3 (1)

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

Fish Survey
Nomination Form
Anadromous Waters Catalog

Region: South Central **USGS Quad:** ANCHORAGE C-7

Fish Distribution Database Number of Waterway: 247-50-10300-2012

Name of Waterway: Cottonwood Slough

☐ **Addition** ☐ **Deletion** ☐ **Correction** ☑ **Backup Information**

For Office Use

Nomination # 10-936		
Revision Year: 2011	**Fisheries Scientist/Habitat**	**Date** 27 OCT 10
Revision to: **Atlas** ____ **Catalog** ____ **Both** ____	**AWC Project Biologist**	**Date**
Revision Code: F-1	**Drafted**	**Date**

Site Information **Station:** 20401291SUR **Date Observed:** 8/11/2009 **Legal Desc.:** S017N001W31 **Latitude:** 61.52233 **Longitude:** -149.52652 **Datum:** NAD83

Observation Information

Life History: juvenile
Species\Lifestage: coho salmon juvenile **Samp. ID (# Fish):** A (11) B (31)

Life History: not recorded
Species\Lifestage: stickleback-unspecified not recorded **Samp. ID (# Fish):** (0) B (8)

Key to Samp. ID

Samp. ID: A **Method:** Minnow Trap, Mesh Not Recorded

Samp. ID: B **Method:** Minnow Trap, Mesh Not Recorded

supports documentation of coho salmon rearing in stream

Additional Comments: This nomination provides backup anadromous waters information in support of the presence of COr in AWC stream # 247-50-10300-2012 (Cottonwood Slough).

Name of Observer: Ben Histand Phone: (907) 267-2277 Date Printed: 10/1/2010

Signature:

Address: ADF&G, Restoration and Research

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:** _____

MAT-SU 2009 CULVERTS FISH TRAP DATA

Line #	Site ID	Trap #	Species	Number	Size (mm)	Distance from culvert (ft)	Upstream or Downstream	Soak time (hours)	Comments	
1	LAN01	1	n/a	0	n/a	50	u/s	1	in Anna Lake	
2	PFR06	1	n/a	0	n/a	25	u/s	1.25	in pool	
3	PFR06	2	n/a	0	n/a	300	d/s	1.25	in beaver pond under bushes	
4	ZLR01	1	n/a	0	n/a	60	d/s	1		
5	ZLR01	2	RT	2	71	30	u/s	1	undercut bank	
					104					
6	CRK01	1	n/a	0	n/a	30	u/s	1		
7	CRK01	2	n/a	0	n/a	50	d/s	1		
8	KNB01	1	Coho	4	85	40	d/s	1	next to log	Nomination prepared
					50					Nomination prepared
					75					Nomination prepared
					35					Nomination prepared
9	KNB01	2	Coho	2	90	90	u/s	1	next to log	Nomination prepared
					80					Nomination prepared
10	WFR01	1	n/a	0	n/a	100	u/s	2	in beaver pond	
11	WFR01	2	n/a	0	n/a	50	d/s	2		
12	WFR02	1	n/a	0	n/a	75	u/s	0.75		
13	WFR02	2	n/a	0	n/a	60	d/s	0.75		
14	WFR03	1	n/a	0	n/a	400	u/s	1		
15	WFR04	1	n/a	0	n/a	100	u/s	1		
16	WFR04	2	n/a	0	n/a	15	d/s	1		
17	WFR05	1	n/a	0	n/a	50	u/s	1.5		
18	WFR05	2	n/a	0	n/a	60	d/s	1.5		
19	WFR06	1	n/a	0	n/a	100	u/s	1	heavy iron stain in creek	
20	MAC01	1	Coho	1	95	15	u/s	0.75		
21	MAC01	1	Stickleback	41	n/a	15	u/s	0.75		
22	MAC01	2	Stickleback	10	n/a	20	d/s	0.75		
23	PFR09	1	n/a	0	n/a	100	u/s	1.5		
24	PFR09	2	n/a	0	n/a	200	d/s	1.5		
25	NEL01	1	Blackfish	1	120	30	d/s	0.75		
26	NEL01	1	Coho	1	58	30	d/s	0.75		
27	NEL01	2	n/a	0	n/a	60	u/s	0.75	sunk into aquatic vegetation	
28	PFR13	1	n/a	0	n/a	150	u/s	1.25		

