cc Fred Zeigler
Kim Turley
Mark Van Tassel
Fish & Game

Date: 5-14-79 / 5-15-79

Fish Stream Survey Report

102-70-58

Camp ½ Way House Stream Name(ID) "Slick Creek"

Road# 5050C Station# _____ Unit# 1-13 RP# _____

Quad Map _____ Section _____ Chick Map 41 Section 15

Fish Present Yes X No _____

	Yes	No
Above Road Crossing	X	
Below Road Crossing	X	
Within Unit Boundary	X	
Below Unit Boundary	X	

Species Present/Stage of Development Coho fry & smolt
Cutthroat fry

Type of Fish Habitat

Salmon Spawning Area	X	sq yds Describe	60-90%
Salmon Rearing Area	X	sq yds Describe	
Other _____ Area _____		sq yds Describe	

Stream Sketch or Map: Attach supplement if necessary:
see supplement

Method(s) used to determine presence of fish: Shocker

Str. #1 Date	#Fish	Approx Length	Gear	Length of Time Fished
5-14-79	4 Coho	2.5 inches	shocker	30 min
	1 Coho	4.5 inches		
	1 Coho	1.5 inches		
	2 Coho	2.0 inches		
	1 Coho	3.0 inches		
	1 Smolt	5.0 inches		
	1 Cutthroat	5.0 inches		
Str # 1-A 5-15-79	1 Coho	2.0 inches		15 min
	1 Coho	1.5 inches		
	1 Coho	1.0 inches		

Is future fish habitat enhancement possible? Yes _____ No X
If yes Describe:

Road and Unit boundary/fish stream intersection(s)
Marked with aluminum metal tags Yes X No _____
Fish stream(s) flagged with blue stripe tape Yes X No _____
Stream(s) traversed-If so attach traverse notes Yes X No _____
Additional parameter information necessary, Yes _____ No _____
If so attached completed fish stream parameter Data form

Pertinent Wildlife Information:
Excellent Bear Habitat - Bear scat
" Deer Habitat

