State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database

ALASKA DEPT. OF FISH & GAME
MAY 17 2007

Region: SCN

USGS Quad(s): ANCHORAGE B-8

Fish Distribution Database Number of Waterway: Sixmile Lake

Name of Waterway: 247-50-10090-0010

☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☑ Backup Information

For Office Use

Nomination #	07-181	ADF&G Fisheries Scientist	Date 11/2/07
Revision Year:	2008	ADNR OHMP Operations Mgr.	Date 11/2/07
Revision to:	Atlas ____ Catalog ____ Both X	FDD Project Biologist	Date 5/21/07
Revision Code:	B-1, B-2	Cartographer	Date 11/8/7

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Sockeye salmon	May/June 2003-2006		✓		☑
Coho salmon	May/June 2003-2006		✓		☑
Chinook salmon	May/June 2003-2005		✓		☑
					☐
					☐

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: Add sockeye, coho, and chinook salmon rearing to 247-50-10090-0010 based on salmon smolt outmigration observed at Sixmile Lake weir (Fish Resource Report #SF-2006-027)

Weir data forms from years 2003-2006 are attached.

Add Sockeye salmon rearing to 247-50-10090-0010
Add Chinook salmon rearing to 247-50-10090-0010

Name of Observer (please print): Mary Weger
Signature: Mary Weger
Date: 05/16/2007
Agency: DAF 3 CES/CEVP
Address: 6326 Arctic Warrior Drive
Elemendorf AFB, AK 99506-3240

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 Fish Distribution Database.

Signature of Area Biologist: _____ Date: _____
Name of Area Biologist (please print):

Revision 02/05

SIXMILE LAKE - SALMON OUTMIGRATION LOG
2006

	DATE	Daily SOCKEYE	Cum SOCKEYE	Daily COHO	Cum COHO	Daily KINGS	Cum KINGS	Daily Rnbw Trout	Cum Rnbw Trout	COMMENTS
1	12-May-06	0	0	0	0	0	0	2	2	Weir installed & opened 10 May 06 @ 1700
2	13-May-06	0	0	0	0	0	0	0	2	
3	14-May-06	4	4	0	0	0	0	1	3	1 frog; 4 dead sockeye smolt
4	15-May-06	1	5	0	0	0	0	3	6	1 dead sockeye; flow to box stopped, upstream gate blocked w/debris
5	16-May-06	2	7	0	0	0	0	0	6	
6	17-May-06	1	8	0	0	0	0	1	7	1 dead 8cm sockeye smolt
7	18-May-06	0	8	0	0	0	0	1	8	
8	19-May-06	13	21	0	0	0	0	9	17	3 dead sockeye smolt
9	20-May-06	44	65	0	0	0	0	8	25	
10	21-May-06	118	183	1	1	0	0	2	27	Beaver in weir area
11	22-May-06	181	364	9	10	0	0	0	27	3 dead 3-4cm sockeye smolt found while cleaning debris
12	23-May-06	637	1001	24	34	0	0	3	30	Beaver nearby; cleared debris
13	24-May-06	1725	2726	24	58	0	0	1	31	7 smolt taken from interior enclosure; 1 dead sockeye smolt
14	25-May-06	986	3712	19	77	0	0	0	31	
15	26-May-06	1919	5631	48	125	0	0	1	32	1 dead sockeye fry & 7 dead smolt
16	27-May-06	1897	7528	19	144	0	0	5	37	
17	28-May-06	229	7757	7	151	0	0	0	37	Complete water shut off; 5 trout (12") returned to lake
18	29-May-06	1424	9181	9	160	0	0	1	38	Mallard released from front
19	30-May-06	1316	10497	9	169	0	0	3	41	5 dead sockeye; 6 dead coho
20	31-May-06	781	11278	3	172	0	0	1	42	
21	1-Jun-06	836	12114	1	173	0	0	0	42	
22	2-Jun-06	882	12996	3	176	0	0	0	42	
23	3-Jun-06	418	13414	1	177	0	0	2	44	
24	4-Jun-06	90	13504	0	177	0	0	0	44	Complete water shut off; 2 dead fry
25	5-Jun-06	254	13758	2	179	0	0	0	44	
26	6-Jun-06	350	14108	2	181	0	0	0	44	1 dead coho
27	7-Jun-06	107	14215	1	182	0	0	0	44	1 dead coho
28	8-Jun-06	114	14329	0	182	0	0	0	44	Cleaned weir
29	9-Jun-06	65	14394	0	182	0	0	0	44	
30	10-Jun-06	174	14568	0	182	0	0	0	44	1 dead sockeye
31	11-Jun-06	29	14597	1	183	0	0	0	44	
32	12-Jun-06	62	14659	5	188	0	0	0	44	Debris blocked flow-cleared
33	13-Jun-06	148	14807	0	188	0	0	0	44	Beaver activity
34	14-Jun-06	223	15030	1	189	0	0	1	45	3 dead sockeye smolt
35	15-Jun-06	230	15260	0	189	0	0	0	45	
36	16-Jun-06	113	15373	1	190	0	0	0	45	
37	17-Jun-06	596	15969	13	203	0	0	0	45	3 dead sockeye smolt
38	18-Jun-06	188	16157	1	204	0	0	0	45	1 dead sockeye; cleaned weir
39	19-Jun-06	30	16187	0	204	0	0	0	45	Repaired hole in V-panel (due to otter?)
40	20-Jun-06	72	16259	0	204	0	0	0	45	Cleared beaver debris
41	21-Jun-06	53	16312	0	204	0	0	1	46	
42	22-Jun-06	14	16326	0	204	0	0	0	46	
43	23-Jun-06	12	16338	0	204	0	0	0	46	1 fat wood frog tádpole in box
44	24-Jun-06	73	16411	0	204	0	0	0	46	Cleared beaver debris; debris completely blocked flow
45	25-Jun-06	16	16427	0	204	0	0	0	46	Cleared beaver debris
46	26-Jun-06	188	16615	0	204	0	0	0	46	1 dead medium size trout
47	27-Jun-06	80	16695	0	204	0	0	0	46	
48	28-Jun-06	129	16824	0	204	0	0	0	46	
49	29-Jun-06	297	17121	0	204	0	0	0	46	
50	30-Jun-06	100	17221	0	204	0	0	0	46	
	WEIR REMOVED 30 JUNE 2006 AT 0935									

