State of Alaska
Department of Fish and Game
Habitat and Restoration Division

Nomination for Waters Important to Anadromous Fish

Region: ARCTIC

USGS Quad: St. Lawrence Island

Anadromous Water Catalog Number of Waterway: 333-99-10250

Name of Waterway: Suqitughneq River ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	99 259		1/25/2000
Revision Year:	2000	Regional Supervisor	Date
Revision to:	Atlas ____ Catalog ____	Ed Weiss	1/9/00
	Both X	AWC Project Biologist	Date
Revision Code:	A-2, A5	L. Brown	2/2/00
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Dolly Varden	8/1-4/99		X	X	☑
Alaska Blackfish	8/1-4/99			X	☐
Ninespine Stickleback	8/1-4/99			X	☐
Fourhorn Sculpin	8/1-4/99			X	☐
					☐

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: ① Resident fish to 12" observed – spawning colors.
② Anadromous DV to 16" observed. ✓
③ Numerous juveniles (40-60mm) near lagoon.

ALASKA DEPT. OF FISH & GAME
NOV 3 - 1999
REGION II
HABITAT AND RESTORATION DIVISION

Name of Observer (please print): Larry D. Bartlett

Signature: Larry Bartlett Date: 11/2/99

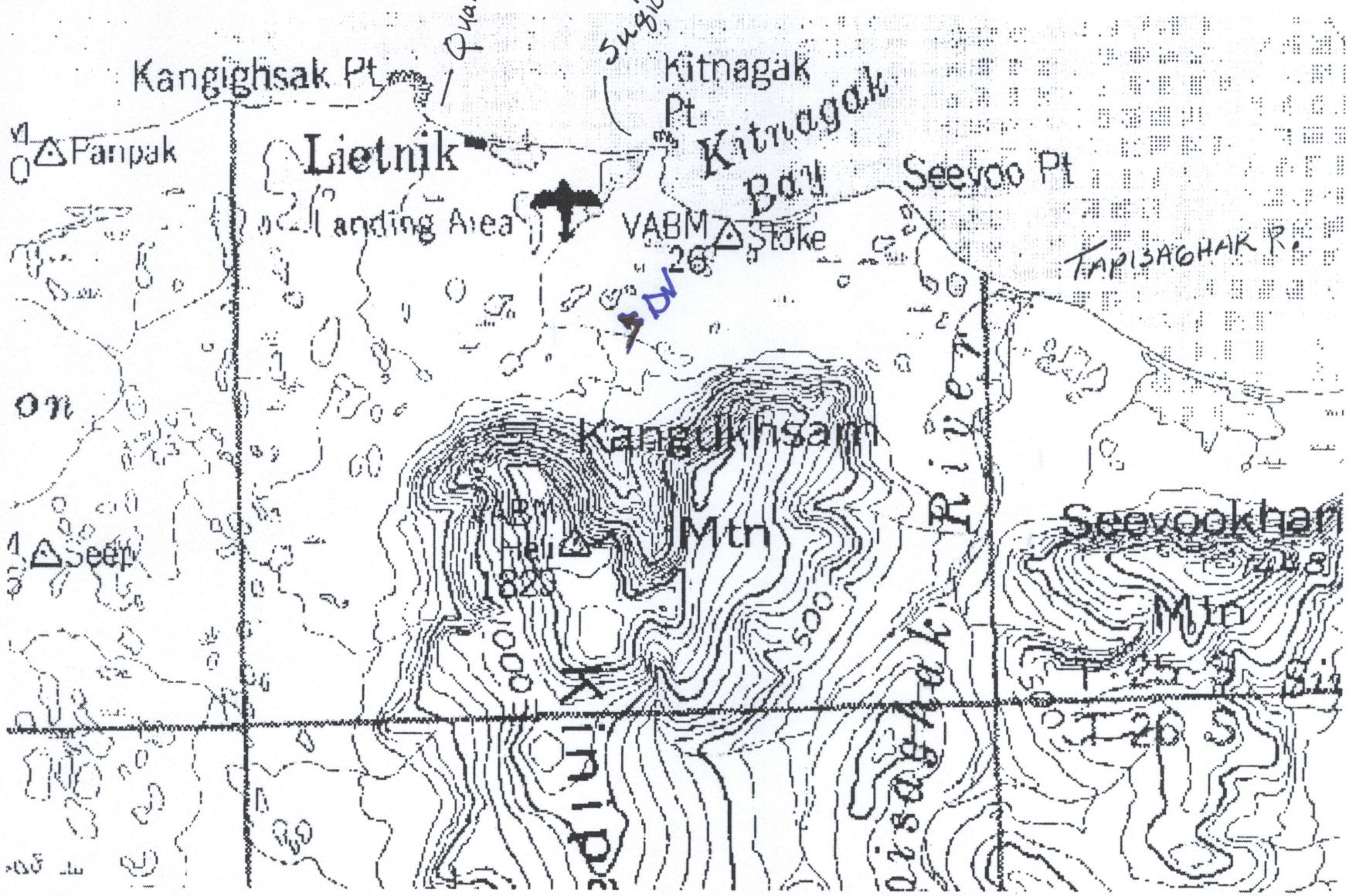
Address: USAED-AD PO Box 868
Anchorage, AK. 99506-0898

