

DEC 16 1996

Region

USGS Quad

REGION II
 HABITAT AND RESTORATION
 DIVISION

Anadromous Water Catalog Number of Waterway

Name of Waterway USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	<input type="text" value="97 020"/>	<input type="text" value="J. O'Connell"/>	<input type="text" value="12/15/91"/>
Revision Year:	<input type="text"/>	Regional Supervisor	Date
Revision to:	Atlas <input type="text"/> Catalog <input type="text"/>	<input type="text" value="E. O'Connell"/>	<input type="text" value="3/18/97"/>
	Both <input checked="" type="checkbox"/>	AWC Project Biologist	Date
Revision Code:	<input type="text" value="A-2"/>	<input type="text" value="2. Brown"/>	<input type="text" value="12/11/97"/>
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	6/29/95	Probable	Yes	Yes	<input checked="" type="checkbox"/>
Dolly Varden	6/29/95	Probable	Yes	Yes	<input type="checkbox"/>
Ninespine Stickleback	6/29/95	Probable	Yes	Yes	<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: Site sampled during an ADF&G, Habitat and Restoration Division, fish habitat survey of the Crescent River area. Rearing coho salmon (age-1.) and Dolly Varden were observed and collected in a small pool between two beaver dams. Rearing salmon and charr densities were high within beaver dam complex area. The upper (active) beaver dam appeared to create a temporary blockage to salmonid fish passage. Ninespine stickleback only were found in the pond above the upper dam (this site is near the southeastern extent of their documented range in Alaska). The course of the lower reach of this stream appears to have shifted from the course shown on the U.S.G.S. map. See the attached survey form and aerial photo for details.

Name of Observer (please print)
 Date: Signature:
 Address:

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:

STATION NO: 3-A-1 DATE: 6/29/95 TIME: 1200
 OBSERVERS: M, J, T, S TEAM A, B STREAM NO: _____
 GPS COORDINATES: Lat. _____ Long. _____

WEATHER: CLEAR HIGH STREAM STAGE: HIGH PRECIP: _____
 PRT. CLDY. MEDIUM YESTERDAY _____
 CLOUDY LOW THIS WEEK _____
 TEMPERATURE: AIR _____ WATER 45° STREAM GRADIENT: Pool %

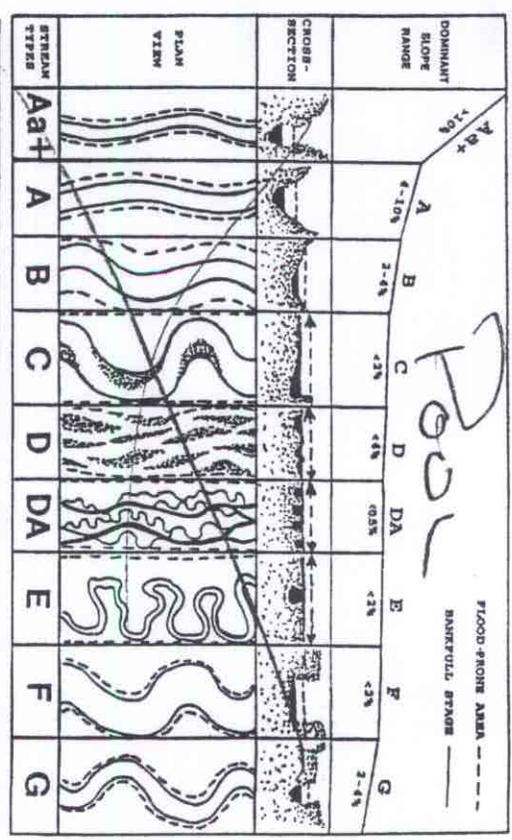
WATER CLARITY: SUBSTRATE COMPOSITION (%):
 CLEAR MUD 100 STREAM DIMENSIONS (ft):
 STAINED SAND _____ DEPTH, LEFT BANK 0
 TURBID GRAVEL _____ DEPTH, RIGHT BANK 0
 MUDDY COBBLE _____ DEPTH, MID-CHANNEL 1.5
 MURKY BLDG/B-ROCK _____ VELOCITY: None Slow Medium Fast
 100% 0 0.1 1-3 3+

CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):



ROLL NO. _____ FRAME NOS. _____

CIRCLE DOMINANT CHANNEL TYPE:



Channel	A	B	C	D	DA	E	F	G
1								
2								
3								
4								
5								
6								
ENTH	<1.4	1.4-2.2	>2.2	N/A	>2.2	>2.2	<1.4	<1.4
SIN.	<12	>12	>14	<11	1.1-1.6	>1.6	>1.6	>1.2
W/D	<12	>12	>12	>40	<40	>12	>12	>12
SLOPE	.04-.099	.02-.039	<.02	<.09	<.005	<.02	<.02	.02-.039

FISH SAMPLING GEAR: EF TIME: 71 AREA: 80 EFFIC: 90 %
 CONDUCTIVITY: 4 lumhos WHERE DV & CO FOUND

CO	58	67	65	SEVERAL	LAUGHS	SCHOOLS
CO	58	67	65	SEVERAL	LAUGHS	SCHOOLS
K						
S						
P						
CH						
DV	55	53	78	80		
	NINEFINE	STICK	FBAC	K		
						ABOVE

