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

AWC Volume SE (SC) SW W AR IN USGS Quad Valdez A-3

Anadromous Water Catalog Number of Waterway 212-20-10080-2193-0910

Name of Waterway Cleave Creek Delta USGS name ✓ Local name ___

Addition ✓ Deletion ___ Correction ___ Backup Information ___

For Office Use

Nomination # 93 107	[signature] FR 11/3/92 Regional Supervisor Date
Revision Year:	
Revision to: Atlas ___ Catalog ___	Ed Weiss 12/15/92
Both X	[signature] 12/23/93 Drafted Date
Revision Code: A-2	

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
King Salmon	8/27/92		✓ observed several fish		✓ sampled 3 King Smolts

Provide any clarifying information, including number of fish observed, location of fish survey data, etc. Attach a copy of the fish survey data, if available. 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.

Comments: Site 3-B-4
0910 is a polygon which consists of an alluvial fan with swift braided streams running down it. The stream composition and habitat are uniform thruout this alluvial fan. We shocked three separate stream beds and found that King Smolt appeared in all channels immediately adjacent to the Copper R. In addition King Smolt from upriver (Copper) appear to rear in clearer quiet pools along the banks of the Copper thruout area. * Note See Photos for clarification

Name of Observer (please print) Mike Wiedmer + Pat Houghton

Date: 10/13/92 Signature: [signature] MICHAEL WIEDMER

Address: State of Alaska DEPARTMENT OF FISH & GAME 333 Raspberry Rd. Anchorage, AK 99518-1599