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____

Revision 3/97

AREAS of Observation



Weiss, Ed

From: Bartlett, Larry D POA02 [Larry.D.Bartlett@poa02.usace.army.mil]
Sent: Friday, September 03, 1999 1:36 PM
To: 'Ed_Weiss@fishgame.state.ak.us'
Subject: St. Lawrence Island fauna

Ed, here is some info (for the Anadromous catalog) on the fish, wildlife, and riparian vegetation observed at North east cape on Saint Lawrence Island between August 1 and August 4, 1999. The Suqitughneq River enters the Bering Sea at Kitnagak Point, the Quangeghsaq River enters the Bering Sea about 2.8 km west of Kitnagak Point and the Tapisaghak River enters about 5.8 km east of the point. These sites are on the north about 15 km west of the Northeast Cape of St. Lawrence Island. You can look up the coordinates for the catalog and distribute as appropriate. Larry B.

Fish Species Collected

Fish species collected in the Suqitughneq River were:

1. Dolly Varden Salvelinus malma (resident and anadromous; fry, smolt, and adult).
2. Alaska blackfish Dallia pectoralis.
3. Ninespine stickleback Pungitius pungitius.
4. Fourhorn sculpin Myoxocephalus quadricornis.

Fish species collected in the Quangeghsaq River were:

1. Dolly Varden Salvelinus malma (adult anadromous only).
2. Alaska blackfish Dallia pectoralis.
3. Ninespine stickleback Pungitius pungitius.

Fish species collected in the Tapisaghak River were:

5. Dolly Varden Salvelinus malma (adult anadromous only).
6. Pink salmon Oncorhynchus gorbuscha (adult).

Riparian Vegetation

Riparian vegetation was typical of tundra habitat. Grasses, sedges, willow and wildflowers dominated. Dominant riparian plants were collected for identification. Plants identified were:

1. Cotton grass Eriophorium sp. (especially E. angustifolium).
2. Coltsfoot Petasites sp. (especially P. frigidus).
3. Jacobs's ladder Polemonium sp. (especially P. acutiflorum).
4. Club mosses Lycopdium sp.
5. Willow Salix sp. (especially S. chamissonis, S. arcticus, and S. pulchra).
6. Crowfoot Thalictrum sp.
7. Nagoon berry rubis arcticus.
8. Monkshood Aconitum sp.
9. Arctic dock Rumex arcticus.
10. Rose root Sedum sp.
11. Bog star Parnassia kotzebuei.
12. Swamp horsetail Equisetum fluviatile.
13. Polargrass Arctagrostis latifolia.

Wildlife

Wildlife was observed but was not particularly abundant on the Northeast Cape project site during the 31 July to 5 August 1999 visit. The birds and mammals seen on the project site are included in the list below.

1. Common raven Corvus corax.
2. Sandhill crane Grus canadensis.
3. Unidentified loons Gravia sp.
4. Long-tailed Jaeger Stercoraius longicaudus.