Comments:
see supplement

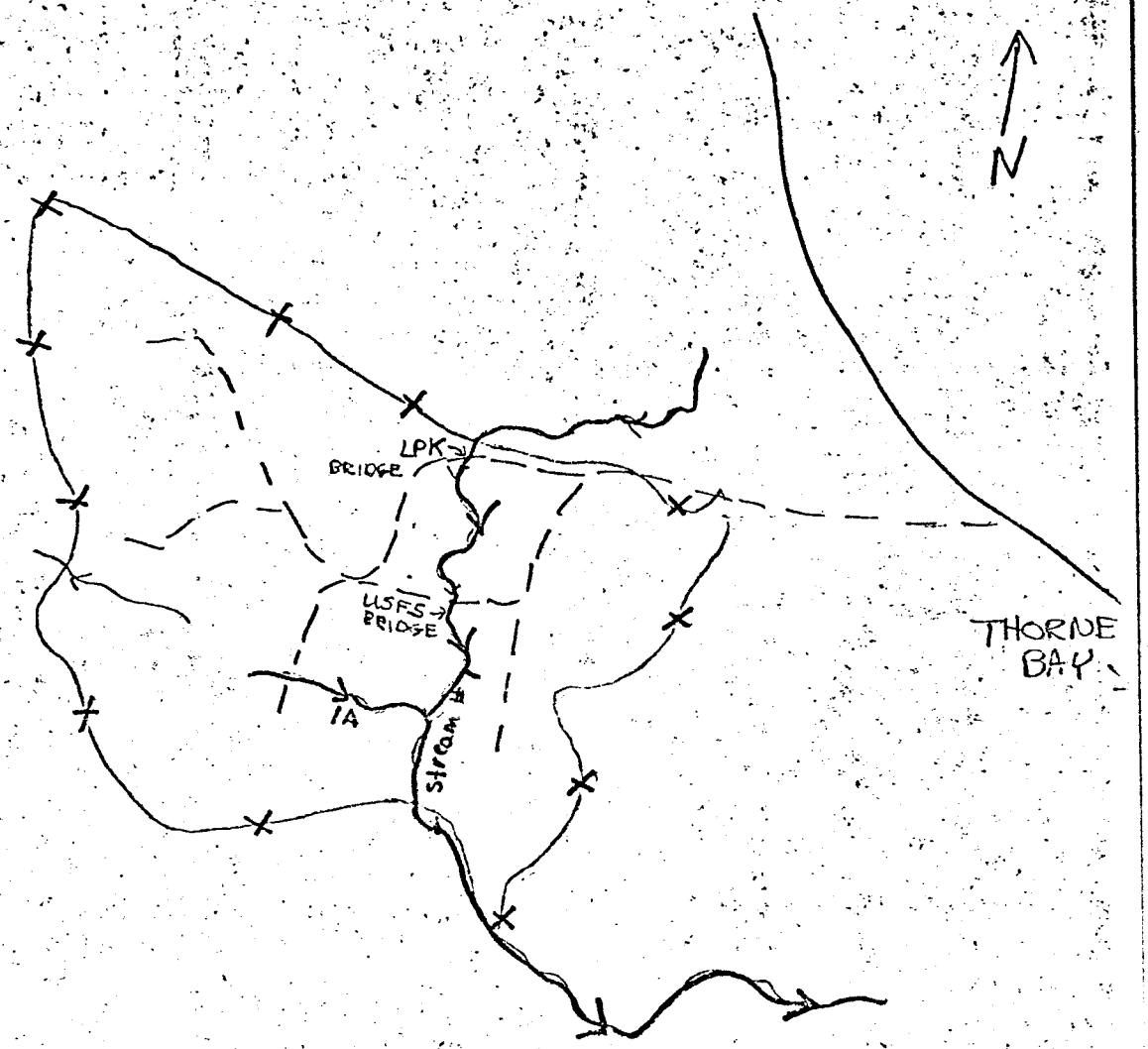
Survey Crew Members:	Signature	Date
Mick Corey	Mick Corey	
Glenna Hopper	Glenna Hopper	5-16-79

Report Reviewed By Michael E. Navy (Signature) Forester (Title) 5-17-79 (Date)

See attached sheets for site specific recommendations

Recommendations: Stream #1 is coho spawner and 1A is coho rearing habitat. Fish passage required concurrent with roadbuilding on all proposed crossings. U.S.F.S. proposed bridge crossing is preferred over LPK bridge site proposal. Streams #1 & 1A will require full protection. Directional falling to include lining or jacking if necessary, 48 hour cleanup of logging debris from stream, yarding away or full suspension over and timing of operations to avoid spawning fish in creek. This unit will need to be looked at again after unit boundary is finalized. Need to recheck braided channel ~~& come up~~ with logging prescription for that area