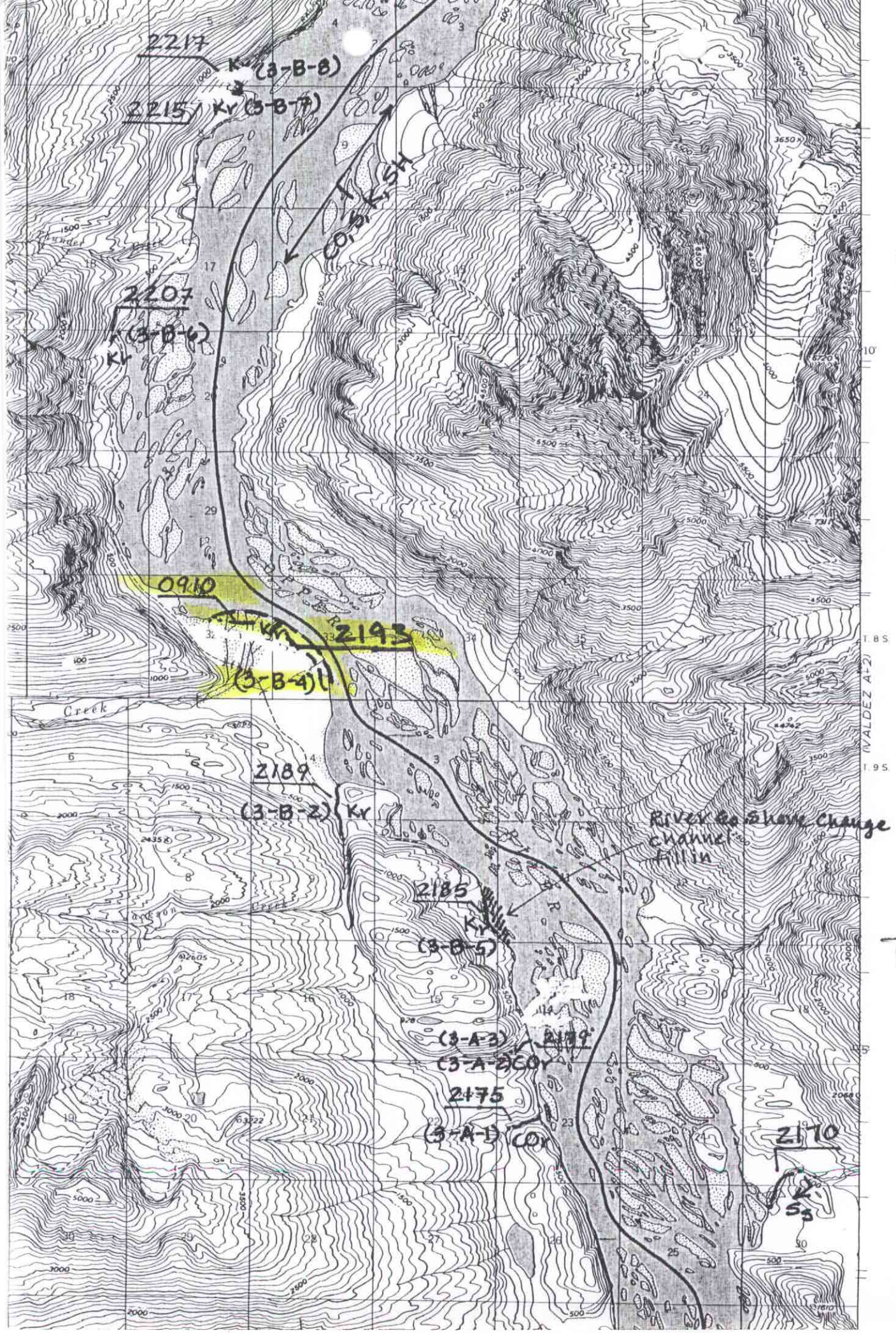
ALASKA DEPT. OF FISH & GAME

OCT 13 1992

Signature of Area Biologist: ___

Rev. 12/91

REGION II HABITAT DIVISION