Weiss, Ed

From: Weiss, Ed
Sent: Tuesday, June 15, 1999 9:00 AM
To: 'larry.d.bartlett@poa02.usace.army.mil'
Subject: St. Lawrence Is. Streams

-----Original Message-----
From: Weiss, Ed
Sent: Monday, June 14, 1999 4:46 PM
To: 'larry.d.bartlett@usace.army.mil'
Cc: McLean, Mac
Subject: St. Lawrence Is. Streams

Larry, I was not able to find much out about streams on St. Lawrence Is.

You were correct there are no streams listed in the AWC for St. Lawrence Is.

The old Alaska Fisheries Atlas (ADF&G 1978) shows two streams as having salmon present. Both on the south side of the island, the Koozata River was listed as having Coho (S.C. island) present and the Maknek River (S.E. end) was listed as having Chum present. As I mentioned, they are not in the AWC. I am not sure why and at this point have not found any supporting documentation. Additionally, the 1985 Alaska Habitat Management Guides shows the Kapsukalik lake and Koozata drainages as having Grayling and Arctic char and the Ongoveyuk as having Arctic Char. White fish were also indicated in a stream near Tomname Mountain which drains into Seepanak Lagoon (N.E. island).

I also talked with Comm Fish and Subsistence Divisions. Subsistence did a harvest survey out there last year and found that the reported harvest for Savoonga and Gambell was 3189 fish. All five species of pacific salmon were indicated as having been caught. However, where the fish were caught is unknown. It is known that the primary method was by set net, probably beach oriented. There was also some hook and line catches. It is not known if these are fish passing by the island or fish actually using the streams on the island. Charlie Lean with Comm Fish said that he has had some second and third hand information that there are fish using the streams on the island however there has never been any formal inventory. He said this is further complicated by the fact that the whole of the island is owned by the Native groups and the shorelands are divided up amongst the family groups.

The resource atlas associated with the Bering Straits Coastal Resource Service Area (CRSA) shows several streams on the island as fish streams but does not show associated species. There are at least five of these that are in the N.E. portion of the island. As near as I can tell they are: Fossil River and Kapsukalik Lake drainage, Ongoveyuk River and large stream to east which share mouth, and a large stream draining into Tomname Lagoon. These roughly mimic the info in the Habitat Management Guides

In short, I was not able to find any hard evidence on the salmon resources on the island.

As for ADF&G participation we would like to be kept in the loop especially since it sounds like there will be instream work. Any permits etc. that would be issued for the project would come out of Region III therefore they would be the most likely candidates for a trip out there. You can check with Robert "Mac" McLean, if he can't help you he'll be able to put you in contact with the appropriate person.

If you do come up with any historical or new fish resource information please let me know so I can add it to our files or get it into the AWC.

Edward W. Weiss
Habitat Biologist
Habitat & Restoration Division
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599
Phone: (907)-267-2305
FAX: (907)-267-2464