SIXMILE LAKE - SALMON OUTMIGRATION LOG
2005

	DATE	Daily SOCKEYE	Cum SOCKEYE	Daily COHO	Cum COHO	Daily KINGS	Cum KINGS	Daily Rnbw Trout	Cum Rnbw Trout	COMMENTS
1	20-May-05	92	92	1	1	0	0	0	0	
2	21-May-05	121	213	3	4	0	0	0	0	Floats came off
3	22-May-05	30	243	5	9	0	0	0	0	
4	23-May-05	15	258	0	9	0	0	0	0	
5	24-May-05	155	413	47	56	0	0	1	1	Vent hose torn off
6	25-May-05	312	725	39	95	0	0	1	2	
7	26-May-05	309	1034	16	111	0	0	0	2	
8	27-May-05	229	1263	7	118	0	0	0	2	
9	28-May-05	365	1628	5	123	0	0	3	5	
10	29-May-05	125	1753	0	123	0	0	1	6	
11	30-May-05	20	1773	7	130	0	0	2	8	
12	31-May-05	595	2368	17	147	0	0	0	8	
13	1-Jun-05	447	2815	51	198	0	0	0	8	
14	2-Jun-05	961	3776	59	257	0	0	1	9	
15	3-Jun-05	660	4436	1	258	0	0	3	12	
16	4-Jun-05	600	5036	16	274	0	0	1	13	
17	5-Jun-05	608	5644	7	281	0	0	0	13	
18	6-Jun-05	265	5909	15	296	0	0	0	13	
19	7-Jun-05	96	6005	6	302	0	0	2	15	
20	8-Jun-05	234	6239	4	306	0	0	0	15	
21	9-Jun-05	274	6513	5	311	0	0	0	15	
22	10-Jun-05	129	6642	4	315	0	0	0	15	
23	11-Jun-05	143	6785	8	323	0	0	0	15	
24	12-Jun-05	144	6929	3	326	0	0	0	15	
25	13-Jun-05	134	7063	2	328	0	0	0	15	
26	14-Jun-05	132	7195	5	333	0	0	0	15	
27	15-Jun-05	344	7539	4	337	0	0	1	16	
28	16-Jun-05	190	7729	28	365	0	0	4	20	
29	17-Jun-05	161	7890	3	368	0	0	2	22	
30	18-Jun-05	118	8008	6	374	0	0	2	24	
31	19-Jun-05	366	8374	8	382	1	1	0	24	
32	20-Jun-05	88	8462	2	384	0	1	0	24	
33	21-Jun-05	122	8584	4	388	0	1	0	24	
34	22-Jun-05	213	8797	1	389	0	1	0	24	
35	23-Jun-05	62	8859	0	389	0	1	0	24	Cleaned thoroughly
36	24-Jun-05	27	8886	1	390	0	1	0	24	Cleaned thoroughly
37	25-Jun-05	308	9194	1	391	0	1	0	24	
38	26-Jun-05	218	9412	1	392	0	1	0	24	
39	27-Jun-05	88	9500	1	393	0	1	0	24	
40	28-Jun-05	20	9520	0	393	0	1	0	24	
41	29-Jun-05	27	9547	0	393	0	1	0	24	Cleaned area up
42	30-Jun-05	28	9575	0	393	0	1	0	24	

