State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

Region: SOUTHCENTRAL | USGS Quad: Seward D-6

Anadromous Water Catalog Number of Waterway: 247-60- 10235

Name of Waterway: Set 1-16 | ☐ USGS Name | ☐ Local Nam

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	98 200		1/8/98
Revision Year:		Regional Supervisor	Date
Revision to: Atlas ____ Catalog ____		[signature]	1/8/98
Both X		AWC Project Biologist	Date
Revision Code:	A-Z	[signature]	1/20/98
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	7/1/97		5		☒
					☐
					☐
					☐
					☐

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: Minnow traps were set along the Seward Highway from mile 99 (Bird Point) to Ingram Creek (mile 77). A copy of the field report from this trapping project is attached. Five juvenile coho salmon were caught in set 1-16 at mile 81.9 (Tables 1 and 2; Figures 2A and 3). The trap was set along a straight stretch of highway where the railroad arcs to the east away from the highway. A slough-like tide gut meanders through the area between the railroad and the highway. The trap was set on the east side of the highway, at the inlet of the culvert through which the tide gut mentioned previously runs. Figures 1A and 2A are anadromous waters catalog maps with minnow trap set locations marked on them.

ALASKA DEPT. OF FISH & GAME
NOV 13 1997
REGION II HABITAT AND RESTORATION DIVISION

Name of Observer (please print): Doug Hill

Date: 11/13/97

Signature: Douglas D Hill

Address: ADF&G 333 Raspberry Rd Anchorage, AK 99518

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 11/96

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

Habitat and Restoration Division

TONY KNOWLES, GOVERNOR

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MEMORANDUM

TO: Ed Weiss
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

FROM: Doug Hill
Fish and Game Technician
Habitat and Restoration Division

DATE: 11/13/97

SUBJECT: Seward Highway minnow trapping--Bird (mile 99) to Ingram Creek (mile 75).

As requested by Lance Trasky, I Sampled water bodies along a portion of the Seward Highway for the presence of juvenile anadromous fish. A total of 32 minnow traps were set at 30 sites between mile 76 and mile 99. Nineteen traps were set on July 1 (Tables 1 and 2; Figures 1, 2, and 3), eleven traps were set on the July 14(Tables 1 and 3; Figures 2 and 3), and two traps were set on July 17 (Table 1 and 3; Figure 2). A total of 36 cohos were captured in six sets at five set sites. Numerous stickleback were caught at twenty-four set sites. Eleven adipose fin-clipped cohos were captured at one location; total from two sets made at the same location on different dates (Table 1).

A breakdown of the coho capture sites follows:

-Two traps, sets 1-14, 1-16 (Tables 1 and 2; Figure 3)), were set at the inlet of a culvert. Two traps, sets 14-10 and 17-1 (Tables 1 and 3; Figure), were set in the culvert. Sets 14-10 and 17-1 were made at the same location on different dates. Eight fin clipped cohos were captured in set 14-10 and nine fin clipped cohos were captured in set 17-1. Cohos were observed prior to setting traps.

-One trap (set 1-12) was set 50' upstream of the culvert inlet. This trap was set in an extremely silty tide gut; no fish were observed prior to making the set.
-One trap (set 1-3) was set in a clear water pond where numerous smolt size jumpers were observed.

Smolt size jumpers were observed, but no anadromous fish were captured, at set sites 1-2, 1-9, 1-10, 1-11, 14-1, 14-2, and 14-9. Also smolt size jumpers have been observed in the vicinity of the sets made west of the Placer River (sets 14-4, 14-5, 14-6, 14-7). No anadromous fish were captured in these sets on this survey.

Set numbers 1-3, 1-12, 1-14, 1-16, 14-10, and 17-1 captured fish in waters not cataloged as anadromous fish habitat. These waters will be nominated for inclusion in the anadromous waters catalog.

An adult/jack (?) jumper, approximately 15-18", was observed at the mile 88.1 pond

Coho captured at the culvert sites may be transitory Turnagain Arm residents.

Four fin clipped cohos were presented to Paul Cyr (Sportfish Division) for shipment to the tag lab in Juneau.

cc: Lance Trasky
Stewart Seaburg

TABLE 1

Seward Highway

Minnow Trap Catch Data

7/1/97 (See Table 2 for set location/milepost and set location description.)