1998 Northwest Subsistence Salmon Harvests

	Total HH's	HH's Contacted	Chinook Reported Harvest	Chinook Est.* Total	Chum Reported Harvest	Chum Est.* Total	Pink Reported Harvest	Pink Est.* Total	Sockeye Reported Harvest	Sockeye Est.* Total	Coho Reported Harvest	Coho Est.* Total	Total Reported Harvest	Total Est.* Total
Nome Permits**	167	104	15	15	964	964	4797	4797	14	14	1057	1057	6847	6847
Subdistrict 1	**167**	**104**	**15**	**15**	**964**	**964**	**4797**	**4797**	**14**	**14**	**1057**	**1057**	**6847**	**6847**
Golovin	47	38	70	86	829	1023	4415	5446	14	17	495	611	5823	7184
Niukluk R. Permits**	4	3	0	0	0	0	0	0	0	0	91	91	91	91
White Mountain	65	39	64	98	567	870	5146	7894	13	20	388	603	6178	9486
Subdistrict 2	**116**	**80**	**134**	**184**	**1396**	**1893**	**9561**	**13340**	**27**	**37**	**974**	**1305**	**12092**	**16760**
Elim	76	70	383	414	1273	1376	6377	6891	45	49	1690	1831	9768	10561
Subdistrict 3	**76**	**70**	**383**	**414**	**1273**	**1376**	**6377**	**6891**	**45**	**49**	**1690**	**1831**	**9768**	**10561**
Koyuk	74	63	583	684	5278	6192	1713	2009	0	0	331	388	7905	9274
Subdistrict 4	**74**	**63**	**583**	**684**	**5278**	**6192**	**1713**	**2009**	**0**	**0**	**331**	**388**	**7905**	**9274**
Shaktoolik	53	50	916	982	965	1034	5833	6270	86	92	1743	1872	9543	10250
Subdistrict 5	**53**	**50**	**916**	**982**	**965**	**1034**	**5833**	**6270**	**86**	**92**	**1743**	**1872**	**9543**	**10250**
Unalakleet	216	204	3735	3963	2404	2551	12414	13173	189	201	6883	7303	25625	27191
Subdistrict 6	**216**	**204**	**3735**	**3963**	**2404**	**2551**	**12414**	**13173**	**189**	**201**	**6883**	**7303**	**25625**	**27191**
Stebbins	113	95	1154	1410	3204	3909	2558	3125	241	295	2563	3116	9720	11854
St. Michael	89	70	446	542	1238	1,502	792	961	117	143	1154	1,406	3747	4554
South Norton Sound	**202**	**165**	**1600**	**1952**	**4442**	**5411**	**3350**	**4086**	**358**	**438**	**3717**	**4522**	**13467**	**16408**
Gambell	149	141	72	72	431	432	910	914	265	265	392	393	2070	2077
Savoonga	131	116	28	28	179	179	449	452	118	118	333	335	1107	1111
St. Lawrence Island	**280**	**257**	**100**	**100**	**610**	**611**	**1359**	**1366**	**383**	**383**	**725**	**728**	**3177**	**3189**
NORTON SOUND	1184	993	7466	8295	17332	20032	45404	51933	1102	1214	17120	19007	88424	100480
Brevig Mission	70	64	100	109	542	588	4610	4981	548	590	560	606	6360	6874
Pilgrim R. Permits**	12	7	1	1	1	1	3	3	30	30	0	0	35	35
Teller	75	74	178	178	2024	2033	2820	2831	1073	1075	1151	1153	7246	7270
PORT CLARENCE	157	145	279	289	2567	2621	7433	7815	1651	1696	1711	1759	13641	14179
Ambler	80	73	0	0	2208	2432	2	2	2	2	0	0	2212	2437
Kiana[1]	102	88	27	29	3196	3414	6	6	0	0	16	17	3245	3466
Kobuk	25	25	0	0	1031	1031	0	0	0	0	0	0	1031	1031
Kotzebue***	790	157	65	327	4962	24968	373	1877	77	387	52	262	5529	27821
Noatak	97	90	5	5	2496	2614	6	6	2	2	0	0	2509	2627
Noorvik	129	109	19	21	8685	9845	198	224	0	0	124	140	9026	10230
Shungnak	56	50	0	0	4222	4676	0	0	0	0	38	42	4260	4718
KOTZEBUE SOUND	1279	592	116	383	26800	48979	585	2116	81	392	230	461	27812	52330
TOTALS	2620	1730	7861	8967	46699	71632	53422	61863	2834	3301	19061	21226	129877	166989

[1] Kiana estimated chum harvest includes chum from the ADF&G test net fishery in addition to the survey results.

* If less than 30 or 50% of households in a community were contacted, then reported harvest is used for estimated harvest.

** Alaska Department of Fish and Game, Division of Commercial Fisheries Management and Development, permit returns, 1998. Reported harvest.

*** Alaska Department of Fish and Game, Division of Subsistence, postcard survey, 1998.

SOURCE: Alaska Department of Fish and Game, Division of Subsistence, household surveys, 1998.