Unit 1-13

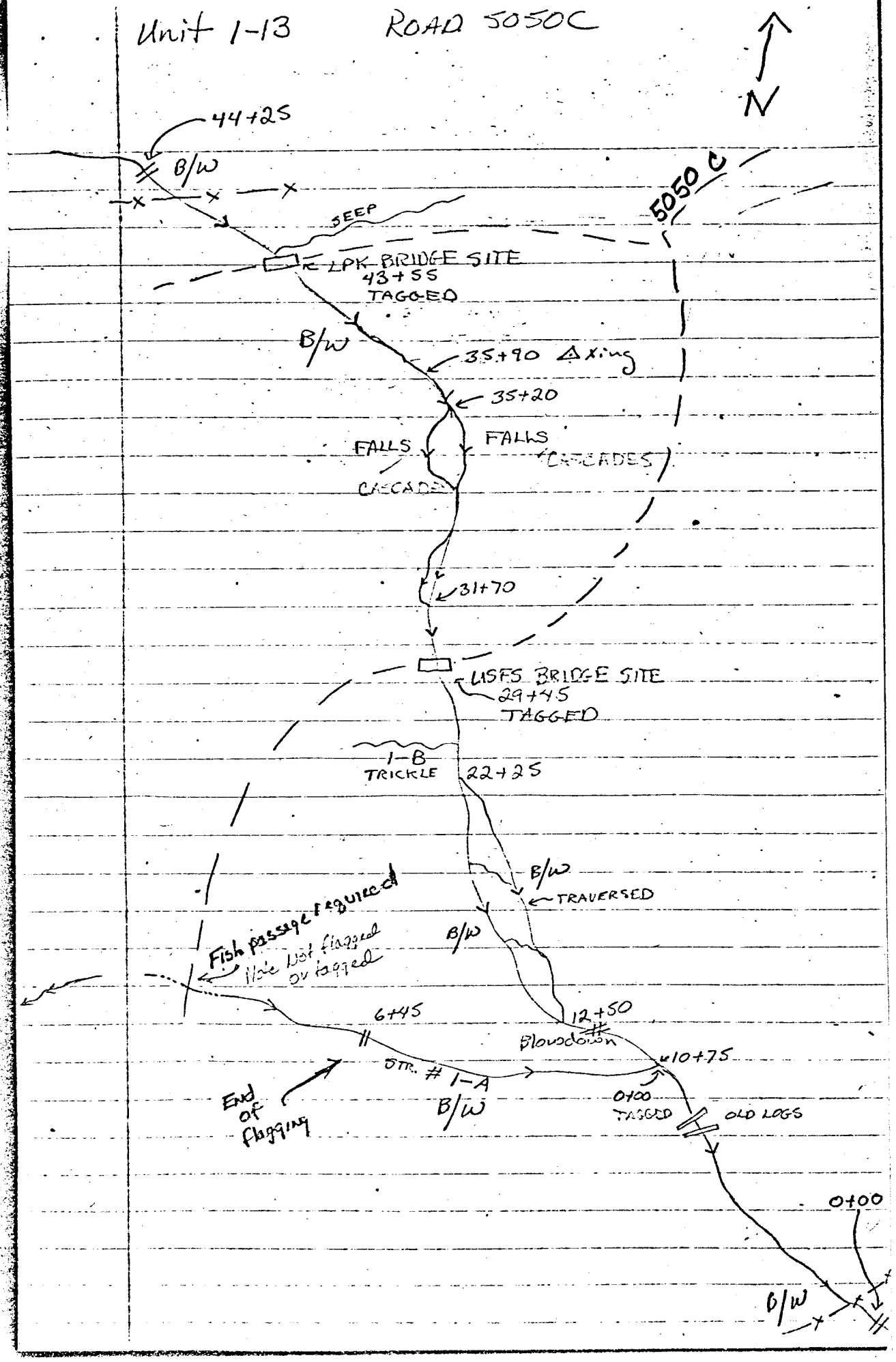


Unit boundary

proposed road

Stream

Unit 1-13 ROAD 5050C



UNIT 1-13 Road 5050C

Stream 1-A 5-15-79

Stream 1-A enters stream #1 at approximately 10+75, just below the braid in stream #1 and some new blowdown. The tributary is tagged at the confluence with stream #1. Stream 1-A was shocked and Coho were present. The stream is flagged Blue/white approximately 700 feet upstream. This is not necessarily the end of the habitat as Coho may be able to get farther upstream at high water. The proposed road crossing is farther upstream near a saddle.

*Fish passage is required at the present location, as coho probably utilize upstream habitat at higher flows

Note crossing not flagged or tagged.

Stream 1-A is 1-2 feet wide, 3-8 inches deep with 12 inch pools. The substrate is sand/mud. The gradient is approx. 5-8%. Several small coho were shocked, and it appears to be good rearing habitat.

The stream was also traversed.

UNIT 1-13 ROAD 5050C 5-14-79

STREAM #1

Stream #1 varies from 10-20 feet wide, 8-12 inches deep, with 2-3 feet pools. The substrate consists of Rock/gravel/sand. There is excellent spawning gravel along the entire stream.

