



State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination Form
Anadromous Waters Catalog

M

Region Southcentral

USGS Quad(s) Anchorage A-8 SE

Anadromous Waters Catalog Number of Waterway 247-60-10320-2012-3020

Name of Waterway unnamed stream

USGS Name Local Name

Addition Deletion Correction Backup Information (247-60-1320-2012 also)

For Office Use

Nomination #	<u>11-197</u>	<u>[Signature]</u>	<u>10/14/11</u>
Revision Year:	<u>2012</u>	Fisheries Scientist	Date
Revision to:	Atlas <input type="checkbox"/> Catalog <input type="checkbox"/>	<u>[Signature]</u>	<u>10/14/11</u>
	Both <input checked="" type="checkbox"/>	Habitat Operations Manager	Date
Revision Code:	<u>A-2, DL</u>	<u>[Signature]</u>	<u>10/3/11</u>
		AWC Project Biologist	Date
		<u>[Signature]</u>	<u>11/1/11</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho	10/15-30/2010	30			<input checked="" type="checkbox"/>
coho	5/1/2010 - 11/1/2010		>100		<input checked="" type="checkbox"/>
Dolly Varden	5/1/2010 - 11/1/2010			~5	<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

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: see comments on Earth Map image
All sampling was foot surveys in clear water
conditions. Observations here daily mid to late
October for spawning. Observer has 30 years
experience as professional fish biologist.

100 new stream
with accompanying
spawning
present

Name of Observer (please print): Rod Simmons
 Signature: [Signature] Date: 12/27/10
 Agency: In submitting this as a state resident (I work for agency)
 Address: 16100 Terracewood Lane
Anchorage, AK 99516 Phone: 336-1750

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 Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____ Revision

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

1987
 Year of Revision
 87-001

Anadromous Water Catalog Volume South Central
 USGS Quad (58) Anchorage A-B
 Name of Waterway Little Survival Creek
 Anadromous Water Catalog Number of Waterway 247-60-10316 and 2011

Change to _____ Atlas
 _____ Catalog
X Both

Addition X

Deletion _____

Correction _____

Name addition:

USGS name Little Survival Creek

Local name _____

For Office Use

Nomination # _____
Carl Yandrew 10/28/86
 Regional Supervisor Date
AKSR 10/31/86

F1 10/29
 Drafted Date

Species	Date(s) Observed	Spawning	Rearing	Migration
<u>CO</u>	<u>Oct 16, 1986</u>		<u>X</u>	
<u>King Salmon</u>	<u>Oct 16, 1986</u>		<u>X</u>	

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

See attached Report by Jim Mauney ADF&G Sport Fish Division.
Coho Salmon and King Salmon caught in baited minnow traps.

Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

Name of Observer (please print) Jim Mauney

Date: 10/27/86 Signature: _____

Address: ADF&G Sport Fish Division

Anchorage

Signature of Area Biologist: Kevin Delaney

J. J. M.

"SURVIVAL CREEK" Minnow Trap Catches, Oct. 15-16, 1986

Twenty minnow traps were set in Survival Creek and its drainage system into southeastern Potter Marsh the afternoon of October 15. All traps were baited with preserved salmon eggs. Traps were pulled the afternoon of October 16. Water levels were very high. See Table 1 for catches.

Fourteen juvenile king salmon were taken. All were from traps set in the upper culvert area. These juveniles were healthy in appearance and ranged from 58-98 mm fl.

Twelve juvenile coho salmon were taken. All except one were taken in traps set in the upper culvert area. A single specimen was taken in trap #17 set in the lower culvert area. This latter juvenile was dead in the trap at checking. Coho taken ranged from 55-155 mm fl and appeared very robust and healthy.

Approximately 1,151 stickleback were taken in sets. Total length range was 40-70 mm. Numerous water beetles were taken through the trap area (from 1 or 2 to 10 per trap). Amphipods were noted in some trap catches.

Juvenile salmon seemed to be taken in those sets in which a definite water flow was noted. It is not believed that juveniles occur above the first falls-rapid area. The upper culvert area would appear to be the primary entrance for most tributary water in this area into Potter Marsh. A definite current was noted and a channel likely exists at

times of low flow into the open waters of the marsh. In times of low water flow it is doubtful that there is an open water connection between the lower culvert discharge and open water of the marsh. The marsh is much more solid and extensive in this area.