SIXMILE LAKE - SALMON OUTMIGRATION LOG
2004

	DATE	Daily SOCKEYE	Cum SOCKEYE	Daily COHO	Cum COHO	Daily KINGS	Cum KINGS	Daily Rnbw Trout	Cum Rnbw Trout	COMMENTS
1	15-May-04	4	4	0	0	0	0	0	0	
2	16-May-04	2	6	0	0	0	0	1	1	Four inch hole in net at waterline near entrance tube repaired (suspected otter)
3	17-May-04	126	132	0	0	0	0	0	1	Four inch hole in net at waterline near entrance tube repaired again (suspected otter)
4	18-May-04	7	139	0	0	0	0	1	2	Four inch hole in net at waterline near entrance tube repaired again (suspected otter) - covered area with wire mesh to prevent reoccurrence
5	19-May-04	402	541	0	0	4	4	0	2	
6	20-May-04	407	948	0	0	14	18	0	2	
7	21-May-04	185	1133	0	0	8	26	2	4	
8	22-May-04	464	1597	4	4	1	27	0	4	
9	23-May-04	146	1743	0	4	2	29	1	5	
10	24-May-04	325	2068	0	4	10	39	0	5	
11	25-May-04	319	2387	0	4	1	40	3	8	
12	26-May-04	616	3003	0	4	7	47	0	8	
13	27-May-04	266	3269	0	4	3	50	0	8	
14	28-May-04	714	3983	0	4	0	50	1	9	
15	29-May-04	63	4046	1	5	0	50	2	11	
16	30-May-04	693	4739	14	19	0	50	1	12	
17	31-May-04	172	4911	1	20	0	50	0	12	
18	1-Jun-04	74	4985	0	20	0	50	0	12	
19	2-Jun-04	41	5026	0	20	0	50	0	12	
20	3-Jun-04	394	5420	0	20	2	52	0	12	
21	4-Jun-04	92	5512	0	20	0	52	0	12	
22	5-Jun-04	13	5525	0	20	0	52	0	12	
23	6-Jun-04	140	5665	0	20	0	52	1	13	
24	7-Jun-04	37	5702	0	20	0	52	0	13	
25	8-Jun-04	25	5727	0	20	0	52	0	13	
26	9-Jun-04	47	5774	1	21	0	52	0	13	Debris blocking upstream gate
27	10-Jun-04	22	5796	0	21	0	52	0	13	Debris blocking upstream gate
28	11-Jun-04	0	5796	0	21	0	52	0	13	
29	12-Jun-04	58	5854	0	21	0	52	0	13	
30	13-Jun-04	7	5861	1	22	0	52	0	13	
31	14-Jun-04	26	5887	0	22	0	52	0	13	
32	15-Jun-04	18	5905	0	22	0	52	0	13	
33	16-Jun-04	11	5916	0	22	1	53	0	13	
34	17-Jun-04	2	5918	0	22	2	55	0	13	
35	18-Jun-04	12	5930	0	22	0	55	0	13	
36	19-Jun-04	17	5947	0	22	0	55	1	14	Lots of sticklebacks
37	20-Jun-04	16	5963	0	22	0	55	0	14	Lots of sticklebacks
38	21-Jun-04	5	5968	1	23	0	55	0	14	Lots of sticklebacks
39	22-Jun-04	1	5969	0	23	0	55	0	14	
40	23-Jun-04	35	6004	0	23	0	55	1	15	