1998 Northwest Subsistence Salmon Harvests: Rod and Reel

	Total HH's	HH's Contacted	Chinook Reported Harvest	Chinook Est.* Total	Chum Reported Harvest	Chum Est.* Total	Pink Reported Harvest	Pink Est.* Total	Sockeye Reported Harvest	Sockeye Est.* Total	Coho Reported Harvest	Coho Est.* Total	Total Reported Harvest	Total Est.* Total
Nome Permits**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subdistrict 1	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Golovin	47	38	0	0	53	65	235	290	0	0	208	257	496	612
Niukluk R. Permits**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White Mountain	65	39	24	37	52	82	883	1355	0	0	378	588	1337	2062
Subdistrict 2	**112**	**77**	**24**	**37**	**105**	**147**	**1118**	**1645**	**0**	**0**	**586**	**845**	**1833**	**2674**
Elim	76	70	153	165	214	231	1631	1763	5	5	778	846	2781	3010
Subdistrict 3	**76**	**70**	**153**	**165**	**214**	**231**	**1631**	**1763**	**5**	**5**	**778**	**846**	**2781**	**3010**
Koyuk	74	63	36	42	64	75	205	240	0	0	70	82	375	440
Subdistrict 4	**74**	**63**	**36**	**42**	**64**	**75**	**205**	**240**	**0**	**0**	**70**	**82**	**375**	**440**
Shaktoolik	53	50	25	27	15	16	33	35	1	1	268	287	342	367
Subdistrict 5	**53**	**50**	**25**	**27**	**15**	**16**	**33**	**35**	**1**	**1**	**268**	**287**	**342**	**367**
Unalakleet	216	204	445	472	175	186	733	777	23	24	2334	2476	3710	3934
Subdistrict 6	**216**	**204**	**445**	**472**	**175**	**186**	**733**	**777**	**23**	**24**	**2334**	**2476**	**3710**	**3934**
Stebbins	113	95	68	83	70	85	33	40	11	13	244	295	426	517
St. Michael	89	70	36	44	194	235	82	99	62	77	130	160	504	615
South Norton Sound	**202**	**165**	**104**	**127**	**264**	**320**	**115**	**139**	**73**	**90**	**374**	**455**	**930**	**1132**
Gambell	149	141	8	8	9	9	113	115	12	12	89	90	231	235
Savoonga	131	116	22	22	3	3	76	76	17	17	70	70	188	188
St. Lawrence Island	**280**	**257**	**30**	**30**	**12**	**12**	**189**	**191**	**29**	**29**	**159**	**160**	**419**	**423**
NORTON SOUND	1013	886	817	900	849	988	4024	4790	131	150	4569	5151	10390	11979
Brevig Mission	70	64	25	29	0	0	168	180	0	0	45	51	238	260
Pilgrim R. Permits**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teller	75	74	0	0	0	0	30	30	5	5	2	2	37	37
PORT CLARENCE	145	138	25	29	0	0	198	210	5	5	47	53	275	297
Ambler	80	73	0	0	10	11	1	1	0	0	0	0	11	12
Kiana[1]	102	88	0	0	246	263	0	0	0	0	5	5	251	269
Kobuk	25	25	0	0	0	0	0	0	0	0	0	0	0	0
Kotzebue***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Noatak	97	90	0	0	322	339	1	1	2	2	0	0	325	342
Noorvik	129	109	0	0	38	43	0	0	0	0	0	0	38	43
Shungnak	56	50	0	0	0	0	0	0	0	0	0	0	0	0
KOTZEBUE SOUND	489	435	0	0	616	657	2	2	2	2	5	5	625	666
TOTALS	1647	1459	842	928	1465	1645	4224	5003	138	157	4621	5210	11290	12943

[1] Kiana estimated chum harvest includes chum from the ADF&G test net fishery in addition to the survey results.

* If less than 30 or 50% of households in a community were contacted, then reported harvest is used for estimated harvest.

** Alaska Department of Fish and Game, Division of Commercial Fisheries Management and Development, permit returns, 1998. Reported harvest.

*** Alaska Department of Fish and Game, Division of Subsistence, postcard survey, 1998.

SOURCE: Alaska Department of Fish and Game, Division of Subsistence, household surveys, 1998.