29	PFR13	2	n/a	0	n/a	100	d/s	1.25	
30	SUR01	1	Coho	11	100	50	u/s	1	Nomination prepared
					88				Nomination prepared
					101				Nomination prepared
					103				Nomination prepared
					95				Nomination prepared
					97				Nomination prepared
					104				Nomination prepared
					80				Nomination prepared
					82				Nomination prepared
					94				Nomination prepared
					90				Nomination prepared
33	SUR01	2	Coho	31	57	80	d/s	1	Nomination prepared
					78				Nomination prepared
					71				Nomination prepared
					72				Nomination prepared
					75				Nomination prepared
					85				Nomination prepared
					64				Nomination prepared
					91				Nomination prepared
					45				Nomination prepared
					48				Nomination prepared
					65				Nomination prepared
					97				Nomination prepared
					48				Nomination prepared
					95				Nomination prepared
					82				Nomination prepared
					42				Nomination prepared
					113				Nomination prepared
					60				Nomination prepared
					60				Nomination prepared
					50				Nomination prepared
					85				Nomination prepared
					70				Nomination prepared
					75				Nomination prepared
					55				Nomination prepared
					68				Nomination prepared

				48					Nomination prepared
				52					Nomination prepared
				48					Nomination prepared
				63					Nomination prepared
				45					Nomination prepared
				45					Nomination prepared
38	SUR01	2	Stickleback	8	n/a	80	d/s	1	Nomination prepared
39	LOW01	1	Stickleback	13	n/a	80	d/s	1.25	
40	LOW01	2	n/a	0	n/a	20	u/s	1.25	
41	STF01	1	Coho	1	~ 90 m	60	u/s	1.25	
42	STF01	2	n/a	0	n/a	70	d/s	1.25	
43	LUP01	1	n/a	0	n/a	100	u/s	1	
44	KAR01	1	n/a	0	n/a	100	u/s	0.75	
45	KAR01	2	n/a	0	n/a	110	d/s	0.75	
46	SUZ01	1	n/a	0	n/a	10	u/s	1.5	in small lake/pond
47	SUZ01	2	n/a	0	n/a	150	d/s	1.5	in marshy pond
48	PMR01	1	n/a	0	n/a	10	u/s	0.67	
49	PMR01	2	Stickleback	2	n/a	10	d/s	0.67	
					END SHEET #1			**END SHEET #1**	
1	CLA01	1	n/a	0	n/a	20	u/s	1	
2	CLA01	2	n/a	0	n/a	100	d/s	1	shallow, fast water
3	ARR01	1	n/a	0	n/a	25	d/s	0.75	
4	PRK01	1	n/a	0	n/a	25	d/s	1.5	
5	ARR02	1	n/a	0	n/a	60	u/s	1.25	
6	ARR02	2	n/a	0	n/a	60	d/s	1.25	
7	ARR03	1	Stickleback	2	n/a	70	u/s	0.67	
8	ARR03	2	n/a	0	n/a	70	d/s	0.67	
9	ARR04	1	n/a	0	n/a	60	u/s	1	
10	ARR04	2	9-spine Sti	3	adult	55	d/s	1	pool w/wood
11	ARR04	2	DV	1	63	55	d/s	1	
12	ARR06	1	n/a	0	n/a	100	u/s		
13	ARR06	2	n/a	0	n/a	75	d/s		
14	ARR08	1	DV	1	52	70	u/s		Nomination prepared
15	ARR08	1	Coho	1	59	70	u/s		Nomination prepared
16	ARR08	1	Coho	1	53	70	u/s		Nomination prepared

17	ARR08	1	Coho	1	60	70	u/s		Nomination prepared
18	ARR08	1	DV	1	47	70	u/s		Nomination prepared
19	ARR08	2	Sculpin	1	83	100	d/s		Nomination prepared
20	ARR08	2	Coho	1	51	100	d/s		Nomination prepared
21	ARR08	2	9-spine Sti	3	n/a	100	d/s		Nomination prepared
22	ARR09	1	n/a	0	n/a	20	u/s		
23	ARR09	2	n/a	0	n/a	60	d/s		
24	SIT01	1	Coho	1	55	75	u/s	1.5 in pool w/wood; rest of	Nomination prepared
25	SIT01	1	Coho	1	56	75	u/s	1.5	Nomination prepared
26	SIT01	1	Coho	1	70	75	u/s	1.5	Nomination prepared
27	SIT01	1	Coho	1	43	75	u/s	1.5	Nomination prepared
28	SIT01	1	Coho	1	57	75	u/s	1.5	Nomination prepared
29	SIT01	1	Coho	1	52	75	u/s	1.5	Nomination prepared
30	SIT01	1	Coho	1	42	75	u/s	1.5	Nomination prepared
31	SIT01	1	Coho	1	45	75	u/s	1.5	Nomination prepared
32	SIT01	1	Coho	1	43	75	u/s	1.5	Nomination prepared
33	SIT01	1	Coho	1	55	75	u/s	1.5	Nomination prepared
34	SIT01	1	Coho	1	44	75	u/s	1.5	Nomination prepared
35	SIT01	1	Coho	1	59	75	u/s	1.5	Nomination prepared
36	SIT01	1	Coho	1	70	75	u/s	1.5	Nomination prepared
37	SIT01	1	Coho	1	98	75	u/s	1.5	Nomination prepared
38	SUS01	1	n/a	0	n/a	70	u/s	0.75	Nomination prepared
39	SUS01	2	Coho	1	64	100	d/s	0.75	Nomination prepared
40	SUS01	3	Coho	1	juv	15	d/s	0.083 off outlet pool	Nomination prepared
41	SUS01	3	Coho	1	48	15	d/s	0.083 off outlet pool	Nomination prepared
42	SCH01	1	Coho	1	52	65	d/s	1.5	Nomination prepared
43	SCH01	1	DV	1	70	65	d/s	1.5	Nomination prepared
44	SCH01	2	Coho	1	55	45	u/s	1.5	Nomination prepared
45	SCH01	2	Coho	1	45	45	u/s	1.5	Nomination prepared
46	KRR01	1	n/a	0	n/a	75	u/s	0.75 shallow, fast water	
47	KRR01	2	n/a	0	n/a	50	d/s	0.75 shallow, fast water	
48	USR01	1	DV	2	200, 14	50	u/s	0.75	
49	USR01	2	n/a	0	n/a	50	d/s	0.75	
50	BMR01	1	n/a	0	n/a	40	u/s	1	