The stream flows approximately south through unit 1-13. There is a section where the stream splits and cascades down some 1-2 foot falls; 85+20. Further downstream the creek braids again into two beds and joins again about 1000 feet downstream. A tributary flows into stream #1 just below this braid.

The stream is tagged at each of two proposed bridge crossings, and flagged Blue/white approximately 150 feet above and below each proposed unit boundary. Coho were shocked above and below the falls. The stream was also traversed.

✓ This stream offers excellent Coho spawning and Rearing habitat. The temperature was found to be 44° F.

Unit 1-13 Road 5050C

Recommendations:

Two bridge crossings have been proposed for stream #1. LPK has proposed a bridge crossing at 43+55 on our traverse. This crossing is not recommended as the road line follows a seep to stream #1. The second Forest Service proposed bridge site, at 29+45, appears to be a better location at this time.

Due to the low gradient and evidence of higher water on stream 1-A, offering Coho rearing habitat, the road at its present location should require fish passage, ON stream 1A

There is a stream across the saddle from stream 1-A that was not checked due to lack of time and the pending unit boundary. However, there does not appear to be any problems concerning this stream and the present road location. - Stream will be checked when boundary is finalized

Stream #1 and 1-A should have Full protection during logging opperations. Directional falling, Yarding away from the stream, Debris removal within 48 hours, and no yarding across the stream or ... full suspension over.

Unit 1-13 Road 5050 C

The unit 1-13 boundary has not been marked at this time. When it has been flagged the unit boundary should be checked again for streams.

UNIT TRAVERSE

SALE NAME Rd 5050 C
CREW Cory / Hopper
WEATHER Clear MAG

UNIT 1-15
DATE 5-14-79
TRUE North
PAGE 1 of 3

STA	SLOPE DIST.	% SLOPE	FS	BS	REMARKS
0+00	BELOW UNIT BOUNDARY 100 FEET DOUBLE FLAGGED B/W				
	270	+1	350	+1	+2
2+70					
	200	+2	20	+2	+2
4+70	80% Gravel		20% sand		
	155	+2	330	+2	+5
6+25					
	180	+5	320	+3	+5
8+05					
	140	+3	294	+10	+5
9+45					
	130	+5	344	+8	+5
10+75	≈ TRIB 1-A Exc. Deer & Bear Habitat				
	175	+5	354	+10	+30
12+50	Blowdown - Begin Braid				
	80	+3	10	+8	+25
13+30					
	150	+4	360	+10	+30
14+80					
	95	+5	46	+10	+30
15+75					
	280	+3	340	+10	+20
18+55					
	100	+3	350	+10	+10
19+55					
	120	+3	320	+15	+20
20+75					