Set #	Time Set	Time Pulled	Set duration	Catch		Coho Length (mm)	Figure
				coho	stickleback		
1-1	0810	1031	2 hr 21 min	0	0	NA	1
1-2	0815	1040	2 hr 25 min	0	6	NA	1
1-3	0820	1050	2 hr 30 min	2	30	146,147	1
1-4	0840	1100	2 hr 20 min	0	3	NA	1
1-5	0910	1108	1 hr 58 min	0	0	NA	1
1-6	0925	1125	2 hr 00 min	0	10	NA	2
1-7	0932	1135	2 hr 02 min	0	1	NA	2
1-8	0936	1140	2 hr 04 min	0	0	NA	2
1-9	0945	1153	2 hr 08 min	0	7	NA	2
1-10	0955	1329	3 hr 34 min	0	2	NA	2
1-11	1005	1333	3 hr 28 min	0	11	NA	2
1-12	1104	1530	3 hr 30 min	7	0	56,66,80,112,114,127,138	1
1-13	1200	1357	2 hr 53 min	0	35	NA	3
1-14	1215	1415	2 hr 00 min	5	10	69,84,89,105,138	3
1-15	1218	1420	2 hr 02 min	0	15	NA	3
1-16	1228	1428	2 hr 00 min	5	15	58,62,64,68,72	3
1-17	1230	1430	2 hr 00 min	0	30	NA	3
1-18	1339	1459	1 hr 20 min	0	25	NA	2
1-19	1420	1452	32 min	0	0	NA	3

7/14/97 (See Table 3 for set location/milepost and set location description.)

Set #	Time Set	Time Pulled	Set Duration	Catch		Coho Length (mm)	
				Coho	stickleback		
14-1	1040	1255	2 hr 15 min	0	80	NA	3
14-2	1045	1258	2 hr 13 min	0	6	NA	3
14-3	1108	1315	2 hr 07 min	0	40	NA	3
14-4	1130	1332	2 hr 02 min	0	0	NA	3
14-5	1135	1335	2 hr 00 min	0	20	NA	3
14-6	1140	1340	2 hr 00 min	0	3	NA	3
14-7	1147	1347	2 hr 00 min	0	3	NA	3
14-8	1226	1423	1 hr 57 min	0	20	NA	2
14-9	1238	1436	1 hr 58 min	0	25	NA	2
14-10	1246	1440	1 hr 54 min	8**	6	100,105,110,111,123,000	2
14-11	1248	1446	1 hr 58 min	0	20	NA	2

7/17/97 (See Table 3 for set location/milepost and set location description.)

Set#	Time Set	Time Pulled	Set Duration	Catch		Coho Length (mm)	
				Coho	stickleback		
17-1	0830	1715	9 hr 45 min	9***	15	NA	2
17-2	0830	1715	9 hr 45 min	0	25	NA	2

**Five fin (adipose clipped) cohos caught in set.

***Six fin (adipose clipped) cohos caught in set.

Table 2
Seward Highway
Minnow Trap Set Location
Site Description/Comments

7\1\97

Set #	Mile	Site Description\Comments
1-1	97.6	Clear water beaver pond at head of silty tide gut; set at NE end.*
1-2	98.1	Clear water pond; set at NE end; numerous juvenile jumpers.*
1-3	98.1	Clear water pond; set at E end; numerous juvenile jumpers.*
1-4	98.6	Clear water pond W of sites 1-2/1-3; Drains through same culvert as set 1-2/1-3 site; set at W end of pond.*
1-5	97.1	Clear water beaver pond (landlocked ?); N side highway.
1-6	90.8	Clear water marsh; set at NE side of railroad/highway intersection.**
1-7	89.5	Clear water marsh\wetland;NE side highway; Glacier Creek watershed.**
1-8	89.5	Clear water ditch on SW side highway; Glacier Creek watershed.***
1-9	88.3	Clear water pond; set at N end of pond; smolt size jumpers in center.**
1-10	87.0	Clear water pond; set at W end of pond; smolt size jumpers on E side.**
1-11	87.0	Clear water pond; set at E end of pond; smolt size jumpers on E side.**
1-12	97.8	Muddy tide gut that drains beaver pond in which set 1-1 was placed; set 50' upstream of culvert inlet.*
1-13	85.0	Clear water pond; set at S end pond.**
1-14	83.2	Clear water pond; N pond of two ponds at mile 83.2; set at culvert inlet.*
1-15	83.2	Semi clear water pond; S pond of two ponds at mile 83.2; set at culvert inlet.*
1-16	81.9	Semi clear water slough; NE side of highway; set at culvert inlet.**
1-17	81.9	Semi Clear water slough; NE side of highway; set 100' above culvert inlet.**
1-18	87.0	Clear water pond; set at culvert inlet.**
1-19	83.2	Semi clear water channel that drains pond in which trap 1-15 was set; set 15' below RR culvert and 25' above highway culvert.**