END SHEET #2 **END SHEET #2**

1	BMR01	2	n/a	0	n/a		60	d/s	1	
2	USR02	1	DV	1		128	30	d/s		trap in bigger stream below confluence
3	BMR02	1	n/a	0	n/a		50	u/s	1	
4	BMR02	2	n/a	0	n/a		50	d/s	1	
5	BMR03	1	n/a	0	n/a		60	u/s	1	
6	BMR03	2	n/a	0	n/a		70	d/s	1	
7	ATV01	1	Coho	1		55	15	d/s	1.5	pool below TWC
8	ATV01	1	Coho	1		58	15	d/s	1.5	
9	ATV01	1	Coho	1		45	15	d/s	1.5	
10	ATV01	1	Coho	1		40	15	d/s	1.5	
11	ATV01	1	Coho	1		60	15	d/s	1.5	
12	ATV01	1	Coho	1		54	15	d/s	1.5	
13	ATV01	1	Coho	1		61	15	d/s	1.5	
14	ATV01	1	Coho	1		45	15	d/s	1.5	
15	ATV01	1	Coho	1		38	15	d/s	1.5	
16	ATV01	1	Coho	1		43	15	d/s	1.5	
17	ATV01	2	Coho	1		53	50	u/s	1.5	
18	ATV01	2	Coho	1		42	50	u/s	1.5	
19	ATV01	2	Coho	1		50	50	u/s	1.5	
20	ATV01	2	Coho	1		52	50	u/s	1.5	
21	ATV01	2	Coho	1		54	50	u/s	1.5	
22	ATV01	2	Coho	1		54	50	u/s	1.5	
23	ATV01	2	Coho	1		48	50	u/s	1.5	
24	ATV01	2	Coho	1		39	50	u/s	1.5	
25	ATV01	2	DV	1		80	50	u/s	1.5	
26	WFR09	1	n/a	0	n/a		100	u/s	1	DV? Observed
27	WFR11	1	n/a	0	n/a		85	u/s	0.75	
28	WFR11	2	DV	1		72	120	d/s	0.75	
29	WFR12	1	n/a	0	n/a		100	u/s	1	undercut bank
30	WFR13	1	n/a	0	n/a		60	u/s	1	
31	WFR13	2	n/a	0	n/a		50	d/s	1	in Willow Cr
32	WFR14	1	DV	1		107	55	u/s	1	
33	WFR14	2	n/a	0	n/a		130	d/s	1	in Willow Cr
34	WFR15	1	n/a	0	n/a		25	u/s	1	
35	WFR15	2	n/a	0	n/a		75	d/s	1	
36	WFR16	1	n/a	0	n/a		60	u/s	1	
37	WFR16	2	n/a	0	n/a		40	d/s	1	

Nomination prepared
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38	WFR17	1	n/a	0 n/a	100 u/s	1
39	WFR17	2	n/a	0 n/a	100 d/s	1
40	WFR18	1	n/a	0 n/a	75 u/s	1.25
41	WFR18	2	n/a	0 n/a	85 d/s	1.25
42	WFR19	1	n/a	0 n/a	100 u/s	1
43	WFR19	2	n/a	0 n/a	75 d/s	1
44	UWR01	1	n/a	0 n/a	150 u/s	1
45	UWR01	2	n/a	0 n/a	150 d/s	1
46	GCR	1	n/a	0 n/a	80 u/s	1
47	GCR	2	n/a	0 n/a	40 d/s	1
48						
49						
50						