WILDLIFE OBSERVATIONS: FALLS ~ 25 min
 ACTIVE BEAVER DAMS

3-A-1

IMMATURE EGGS

245-30

ADD STREAM
245-30 - 10 028

10100

10110

10120

10130

CH

CH

CH

CH

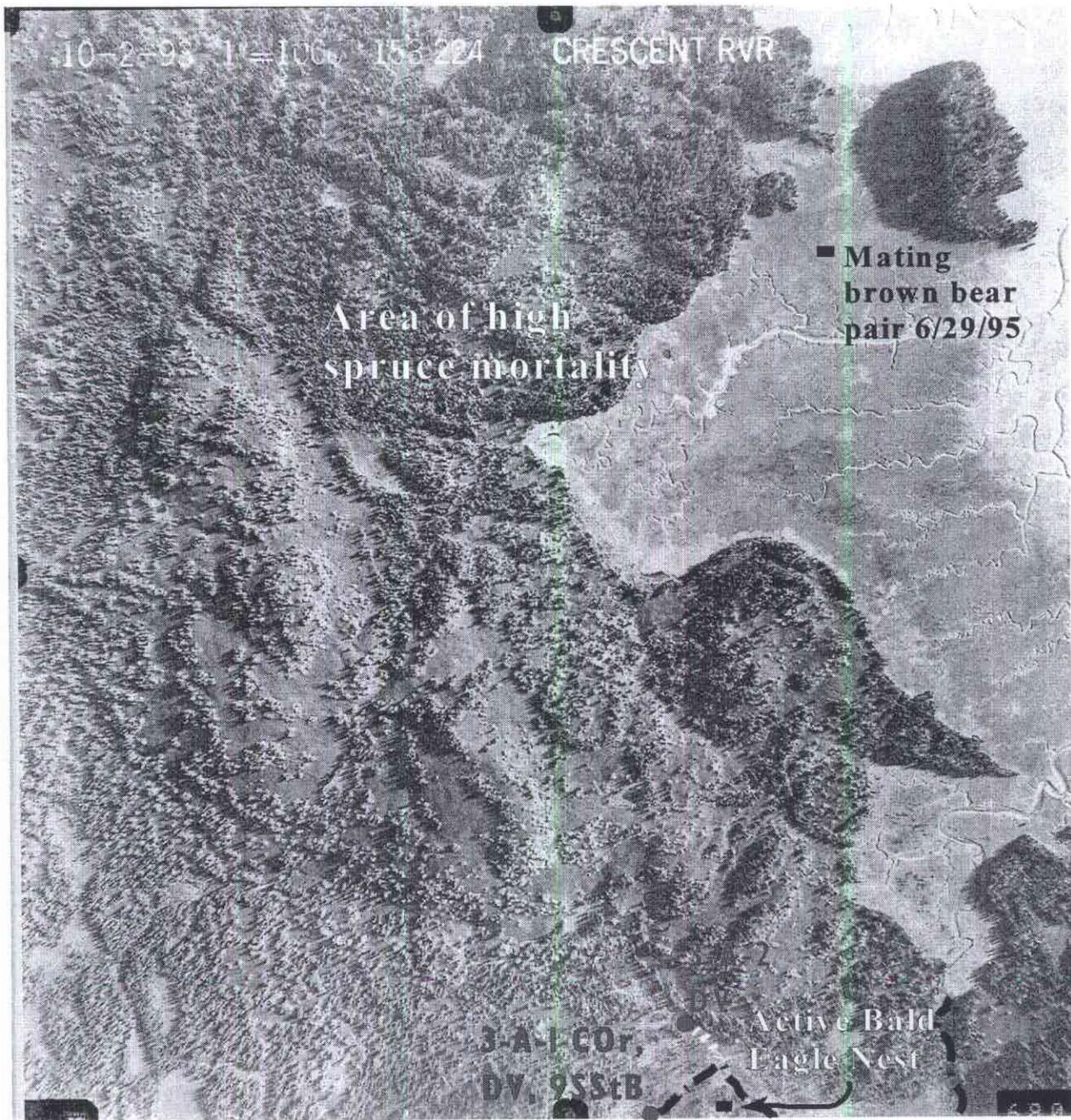
CH

CH

CO

CH

CO



Appendix B13.-Aerial photo 2-1; sample sites 3-A-1 and 3-A-2.

Site 3-A-1. Coho salmon and Dolly Varden rearing in pools and stream downstream of active 5-foot high beaver dam. Ninespine stickleback only above dam. Site 3-A-2. Low densities of Dolly Varden only. Fast, cold (40° F), shallow, sterile stream with little cover. Recent beaver activity in drainage. Stream course subject to frequent changes as a result of beaver dam construction. Active bald eagle nest in cottonwood adjacent to stream.

Brown bear boar and sow mating in sedge flats approximately noon on 6/29/95.