* -Flows beneath highway and railroad.
** -Flows beneath highway only.
***-Does not flow beneath highway or railroad.

Table 3
Seward Highway
Minnow Trap Set Location
Site Description/comments

7/14/97

Set #	Mile	Site Description/Comments
14-1	85.0	Clear water pond; set at N end of pond; smolt size jumpers.**
14-2	85.0	Clear water pond; set at S end of pond; smolt size jumpers.**
14-3	81.2	Clear water marsh/wetland; NE side of railroad/highway; numerous gulls/terns; Twenty mile River watershed.***
14-4	77.0	Clear water marsh/wetland; S side of highway; Placer River watershed.***
14-5	76.5	Clear water marsh/wetland; S side of highway; Placer River watershed.***
14-6	76.0	Clear water marsh/wetland; S side of highway; Placer River watershed.***
14-7	75.8	Clear water marsh/wetland; S side of highway; Placer River watershed.***
14-8	87.0	Clear water pond; set along N shore.**
14-9	88.3	Clear water pond; set along N shore; smolt size jumpers; adult jumper.**
14-10	88.1	Clear water pond; set in culvert mouth; smolt visible in culvert; smolt size jumpers; adult jumper;.**
14-11	88.1	Clear water pond; set 10' upstream culvert mouth; smolt visible in culvert; smolt size jumpers in pond; adult jumper in pond.**

7/17/97

17-1	88.1	Repeat of set # 14-10.
17-2	88.1	Repeat of set # 14-11.

* -Flows beneath highway and railroad.
** -Flows beneath highway only.
***-Does not flow beneath highway or railroad.

TERIOR
Y

SEWARD (D-7) QUADRANGL
ALASKA
1:63360 SERIES (TOPOGRAPHIC)