SIXMILE LAKE - SALMON OUTMIGRATION LOG
2003

	DATE	Daily SOCKEYE	Cum SOCKEYE	Daily COHO	Cum COHO	Daily KINGS	Cum KINGS	Other SPP	COMMENTS
1	14-May-03	0	0	1	1	0	0		
2	15-May-03	0	0	2	3	0	0		
3	16-May-03	21	21	2	5	0	0		
4	17-May-03	1	22	0	5	0	0		
5	18-May-03	21	43	0	5	0	0		
6	19-May-03	8	51	0	5	0	0		
7	20-May-03	165	216	0	5	0	0		
8	21-May-03	220	436	24	29	0	0		
9	22-May-03	815	1251	13	42	0	0		
10	23-May-03	1383	2634	0	42	0	0		
11	24-May-03	740	3374	0	42	0	0		
12	25-May-03	864	4238	0	42	0	0		
13	26-May-03	460	4698	0	42	0	0		
14	27-May-03	731	5429	0	42	0	0		
15	28-May-03	445	5874	0	42	5	5		
16	29-May-03	673	6547	0	42	0	5		
17	30-May-03	275	6822	1	43	0	5		
18	31-May-03	1047	7869	0	43	0	5		
19	1-Jun-03	506	8375	0	43	0	5		
20	2-Jun-03	688	9063	0	43	0	5		
21	3-Jun-03	521	9584	0	43	1	6		
22	4-Jun-03	128	9712	0	43	0	6		
23	5-Jun-03	384	10096	1	44	0	6		
24	6-Jun-03	243	10339	3	47	0	6		
25	7-Jun-03	1104	11443	0	47	1	7		
26	8-Jun-03	111	11554	0	47	0	7		
27	9-Jun-03	478	12032	0	47	0	7		
28	10-Jun-03	173	12205	0	47	0	7		
29	11-Jun-03	1076	13281	0	47	0	7		
30	12-Jun-03	3660	16941	0	47	0	7		
31	13-Jun-03	1536	18477	0	47	0	7		

SIXMILE LAKE - SALMON OUTMIGRATION LOG
2003

	DATE	Daily SOCKEYE	Cum SOCKEYE	Daily COHO	Cum COHO	Daily KINGS	Cum KINGS	Other SPP	COMMENTS
32	14-Jun-03	779	19256	0	47	0	7		
33	15-Jun-03	573	19829	0	47	0	7		
34	16-Jun-03	96	19925	0	47	0	7		
35	17-Jun-03	134	20059	0	47	0	7		
36	18-Jun-03	20	20079	0	47	0	7		
37	19-Jun-03	14	20093	2	49	0	7		
38	20-Jun-03	6	20099	0	49	0	7		
39	21-Jun-03	3	20102	0	49	0	7		
40	22-Jun-03	9	20111	0	49	0	7		
41	23-Jun-03	2	20113	0	49	0	7		

Add SR to 247-50-10090-0010
Add KR to 247-50-10090-0010 &
247-50-10090
COsr,Ps,Ssr,DVsr
Ps,Sr
COsr,Ss,DVsr
COsr,Ss,DVsr
Gravel Pit
Beebe
Sixmile Lake
Landing Strip
Spring Lake
Gravel Pits
Tuomi
MORAINE
ELMENDORF
DAVIS
ROAD
21
22
28
132
150
KR
SR
SR KR