

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 \_\_\_\_\_

For Office Use

Nomination # _____	
<u>Carl Yandrew</u>	<u>10/28/86</u>
Regional Supervisor	Date
<u>OK SR</u>	<u>10/31/86</u>
<u>FI</u>	<u>10/29</u>
Drafted	Date

Name addition:  
 USGS name Little Survival Creek  
 Local name \_\_\_\_\_

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

*JGM*

"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 & Amphipods
18	1825	1650	0	0	50	
19	1830	1700	0	0	100	
20	1835	1710	0	0	60	Amphipods
Total			14	12	1,151	

\* Approximate numbers.

Not to Scale

N

Open Water

Many Channels

100 meters

100 meters

Drowned Timber

Approx. 300 meters

Rabbit Cr Rd.

Falls

Upper Culvert

Pump Station

Culvert

Small Stream

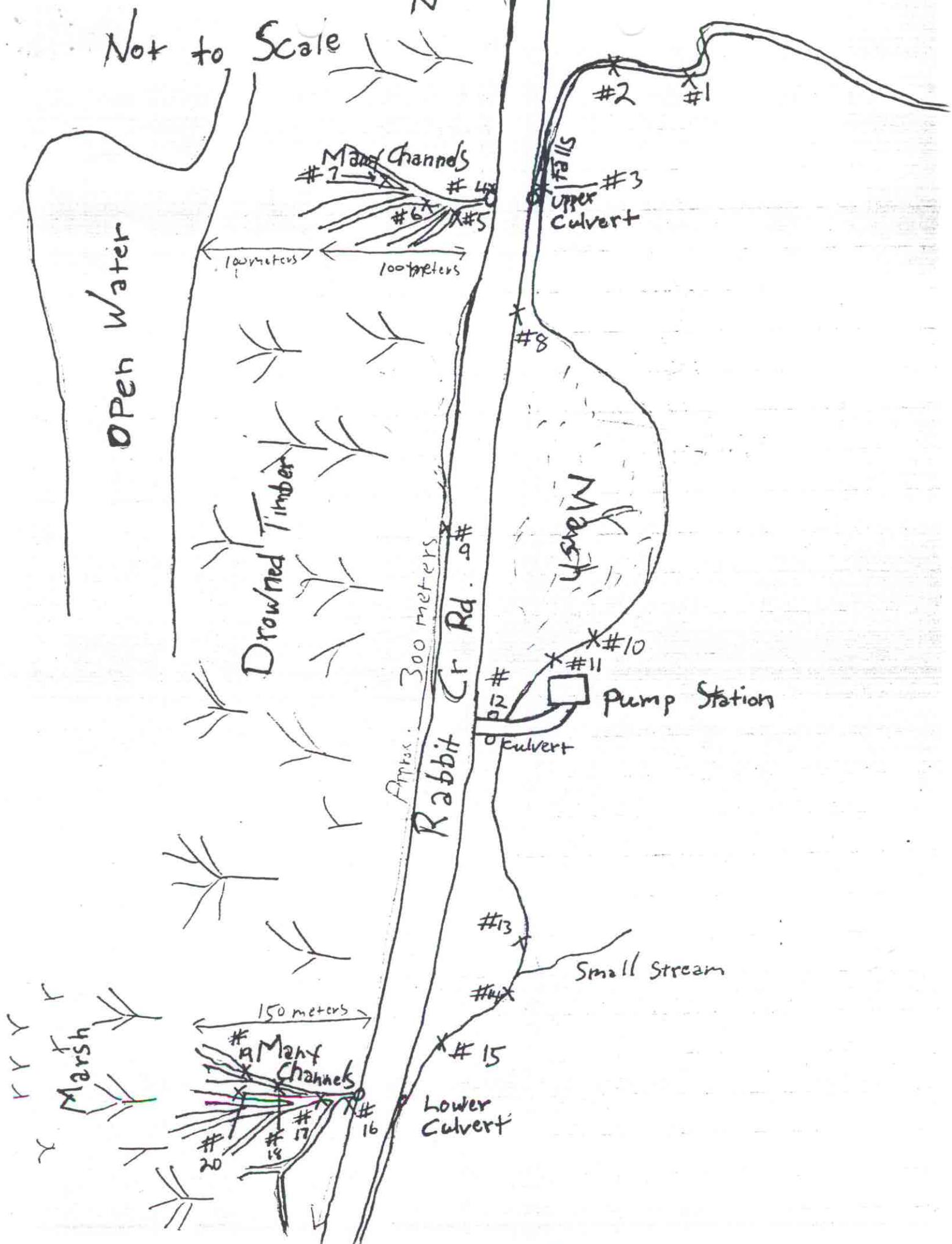
150 meters

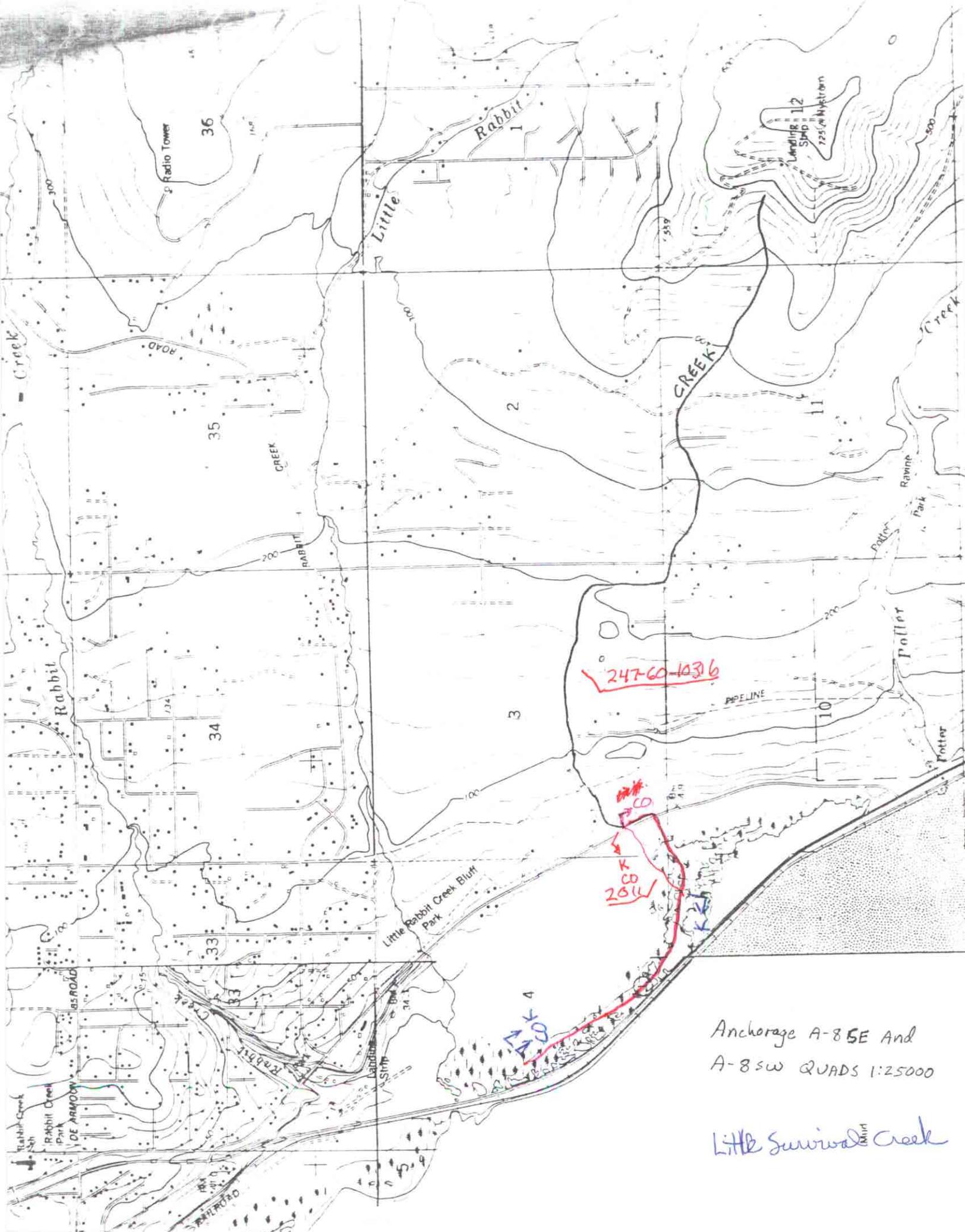
Many Channels

Lower Culvert

Marsh

Marsh





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

Little Survival Creek