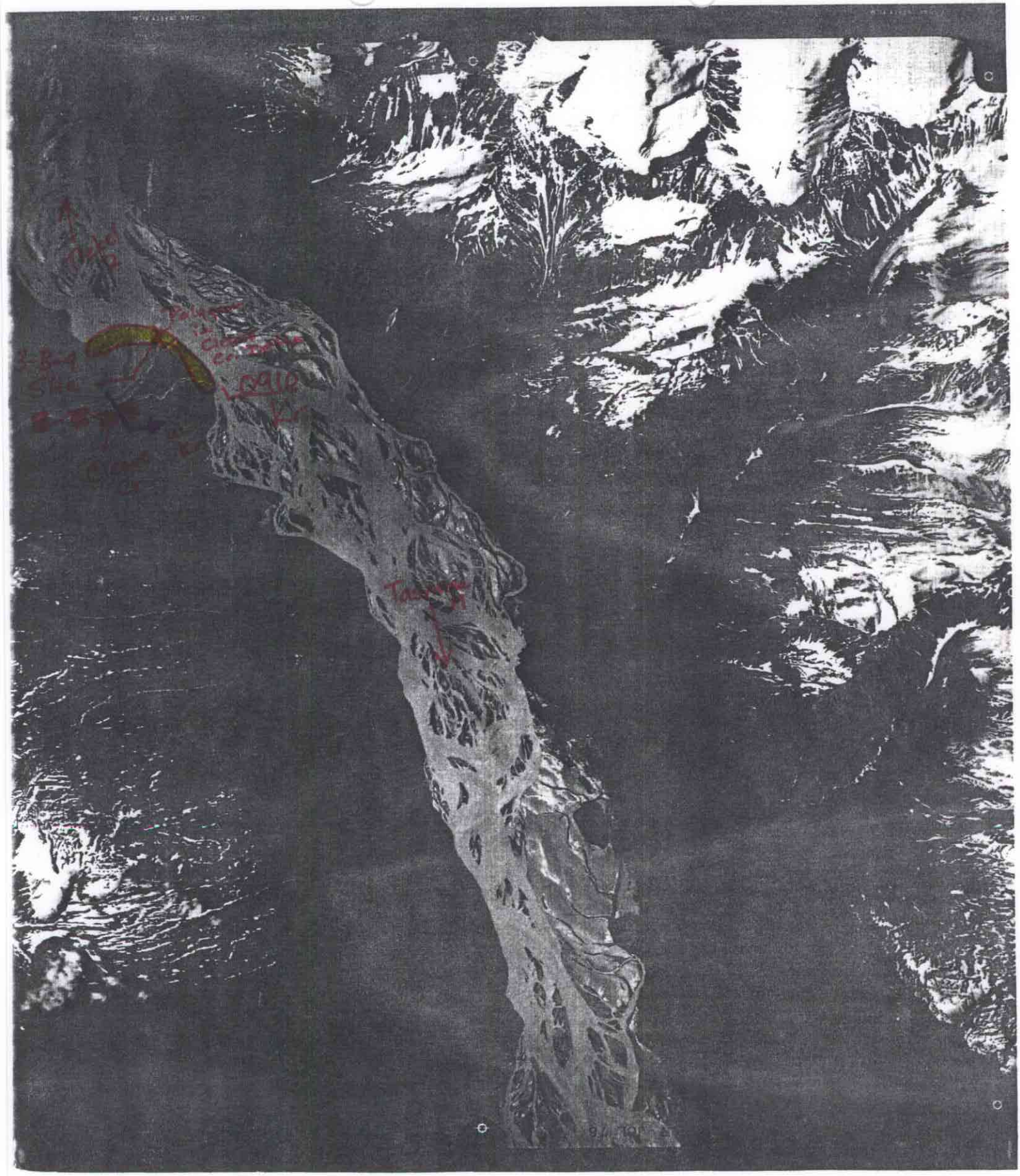


SHORTE
- 226
- 221
- 2

SHRUN
POLYGO
- 0910
ADDED
- 219

DELETE
- 218

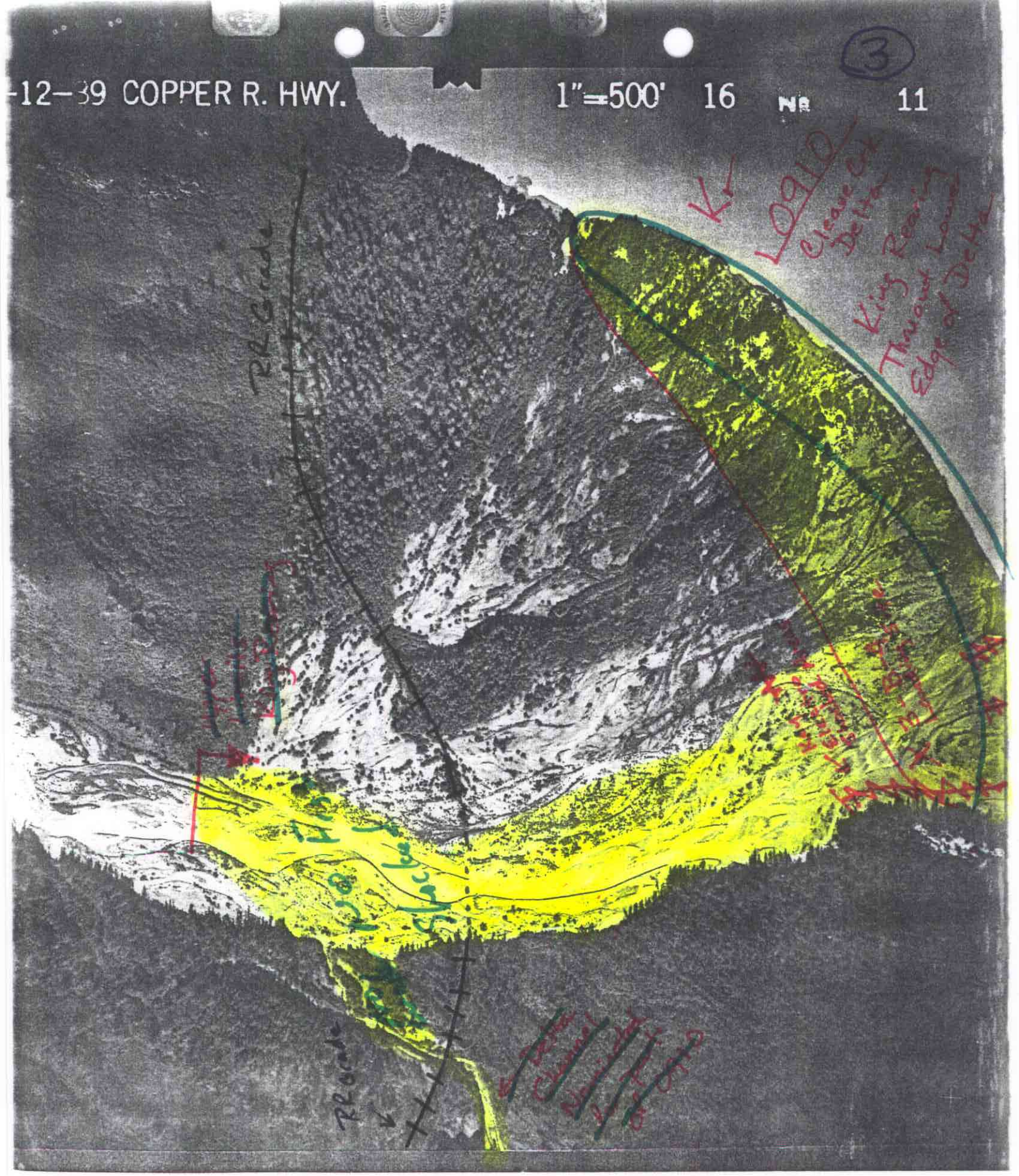
CRH #11 (Million # Br. to Tiekel R.) (1)