1998 Northwest Alaska Subsistence Salmon Harvests: Gear Types

	Total HH's	HH's Responding	Gear Types* Drift Net	Set Net	Seine	Rod & Reel	Dip Net
Nome Permits							
Subdistrict 1							
Golovin	47	26	0.00%	29.52%	36.08%	77.04%	0.00%
Niukluk R. Permits							
White Mountain	65	29	0.00%	8.08%	24.23%	91.92%	0.00%
Subdistrict 2	**112**	**55**	**0.00%**	**17.72%**	**29.53%**	**85.23%**	**0.00%**
Elim	76	57	1.60%	27.25%	25.65%	79.16%	7.27%
Subdistrict 3	**76**	**57**	**1.60%**	**27.25%**	**25.65%**	**79.16%**	**7.27%**
Koyuk	74	43	0.00%	80.37%	9.81%	43.18%	0.00%
Subdistrict 4	**74**	**43**	**0.00%**	**80.37%**	**9.81%**	**43.18%**	**0.00%**
Shaktoolik	53	38	0.00%	50.33%	39.41%	67.55%	0.00%
Subdistrict 5	**53**	**38**	**0.00%**	**50.33%**	**39.41%**	**67.55%**	**0.00%**
Unalakleet	216	164	2.65%	52.39%	13.26%	77.31%	0.00%
Subdistrict 6	**216**	**164**	**2.65%**	**52.39%**	**13.26%**	**77.31%**	**0.00%**
Stebbins	113	56	1.31%	70.86%	0.00%	48.89%	0.00%
St. Michael	89	33	1.88%	66.02%	0.00%	66.07%	0.00%
South Norton Sound	**202**	**89**	**1.54%**	**67.44%**	**0.00%**	**56.14%**	**0.00%**
Gambell	149	44	3.29%	64.81%	1.65%	73.67%	0.00%
Savoonga	131	18	0.00%	66.67%	0.00%	44.44%	0.00%
St. Lawrence Island	**280**	**62**	**1.92%**	**61.50%**	**0.96%**	**75.08%**	**0.00%**
NORTON SOUND	1013	508	1.49%	49.42%	12.49%	70.79%	0.84%
Brevig Mission	70	34	0.00%	72.63%	9.12%	34.17%	0.00%
Pilgrim R. Permits							
Teller	75	27	0.00%	73.31%	2.03%	57.44%	0.00%
PORT CLARENCE	145	61	0.00%	71.67%	8.16%	40.78%	0.00%
Ambler	80	22	0.00%	89.76%	12.80%	5.12%	0.00%
Deering							
Kiana	102	31	0.00%	37.65%	2.09%	76.99%	0.00%
Kobuk	25	6	0.00%	100.00%	0.00%	0.00%	0.00%
Kotzebue	790	74	0.00%	82.43%	1.35%	25.68%	0.00%
Noatak	97	50	1.67%	18.40%	33.31%	65.02%	0.00%
Noorvik	129	46	0.00%	75.53%	1.22%	25.69%	0.00%
Shishmaref	0	0					
Shungnak	56	20	0.00%	100.00%	25.00%	0.00%	0.00%
Wales							
KOTZEBUE SOUND	1279	249	0.35%	65.46%	12.94%	33.94%	0.00%
TOTALS	2437	818	1.10%	57.32%	12.80%	56.58%	0.52%

* A household may use multiple gear types.

* If less than 30 or 50% of households in a community were contacted, then reported harvest is used for estima

** Alaska Department of Fish and Game, Division of Commecial Fisheries Management and Development, per

*** Alaska Department of Fish and Game, Division of Subsistence, baseline subsistence harvest surveys, 1994 a

SOURCE: Alaska Department of Fish and Game, Division of Subsistence, household surveys, 1998.