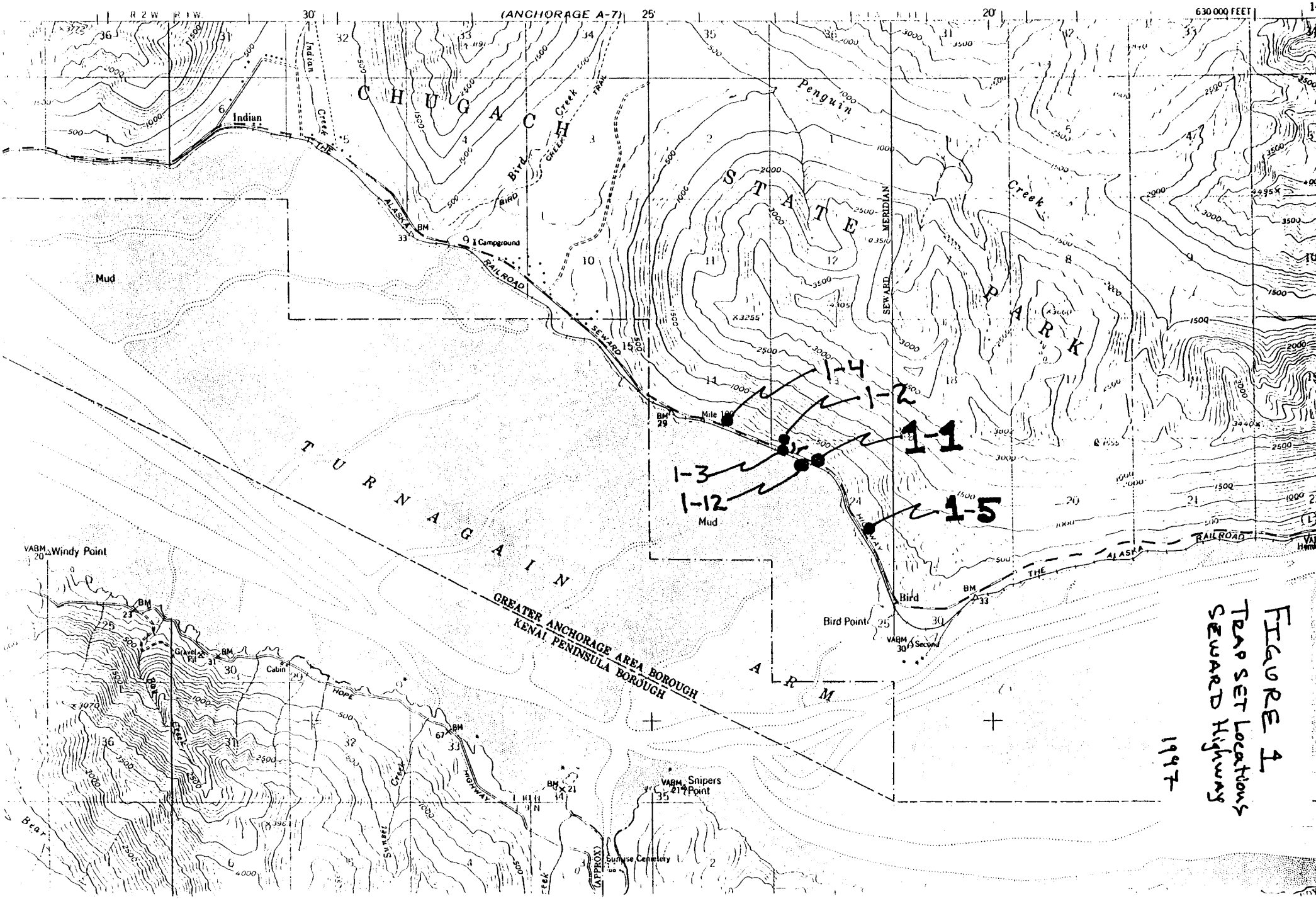

FIGURE 1
TRAP SET LOCATIONS
SEWARD HIGHWAY
1997

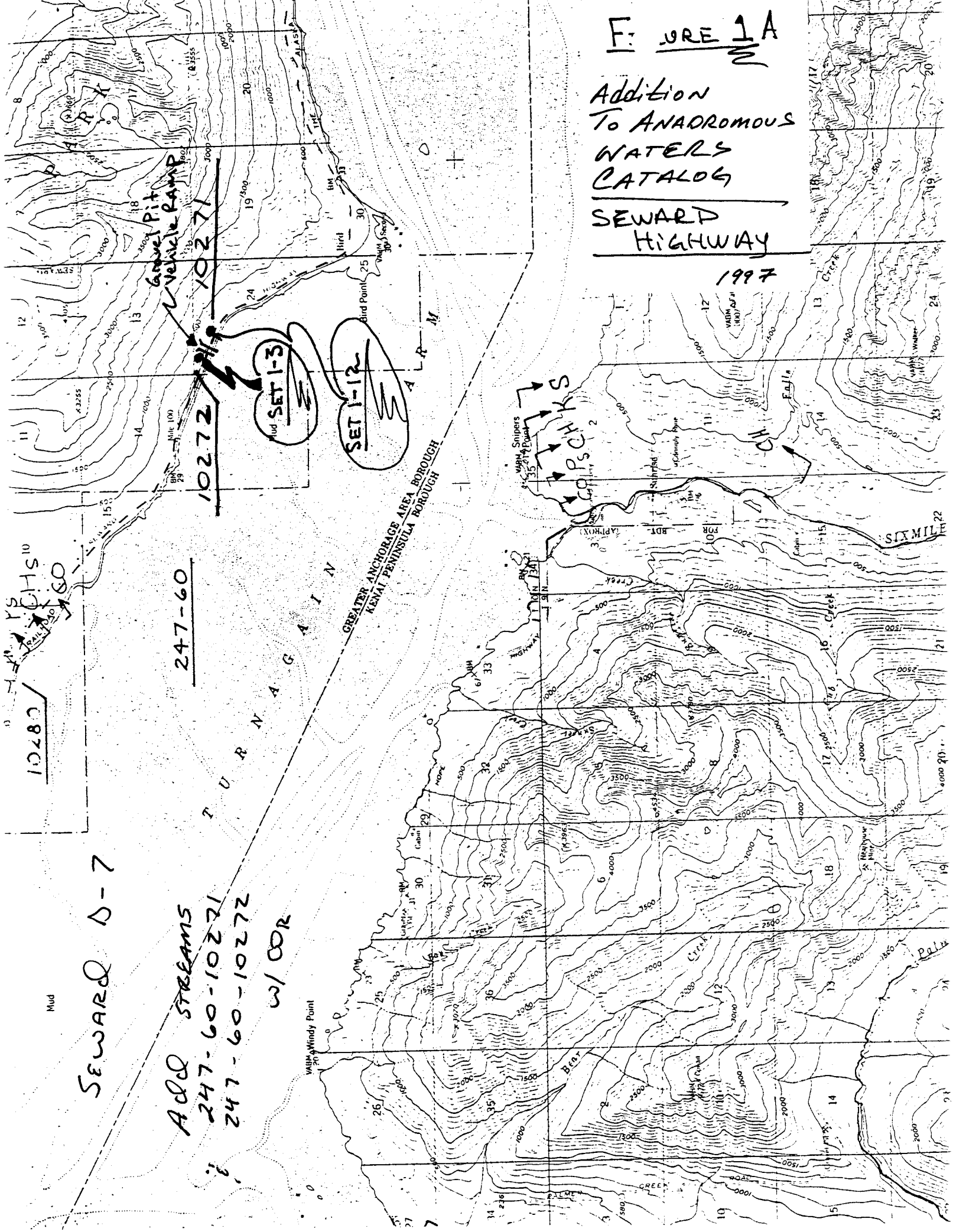

FIGURE 1A
Addition
To ANADROMOUS
WATERS
CATALOG
SEWARD
HIGHWAY
1997
Gravel Pit
Vehicle Ramp
10271
10272
SET 1-3
SET 1-12
247-60
10280
CHS
CO
TURNAGAIN
GREATER ANCHORAGE AREA BOROUGH
KENAI PENINSULA BOROUGH
SEWARD D-7
ADD STREAMS
247-60-10271
247-60-10272
W/ OOR
Windy Point
Snipers Point
Bird Point
SIX MILE