MATCH TO # (12) ↑

(11)

MATCH TO # (10) ↓


-12-39 COPPER R. HWY.
1"=500'
16
NR
11
3
Kr
L0910
Cleave Crk Delta
King Rearing Thaw and Lower Edge of Delta
RR Grade
RR Grade

COPPER RIVER FISH HABITAT SURVEY

Rev. 8/23/92

STATION NO: 3-B-4 DATE: 8/27/92 TIME: 1315

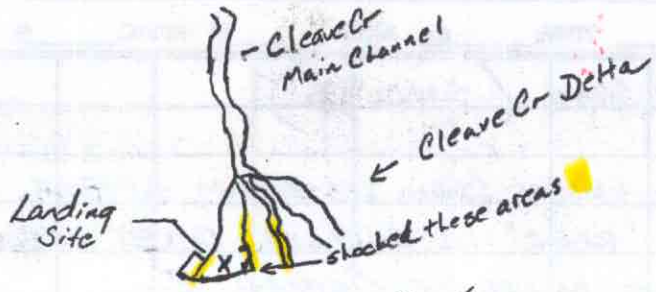
OBSERVERS: MW + PH TEAM: A (B) STREAM NO: _____

WEATHER:	STREAM STAGE:	PRECIP:	
CLEAR	HIGH	TODAY	0
PRT. CLDY.	MEDIUM	YESTERDAY	.5"
(CLOUDY)	(LOW)	THIS WEEK	?

TEMP: AIR ___ WATER ___ GRADIENT: ____°

WATER CLARITY:	SUBSTRATE:		STREAM DIMENSIONS:	
			WIDTH	1-5'
MUDDY	MUD	___		
(MURKY)	(SAND)	80%	DEPTH, LEFT BANK	.5'
STAINED	(GRAVEL)	20%	DEPTH, RIGHT BANK	.5'
(CLEAR)	COBBLE	___	DEPTH, MID-CHANNEL	.5'
TURBID	BLDR/B-ROCK	___ 100 %	VELOCITY: None (Slow) Medium Fast	

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



ROLL NO. 2 FRAME NOS. 2-6

* Refer for
Upper Limits Info for Cleave Creek.
This is well above Upper Limits for King juveniles
Dolly Varden are found in many Clearwater inputs to Cleave Crk.

COPPER RIVER FISH HABITAT SURVEY

Rev. 8/23/92

STATION NO: 3-B-3 DATE: 8/27/92 TIME: 1250

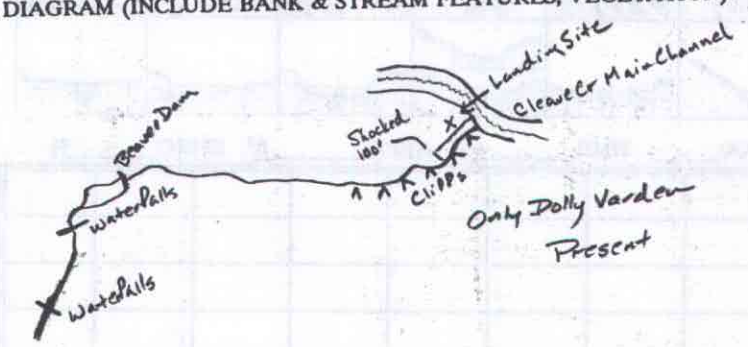
OBSERVERS: MW+PH TEAM: A (B) STREAM NO: _____

WEATHER:	STREAM STAGE:	PRECIP:	
CLEAR	HIGH	TODAY	0
PRT. CLDY.	MEDIUM	YESTERDAY	.5"
(CLOUDY)	(LOW)	THIS WEEK	?

TEMP: AIR ___ WATER ___ GRADIENT: ___°

WATER CLARITY:	SUBSTRATE:		STREAM DIMENSIONS:
MUDDY	MUD	___	WIDTH 3-6'
MURKY	(SAND)	25%	DEPTH, LEFT BANK 1'-2'
STAINED	(GRAVEL)	75%	DEPTH, RIGHT BANK .5'-1'
(CLEAR)	COBBLE	___	DEPTH, MID-CHANNEL 1'
TURBID	BLDR/B-ROCK	___ 100 %	VELOCITY: None (Slow) Medium Fast

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



ROLL NO. 0 FRAME NOS. 0