Survival Creek is not believed to be utilized for spawning but for rearing only.

cc: Delaney

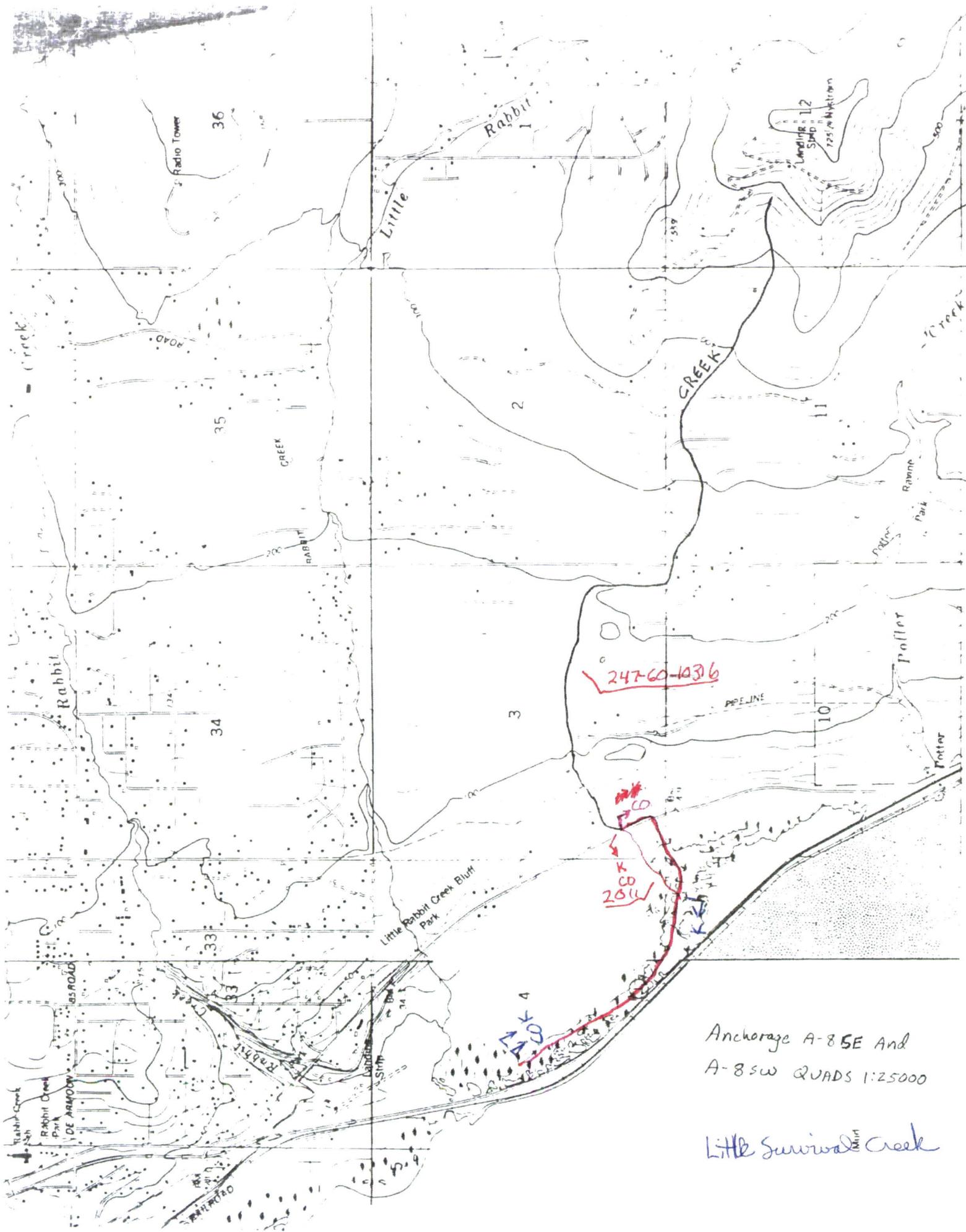
Estes

Hepler

Table 1. Survival Creek Minnow Trap Catches, October 15-16, 1986.