ALASKA DEPT. OF
FISH & GAME

JUN 1 4 1999

REGION II
HABITAT AND RESTORATION
DIVISION

ALASKA DEPARTMENT OF FISH AND GAME
HABITAT AND RESTORATION DIVISION
1300 COLLEGE ROAD
FAIRBANKS, AK 99701

Telephone (907) 459-7289
FAX (907) 456-3091

RAPIFAX TRANSMITTAL SHEET

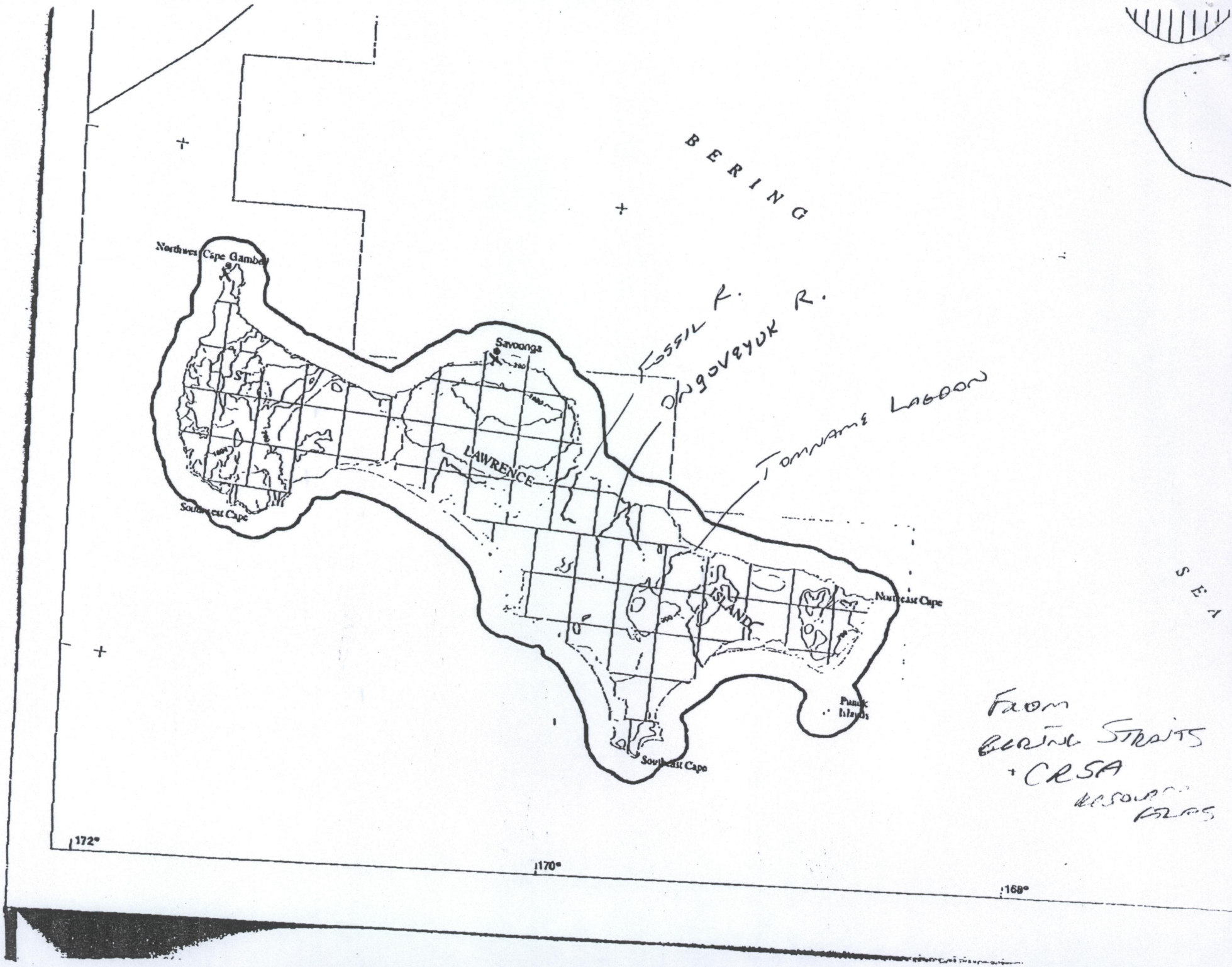
TO: ED WEISS

FROM: MAC

DATE: _____, 1999

Number of pages following this cover page: 1

MESSAGE:


BERING
SEA
Northwest Cape Gambell
Savoonga
LAWRENCE
ISLAND
Southwest Cape
Northeast Cape
Punuk Islands
Southeast Cape
172°
170°
168°
FOSSIL R.
ONGOVEYUK R.
TOMNAME LAGOON
FROM
BERING STRAITS
+ CRSA
RESOURCE
FILES