the harvest field or make their own arrangements for someone (family or friend) to provide transport to and from the seal harvest.
2. Community members wanting seal should provide their own salt, buckets, bags, etc.
3. Barter and trade by community members within the community and with other communities should be encouraged and promoted.
4. Put forth ideas to avoid wastage, such as trading parts with one another, an individual compensating another individual for labor such as cutting meat if they're unable to.
5. Tribal Government employees may participate in the harvest as community members on their personal time, except for specific paid positions such as researchers, research assistants, and the Island Sentinel or Harvest Monitor.
6. Harvest must take place in the early morning, beginning no later than 9:00 a.m., out of respect for the seals and to prevent the overheating of seals that usually occurs as temperatures warm up throughout the day.
7. Some harvests should be conducted in the evening to allow for community members who work during the day to participate in the harvest.
8. The Harvest Plan should be reviewed each year prior to the next harvest season.
9. The Harvest Plan must be followed.

ACKNOWLEDGEMENTS

The St. George Traditional Council's Kayumixtax ECO-Office wishes to thank the Aleut Community of St. George Island, and the Traditional Council staff for its support. A special thank you to the St. George harvest crew, Agafangel Lekanof, Dennis Lekanof, Victor F. Malavansky, Ryan Malavansky, Nick Lekanof, Curtis Lestenkof, Mark Merculief Jr, Ilarion Philemonof Jr., and Nathaniel Lekanof for your help and support.

The Tribal Government of St. Paul's Ecosystem Conservation Office wishes to thank the Aleut Community of St. Paul Island, and the Tribal Government for its support. Thank you to the following people for their support, assistance, and work for making this report possible: David R. Cormany and Michael Payne. A very special thank you to the St. Paul Sealers, Greg Fratis, Sr., Serafima Lestenkof, John W. Melovidov, Robert Melovidov, Terry Spraker, and M. Richard Zacharof for your cooperation, patience, and support.

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Appendix A: 2004 St. Paul Island northern fur seal harvest log

Harvest Identification Number	Harvest Date	Harvest Location	Drive Time	Harvest Time	Temperature (C)	Wind Direction	Wind Speed (MPH)	Weather Condition	Grass Condition	# Seals Harvested	# Entangled Seals	# Seals Disentangled	# Scarred Seals	# Bulls Stunned	# Bulls Killed	# Females Killed	# Heat Strokes	Comments
SNPNFSHV0401	July 16, 2004	Big Zapadni Haulout	11:10- 11:25	11:45- 1:45	45	East	15	Cloudy and Rainy	Moist	62	1	1	1	0	1	0	0	
SNPNFSHV0402	July 17, 2004	Reef / Gorbatch Haulouts	15:15- 15:35	16:00- 16:51	45	East	15	Cloudy	Moist	56	2	2	0	1	0	0	0	
SNPNFSHV0403	July 24, 2004	Polovina Haulouts	14:55-15:05	15:15- 16:10	45	East	12	Cloudy	Moist	73	1	1	0	0	0	0	0	
SNPNFSHV0404	August 3, 2004	Reef / Gorbatch Haulouts	15:40- 15:50	15:55- 17:10	52	Southeast	15	Overcast	Moist	75	0	0	0	1	0	0	0	
SNPNFSHV0405	August 6, 2004	Big Zapadni Haulout	14:10- 14:25	14:28- 16:15	51	East	15	Cloudy	Moist	108	4	4	2	0	0	0	2	2 road skins 1 taken 1 necropsy
SNPNFSHV0406	August 7, 2004	Zoltoi Sands Haulout	14:05- 14:30	14:44- 17:00	N/A	N/A	N/A	N/A	N/A	119	1	1	1	0	0	0	0	One five yr old bull seal.

Appendix B: 2004 St. Paul Island northern fur seal teeth collection log

Date	Sample #	Harvest Location
July 17, 2004	1	Reef and Gorbatch Haulouts
July 17, 2004	2	Reef and Gorbatch Haulouts
July 17, 2004	3	Reef and Gorbatch Haulouts
July 17, 2004	4	Reef and Gorbatch Haulouts
July 17, 2004	5	Reef and Gorbatch Haulouts
July 17, 2004	6	Reef and Gorbatch Haulouts
July 17, 2004	7	Reef and Gorbatch Haulouts
July 17, 2004	8	Reef and Gorbatch Haulouts
July 24, 2004	9	Polovina Haulout
July 24, 2004	10	Polovina Haulout
July 24, 2004	11	Polovina Haulout
July 24, 2004	12	Polovina Haulout
July 24, 2004	13	Polovina Haulout
July 24, 2004	14	Polovina Haulout
July 24, 2004	15	Polovina Haulout
July 24, 2004	16	Polovina Haulout
July 24, 2004	17	Polovina Haulout
July 24, 2004	18	Polovina Haulout
July 24, 2004	19	Polovina Haulout
July 24, 2004	20	Polovina Haulout
July 24, 2004	21	Polovina Haulout
July 24, 2004	22	Polovina Haulout
August 3, 2004	23	Gorbatch Haulout
August 3, 2004	24	Gorbatch Haulout
August 3, 2004	25	Gorbatch Haulout
August 3, 2004	26	Gorbatch Haulout
August 3, 2004	27	Gorbatch Haulout
August 3, 2004	28	Gorbatch Haulout
August 3, 2004	29	Gorbatch Haulout
August 3, 2004	30	Gorbatch Haulout
August 3, 2004	31	Gorbatch Haulout
August 3, 2004	32	Gorbatch Haulout
August 3, 2004	33	Gorbatch Haulout
August 3, 2004	34	Gorbatch Haulout
August 3, 2004	35	Gorbatch Haulout
August 3, 2004	36	Gorbatch Haulout
August 3, 2004	37	Gorbatch Haulout