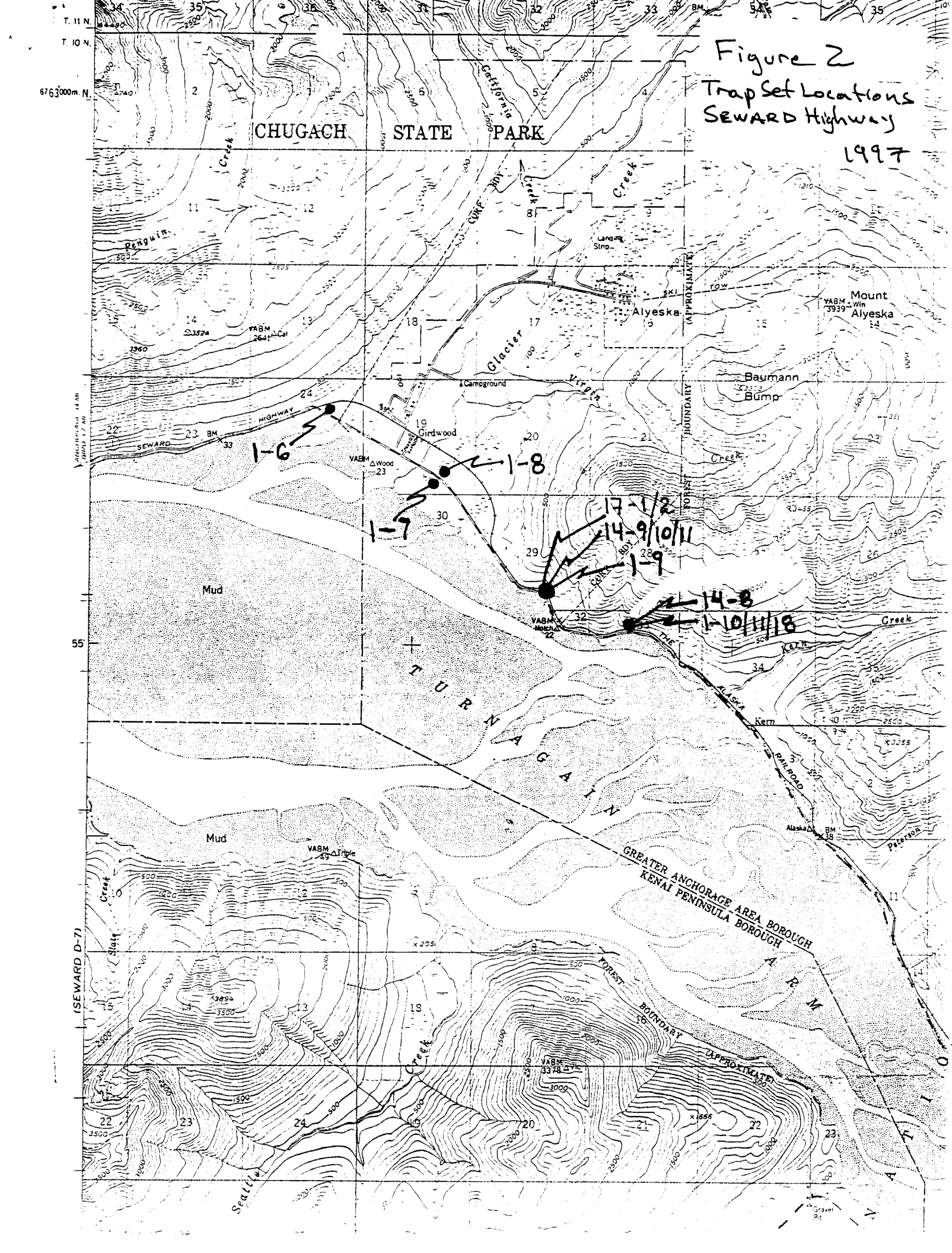

Figure 2
Trap Set Locations
SEWARD Highway
1997
CHUGACH STATE PARK
T. 11 N.
T. 10 N.
6763000m. N.
Penguin Creek
California Creek
Creek
Landing Strip
Alyeska
Mount Alyeska
Glacier
Virgin
Campground
Girdwood
Baumann Bump
SEWARD HIGHWAY
FOREST BOUNDARY (APPROXIMATE)
Mud
TURNAGAIN
THE ALASKA RAILROAD
Kern
Kern Creek
Alaska
Peterson
GREATER ANCHORAGE AREA BOROUGH
KENAI PENINSULA BOROUGH
ARM
Seattle Creek
(SEWARD D-7)
Gravel Pit
1-6
1-8
1-7
17-1/2
14-9/10/11
1-9
14-8
1-10/11/18