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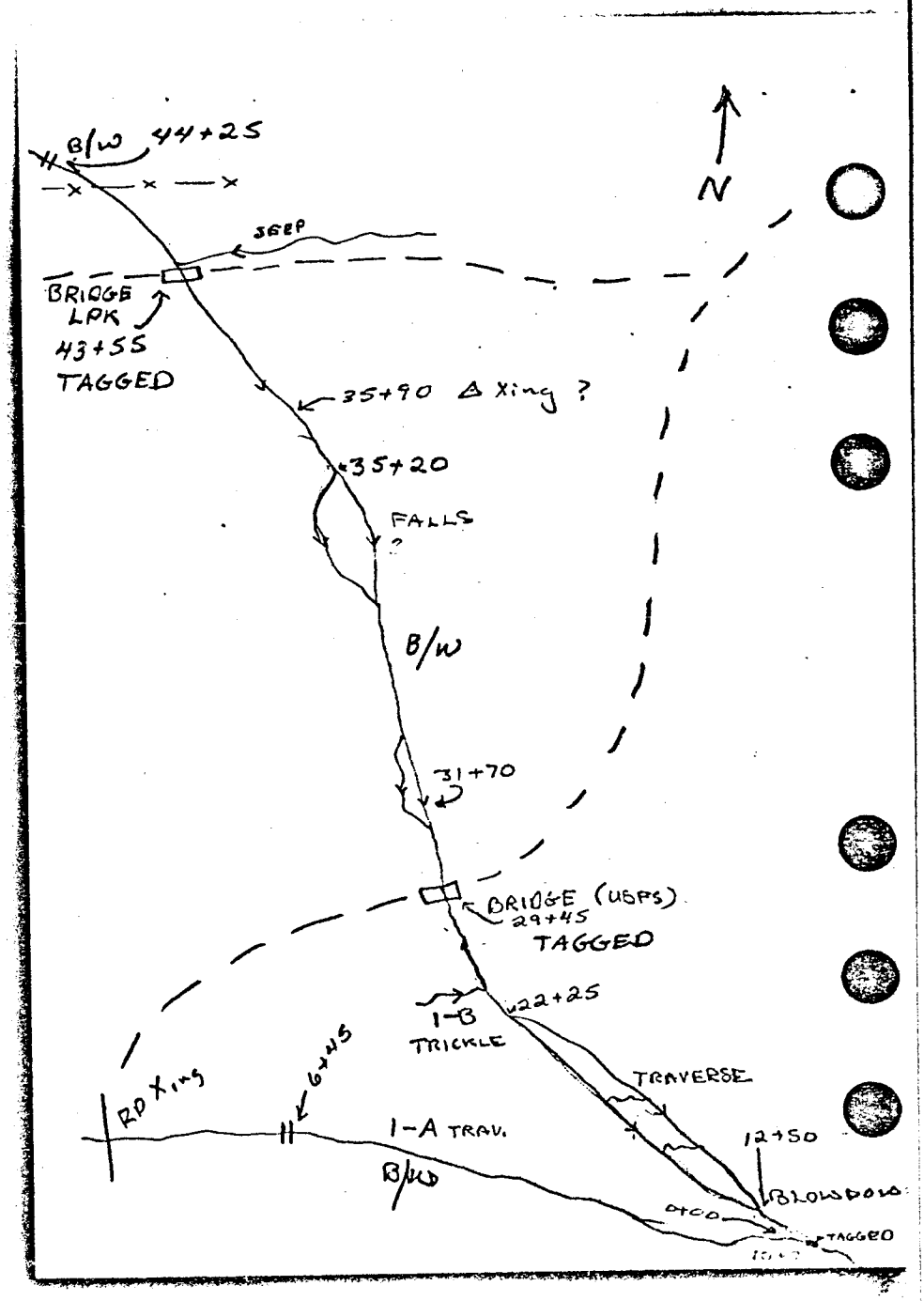
B/W 44+25
SEEP
BRIDGE
LPK
43+55
TAGGED
35+90 Δ Xing ?
35+20
FALLS
?
B/W
31+70
BRIDGE (USPS)
29+45
TAGGED
22+25
1-B
TRICKLE
TRAVERSE
RD Xing
6+25
1-A TRAV.
B/W
12+50
BLOWDOWN
DTCD
TAGGED
N

UNIT TRAVERSE

SALE NAME Rd 5050 C UNIT 1-13
CREW CORY / HOPPER DATE 5-14-79
WEATHER CLEAR MAG TRUE NORTH
PAGE 2 of 3

STA	SLOPE DIST.	% SLOPE	FS	BS	REMARKS
20+75					
	150	+8	332	+45	+10
22+25	Str. Braid ends - Exc. spawn grave				
	100	+7	350	+45	+10
23+25					
	140	+7	22	+40	+20
24+65					
	110	+8	38	+25	+75
25+75					
	90	+7	330	+35	+25
26+65					
	110	+5	310	+25	+40
27+75					
	170	+7	24	+25	+30
29+45	Bridge Xing (FS)				
	60	+8	310	+60	+15
30+05					
	165	+5	86	+50	+25
31+70	Braid small				
	100	+5	108	+20	+35
32+70					
	175	+8	60	+25	+25
34+45	Braid				
	75	+12	138	+10	+10
35+20	Falls - Braid				
	70	+10	134	+12	+15
35+90	Δ Xing				