Trap #	Time Set	Time Pulled	Species			
			King	Coho	Stickleback*	Other
1	1700	1400	0	0	0	Water beetles
2	1705	1410	0	0	0	
3	1710	1420	7	3	90	
4	1715	1430	0	0	20	
5	1720	1440	3	0	60	Water beetles
6	1725	1450	2	0	50	Water beetles
7	1730	1500	2	8	20	
8	1735	1510	0	0	0	
9	1740	1520	0	0	50	Water beetles
10	1745	1530	0	0	2	
11	1750	1540	0	0	24	
12	1755	1550	0	0	40	
13	1800	1600	0	0	60	
14	1805	1610	0	0	125	Water beetles
15	1810	1620	0	0	100	
16	1815	1630	0	0	200	
17	1820	1640	0	1	100	Water beetles
18	1825	1650	0	0	50	& Amphipods
19	1830	1700	0	0	100	
20	1835	1710	0	0	60	Amphipods
Total			14	12	1,151	

* Approximate numbers.



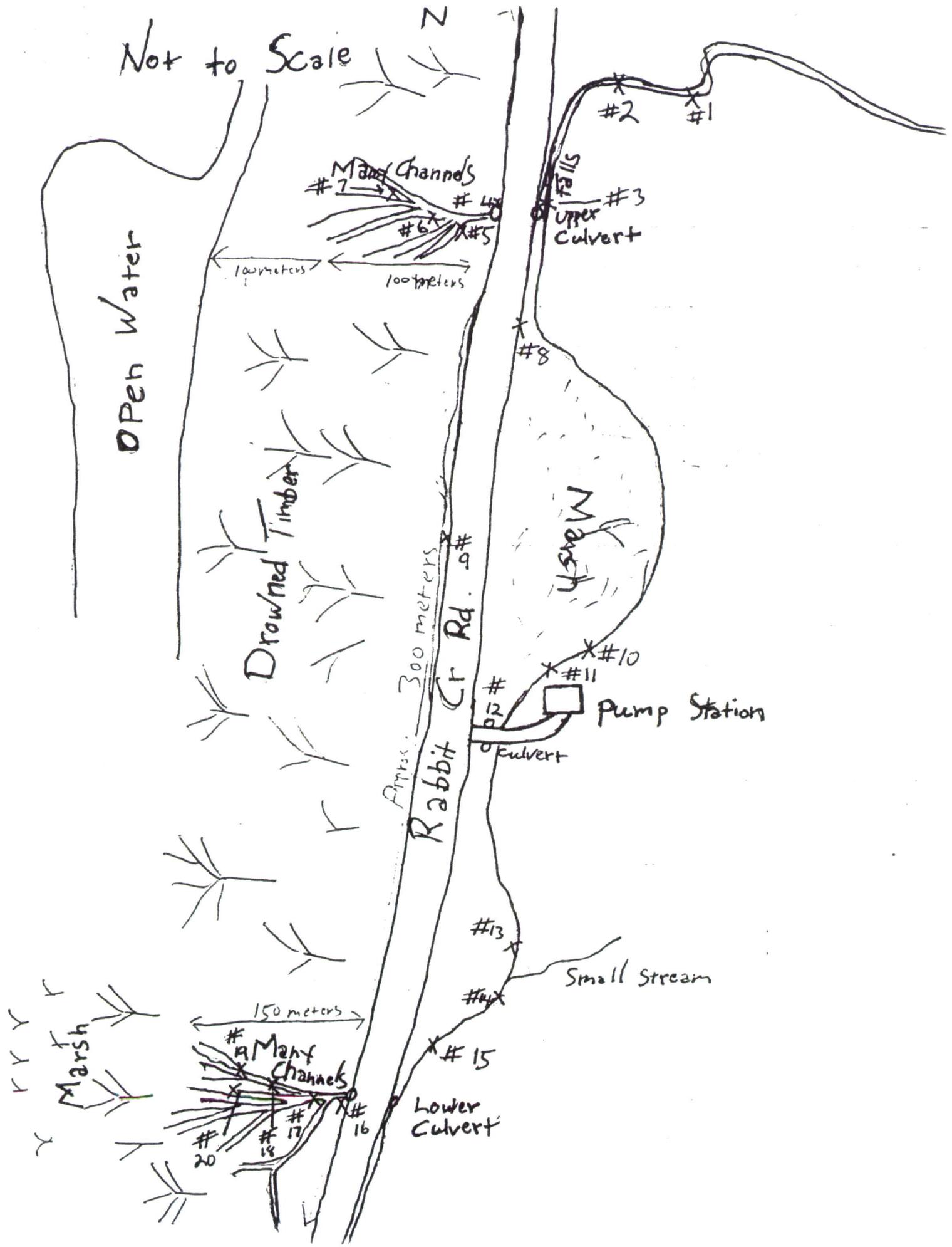
Anchorage A-8 SE And
A-8 SW QUADS 1:25000