Date	Sample #	Harvest Location
August 6, 2004	38	Big Zapadni Sands Haulout
August 6, 2004	39	Big Zapadni Sands Haulout
August 6, 2004	40	Big Zapadni Sands Haulout
August 6, 2004	41	Big Zapadni Sands Haulout
August 6, 2004	42	Big Zapadni Sands Haulout
August 6, 2004	43	Big Zapadni Sands Haulout
August 6, 2004	44	Big Zapadni Sands Haulout
August 6, 2004	45	Big Zapadni Sands Haulout
August 6, 2004	46	Big Zapadni Sands Haulout
August 6, 2004	47	Big Zapadni Sands Haulout
August 6, 2004	48	Big Zapadni Sands Haulout
August 6, 2004	49	Big Zapadni Sands Haulout
August 6, 2004	50	Big Zapadni Sands Haulout
August 6, 2004	51	Big Zapadni Sands Haulout
August 6, 2004	52	Big Zapadni Sands Haulout
August 6, 2004	53	Big Zapadni Sands Haulout
August 6, 2004	54	Big Zapadni Sands Haulout
August 6, 2004	55	Big Zapadni Sands Haulout
August 6, 2004	56	Big Zapadni Sands Haulout
August 6, 2004	57	Big Zapadni Sands Haulout
August 6, 2004	58	Big Zapadni Sands Haulout
August 6, 2004	59	Big Zapadni Sands Haulout
August 07, 2004	60	Zoltoi Sands Haulout
August 07, 2004	61	Zoltoi Sands Haulout
August 07, 2004	62	Zoltoi Sands Haulout
August 07, 2004	63	Zoltoi Sands Haulout
August 07, 2004	64	Zoltoi Sands Haulout
August 07, 2004	65	Zoltoi Sands Haulout
August 07, 2004	66	Zoltoi Sands Haulout
August 07, 2004	67	Zoltoi Sands Haulout
August 07, 2004	68	Zoltoi Sands Haulout
August 07, 2004	69	Zoltoi Sands Haulout
August 07, 2004	70	Zoltoi Sands Haulout
August 07, 2004	71	Zoltoi Sands Haulout
August 07, 2004	72	Zoltoi Sands Haulout
August 07, 2004	73	Zoltoi Sands Haulout
August 07, 2004	74	Zoltoi Sands Haulout
August 07, 2004	75	Zoltoi Sands Haulout
August 07, 2004	76	Zoltoi Sands Haulout
August 07, 2004	77	Zoltoi Sands Haulout
August 07, 2004	78	Zoltoi Sands Haulout
August 07, 2004	79	Zoltoi Sands Haulout
August 07, 2004	80	Zoltoi Sands Haulout
August 07, 2004	81	Zoltoi Sands Haulout

Appendix C: 2004 St. Paul Island northern fur seal sample collection summary

Sample Number	Sample Date	Sample Location	Sampler	Sex of Animal	Age Class of Animal	Samples Taken	Shipped To	Shipping Date	Current Sample Location	SRP#
SNPNFS0401	16 July 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02
SNPNFS0402	16 July 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02
SNPNFS0403	16 July 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02
SNPNFS0404	16 July 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02
SNPNFS0405	16 July 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02
SNPNFS0406	17 July 2004	Reef and Gorbach Haulouts	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02

The Subsistence Harvest of Northern Fur Seals on the Pribilof Islands in 2004

11 January 2005

Sample Number	Sample Date	Sample Location	Sampler	Sex of Animal	Age Class of Animal	Samples Taken	Shipped To	Shipping Date	Current Sample Location	SRP#
SNPNFS0407	17 July 2004	Reef and Gorbatch Haulouts	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02
SNPNFS0408	17 July 2004	Reef and Gorbatch Haulouts	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02
SNPNFS0409	17 July 2004	Reef and Gorbatch Haulouts	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02
SNPNFS0410	17 July 2004	Reef and Gorbatch Haulouts	Phillip A. Zavadil	Male	Juvenile	Blubber Muscle Kidney Heart Liver Teste Lung Brain			TGSNP-ECO	481-1625-02
SNPNFS0411	24 July 2004	Polovina Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02
SNPNFS0412	24 July 2004	Polovina Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02
SNPNFS0413	24 July 2004	Polovina Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02
SNPNFS0414	24 July 2004	Polovina Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02
SNPNFS0415	24 July 2004	Polovina Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02
SNPNFS0416	06 August 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02
SNPNFS0417	06 August 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02
SNPNFS0418	06 August 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02
SNPNFS0419	06 August 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02
SNPNFS0420	06 August 2004	Big Zapadni Haulout	Phillip A. Zavadil	Male	Juvenile	Blubber Liver			TGSNP-ECO	481-1625-02