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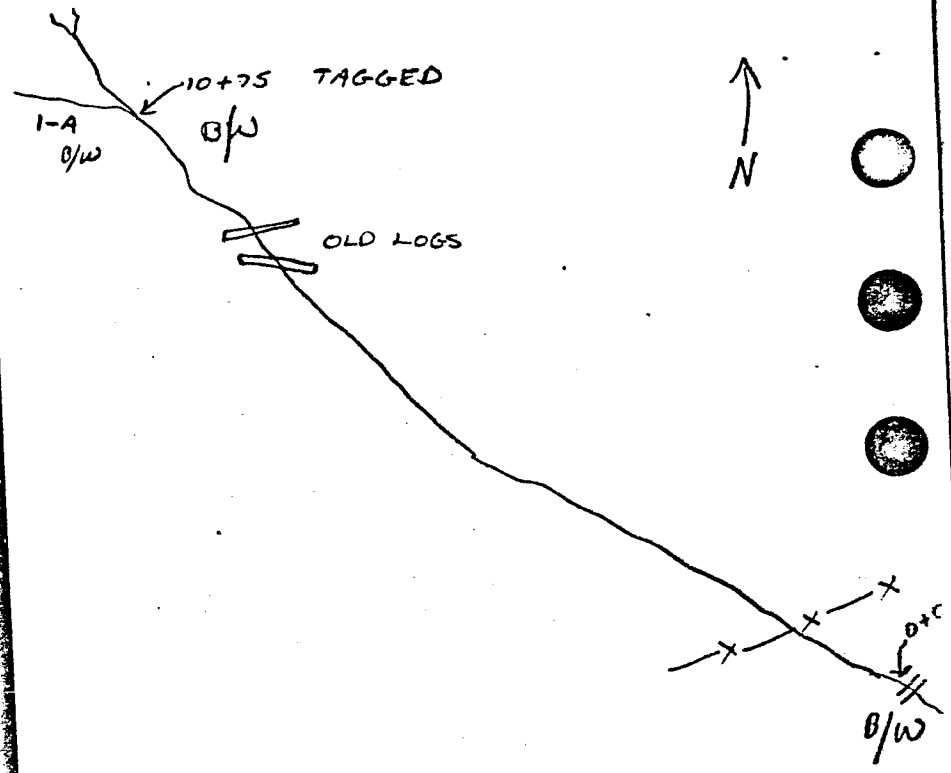

Perfect spawning/rearing
HABITAT

UNIT TRAVERSE

SALE NAME Rd. 5050 C
CREW Cory / Hopper
WEATHER clear
MAG

UNIT 1-13
DATE 5-14-79
TRUE North
PAGE 3 of 3

STA	SLOPE DIST.	% SLOPE	FS	BS	REMARKS
35+90					
	120	+6	90	+10	+20
37+10					
	100	+5	135	+25	+40
38+10					
	120	+3	60	+60	+25
39+30					
	105	+5	92	+40	+25
40+35					
	90	+3	100	+8	+45
41+25					
	105	+3	80	+5	+35
42+30					
	125	+4	58	+25	+30
43+55	BRIDGE Xing (LPK) TAGGED CORN				
	170	+3	34	+30	+30
44+25	END ABOVE TENATIVE UNIT				
	BOUNDARY				
	DOUBLE FLAGG B/W				

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Stream 1-A

UNIT TRAVERSE

SALE NAME Rd 5050 C spur UNIT 1-13
CREW COREY / HOPPER DATE 5-15-7
WEATHER Cloudy MAG TRUE N
PAGE 1-1

STA	SLOPE DIST.	% SLOPE	FS	L BS	R REMARKS
0+00	approx 33+00				
	1+05	2	310	2	2
1+05					
	0+90	2	310	3	2
1+95	3 - Coho shocked				
	0+80	3	300	15	2
2+75					
	1+00	3	320	30	2
3+75					
	0+85	3	310	20	10
4+60					
	1+00	3	320	10	10
5+60					
	0+85	2	320	35	20
6+45	B/W flagged twice (end of habitat)				
*	Coho may be able to get farther up at high water				

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