Little Survival Creek



Not to Scale

N



Open Water

Drowned Timber

Marsh

Rabbit Cr Rd.
Approx. 300 meters

Many Channels

100 meters

100 meters

Falls

Upper Culvert

Pump Station

Culvert

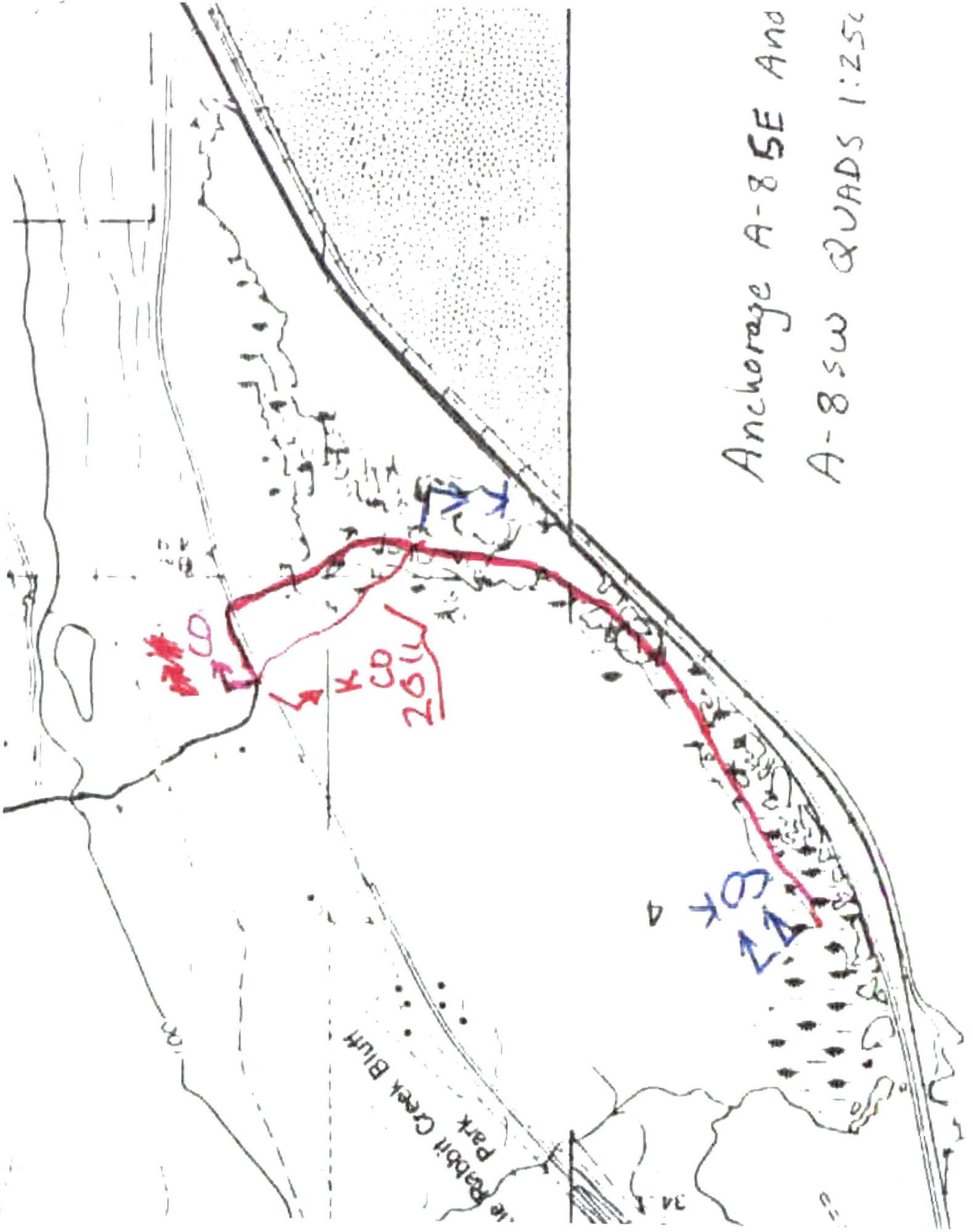
Small Stream

150 meters

Many Channels

Lower Culvert

Marsh



Anchorage A-8 SE And
A-8 SW QUADS 1:250



Red line drawn parallel to Old Seward Hwy (OSH) depicts primary stream flow and migration course adult coho salmon use to reach spawning areas. Stream gradient, low flow, and suitable spawning substrate defines upstream migration limit. (Blue line on map may provide migration route during different hydrologic stages). Adult coho salmon spawning, shown as white polygons, were observed from daily walks during mid to late October 2010. Adults staged 7-10 days before spawning, mostly at pump house spawning area, but most eventually moved to upstream spawning reach. The area between the two spawning areas is a marsh with ill-defined stream channel. Juvenile coho salmon and resident Dolly Varden (large size retain parr marks) are common along entire redline length throughout the open water season. Water in this area is generally clear, making accurate salmonid identification reliable.

The 2 culvert crossings along the red line should be the primary focus of any culvert or road maintenance since this is the primary salmon migration pathway. A low beaver dam on the Potter Marsh side of the primary culvert crossing on the OSH helps maintain water depth upstream and does not impede upstream adult salmon passage.

Bald eagles, ravens, and magpies were seen daily scavenging post-spawners.

southern
crossing

61.059 33
-149.79611

Northern
X-ing

61.06276
-149.79773





Close up of the two documented spawning areas represented as polygons. Area between polygons is a marsh with ill-defined stream channel.



Coho salmon spawning at upstream limit location along Old Seward Highway, last week of October 2010. Gradient increases considerably above this point and lacks suitable spawning substrate material. Eagles and ravens quickly scavenged carcasses in early November.