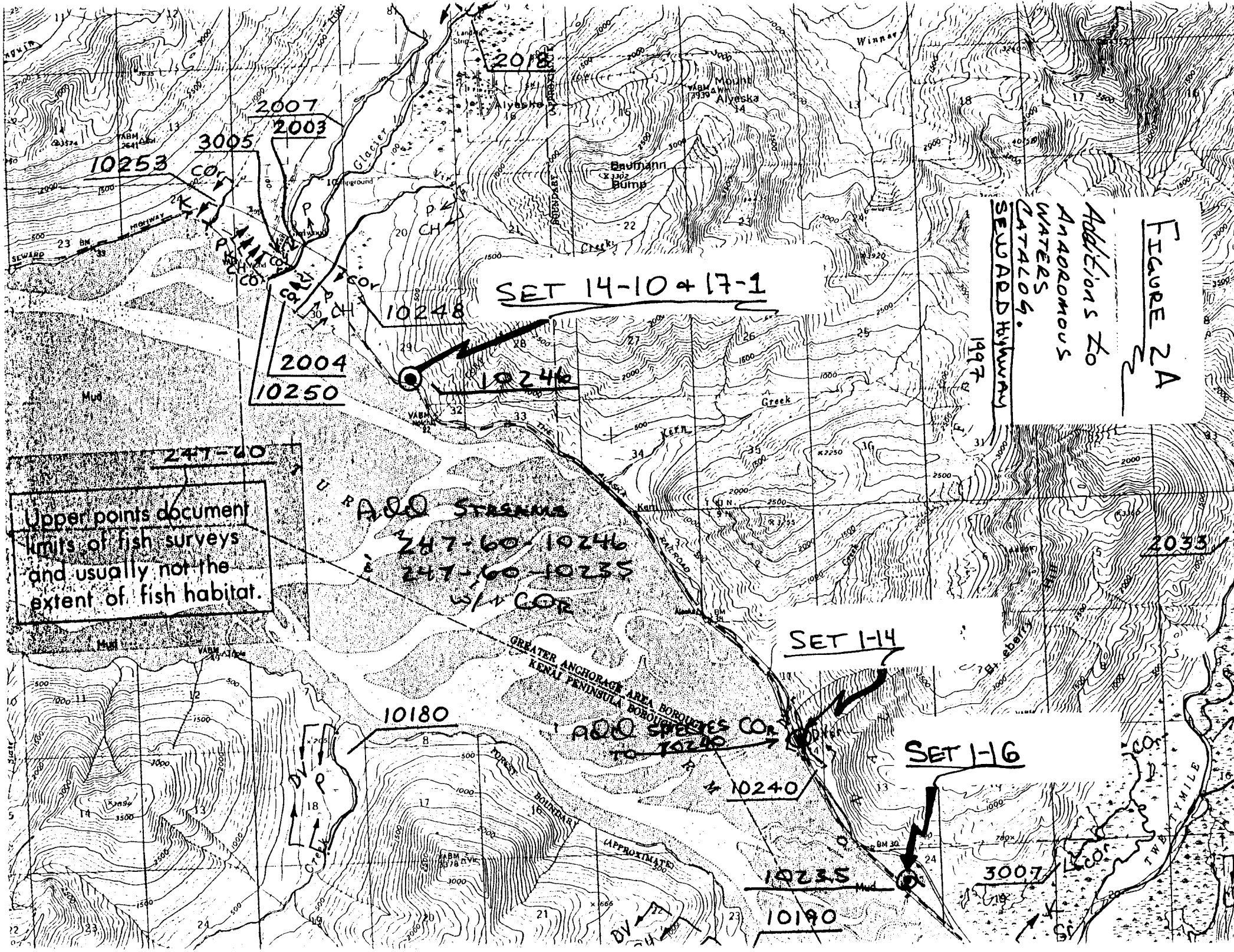

FIGURE 2A
Additions to
Anadromous
Waters
Catalog.
Seward Highway
1997
SET 14-10 & 17-1
SET 1-14
SET 1-16
2018
2007
2003
3005
10253
10248
2004
10250
10246
247-60
Upper points document limits of fish surveys and usually not the extent of fish habitat.
ADD STREAMS
247-60-10246
247-60-10235
w/ COR
ADD SPECIES COR
TO 10240
10240
10180
10235
10190
3007
2033
GREATER ANCHORAGE AREA BOROUGH
KENAI PENINSULA BOROUGH
Mount Alyeska
Beumann Bump
Glacier
Kern Creek
Forest Boundary (Approximate)
Twentymile