END SHEET #3 **END SHEET #3**

data entry checked by BH

PARKS HWY 2009 CULVERTS FISH TRAP DATA

Line #	Site ID	Trap #	Species	Number	Size (mm)	Distance from culvert (ft)	Upstream or Downstream	Soak time (hours)	Comments	
1	HHR02	1	Coho	1	48	50	upstream	1	vis ovs juv salmonids	Nomination prepared
2	HHR02	1	Stickleback	3	n/a	50	upstream	1		Nomination prepared
3	HHR02	2	Stickleback	18	n/a	100	downstream	1		Nomination prepared
4	HHR02	2	Coho	1	69	100	downstream	1		Nomination prepared
5	HHR02	2	Coho	1	82	100	downstream	1		Nomination prepared
6	HHR02	2	Coho	1	94	100	downstream	1		Nomination prepared
7	HHR02	2	Coho	1	107	100	downstream	1		Nomination prepared
8	HHR02	2	Coho	1	59	100	downstream	1		Nomination prepared
9	SRR01	1	n/a	0	n/a	50	u/s	1	no fish	
10	SRR01	2	n/a	0	n/a	50	d/s	1	no fish	
11	SAU01	1	n/a	0	n/a	75	u/s	1	in pool under log	
12	SAU01	2	n/a	0	n/a	31	d/s	1	in pool under log	
13	SRR02	1	n/a	0	n/a	150	u/s	1	in pool by birch tree	
14	SRR02	2	n/a	0	n/a	30	d/s	1	under overhanging willows	
15	BRD01	1	n/a	0	n/a	85	u/s	1.5	under overhanging willows	
16	BRD02	1	n/a	0	n/a	150	d/s	1.5	under overhanging willows	
17	BRD03	1	n/a	0	n/a	80	u/s	1	under birch tree	
18	BRD03	2	n/a	0	n/a	120	d/s	1	under birch tree	
19	BRD04	1	n/a	0	n/a	60	u/s	1		
20	BRD04	2	n/a	0	n/a	200	d/s	1		
21	OWR01	1	n/a	0	n/a	70	u/s	1	under alder, below beaver dam	
22	OWR01	2	n/a	0	n/a	50	d/s	1	in pool	
23	PVR02	1	n/a	0	n/a	130	upstream	1		Nomination prepared
24	PVR02	2	Coho	1	65	40	downstream	1	shallow channel	Nomination prepared
25	PVR04	1	n/a	0	n/a	50	u/s	1.25	small shaded pool	
26	PVR04	2	n/a	0	n/a	100	d/s	1.25		
27	OWR02	1	n/a	0	n/a	150	u/s	1	shallow, shady pool	
28	OWR02	2	Stickleback	16	n/a	300	d/s	1	flat chan above lake	
29	OWR03	1	n/a	0	n/a	100	u/s	1	pool	
30	OWR03	2	n/a	0	n/a	100	d/s	1		
31	PVR18	1	n/a	0	n/a	140	u/s	1		
32	PVR18	2	n/a	0	n/a	200	d/s	1	pool under willows	

33	PVR19	1	n/a	0	n/a	85	u/s	1
34	PVR19	2	n/a	0	n/a	300	d/s	1
35	PVR21	1	DV	1	55	150	u/s	1.25 saw a few more
36	PVR21	2	n/a	0	n/a	120	d/s	1.25
37	PVR28	1	n/a	0	n/a	150	u/s	1
38	PVR28	2	n/a	0	n/a	80	d/s	1 pool

Johnson, J D (DFG)

From: Histand, Benjamin M (DFG)
Sent: Tuesday, October 26, 2010 1:46 PM
To: Johnson, J D (DFG)
Subject: Culverts AWC nominations
Attachments: Mat-Su 2009 Culverts Fish Data.pdf; Parks Hwy 2009 Culverts Fish Data.pdf

Hi Jay,

Here's a summary of what was caught at the sites we nominated. For all sites, we placed minnow traps upstream and downstream of the culvert. Fish were caught in both traps at the majority of the sites. I've also attached pdf's of the Mat-Su data sheet, which you have, and one from our Parks Highway project, which I had forgotten to print out. Please let me know if there's more information I can provide.

Thanks,
Ben

Site ID	Upstream Catch	Downstream Catch
KNB01	2 coho	4 coho
SUR01	11 coho	31 coho, 8 stickleback
ARR08	3 coho, 2 dollies	1 coho, 1 sculpin, 3 9-spine stickleback
SIT01	14 coho	nothing
SUS01	nothing	3 coho
SCH01	2 coho	1 coho, 1 dolly
ATV01	8 coho, 1 dolly	10 coho
HHR02	1 coho, 3 stickleback	5 coho, 18 stickleback
PVR02	nothing	1 coho