Johnson, J D (DFG)

From: Rod Simmons [aktishrod@gmail.com]
Sent: Wednesday, March 23, 2011 2:40 PM
To: Johnson, J D (DFG)
Subject: AWC nomination
Attachments: AWCApplication.pdf; OldSeward_cohomigration_spawning.doc

Dear Mr. Johnson,
attached you will find my application for an update to the State's Anadromous Waters Catalog. I live in south Anchorage behind Potter Marsh and routinely walk the Old Seward Highway daily. I find it quite enjoyable to see spawning coho salmon in the fall utilize a very small unnamed stream that parallels the OSH. I accessed the ADFG website to see if the spawning area and migration route was properly cataloged and found some discrepancies. The documentation I am providing you should adequately identify areas of coho salmon spawning I observed in the fall of 2010 and the migration route they are actively using.

I have nearly 30 years of experience as a professional fishery biologist and believe I have adequate credentials to make proper species identification and spawning behavior which I have also photo documented.

I would very much like to see these waters in the AWC updated and they will hopefully be afforded some habitat protection. I believe the most likely threat to these waters may be from possible DOT road maintenance activities. The OSH is in fairly serious state of disrepair and DOT routinely has to perform maintenance on it. Some day the OSH may get a major upgrade where habitat protection measures will be of utmost importance. I would be very disappointed to see this small population detrimentally impacted. After all, this is one of the reasons that makes Alaska the special place that it is.

Should you have any additional question for me. Please feel free to contact me. Thanks

Rod Simmons
336-1750 (home #)

Station
247-60-10320-2012
2012 red banner
CCP
CCP
CCP

247-60-10320-2012

CCP

247-60-10320-2012-3020

CCP

CCP

CCP

Add new station

247-60-10320-2012-3020

at coko saken peranti, spawning or rearing