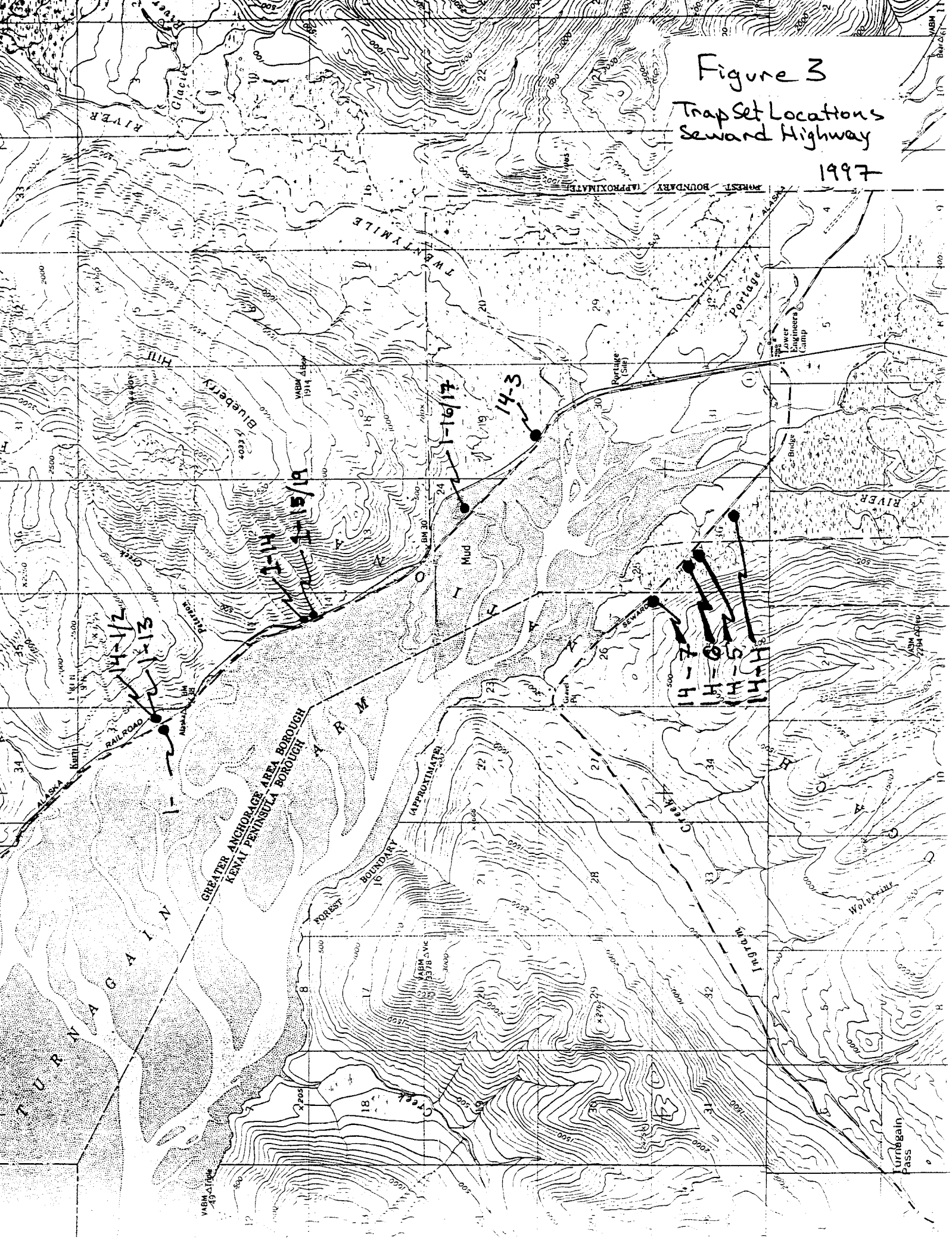

Figure 3
Trap Set Locations
Seward Highway
1997
14-3
1-16/17
1-15/19
1-14
14-1/2
1-13
1-
14-7
14-8
14-5
14-4
TWENTYMILE
RIVER
Glacier
Blueberry Hill
Portage
Portage (Site)
Lower Engineers Camp
Bridge
Mud
SEWARD
Gravel Pit
ALASKA RAILROAD
Kern
Peterson Creek
GREATER ANCHORAGE AREA BOROUGH
KENAI PENINSULA BOROUGH
FOREST BOUNDARY (APPROXIMATE)
Ingram Creek
Wolverine
Turnagain Pass
TURNAGAIN ARM