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FISH STREAM SURVEY FIELD REPORT

Date: 7-12-83

V.C.U.: 596

Camp: THORNE BAY

Unit: 596-2

Stream Catalogue #: THORNE-70-058

Road: 5000

Quad Map: CRAIG C-3

T 70S R 83E Sect 21

SPECIES PRESENT	STAGE OF DEVELOPMENT
COHO	Fry
DOLLY VARDEN	Fry

TYPE OF FISH HABITAT

Salmon Rearing	Excellent	Good	Fair	Sq. Yds.
Salmon Spawning	Excellent	Good	Fair	Sq. Yds.
Resident Rearing	Excellent	Good	Fair	Sq. Yds.
Resident Spawning	Excellent	Good	Fair	Sq. Yds.

Is future fish habitat enhancement possible? YES ____ NO X
If so, Describe:

	YES	NO
Fish Present Above Road Crossing:	✓	
Below Road Crossing:	✓	
Within Unit Boundary:	✓	
Below Unit Boundary:	✓	

Fish stream(s) intersection(s) marked with Metal Tags: Road ____ Unit ____
Fish stream(s) Flagged: BLUE/WHITE ✓ ORANGE/WHITE ✓ GREEN/WHITE ____
Fish streams Traversed: YES ____ NO ____
Traverse notes Attached: YES ____ NO ____
Is Additional Parameter Information Necessary? YES ____ NO ____
If so Describe:

Stream No.#:	1				
(°F) Temp.:					
(Ft.) Length	1100				
(Ft.) Width	20				
(In.) Depth	24-36				

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Methods used to determine presence of fish:

Stream #	Date	#Fish	Species	Length	Gear	Time
1	7-12	20	COHO	2"	observation	
1	7-12	20	Dolly VARDEN	2"	"	

Pertinent Wildlife Information:

Comments:

Survey Crew Members: JERRY KLUTHE, VALERIE SPACZYNKI

Signature: Jerry Kluthe

Date: 7-14-83

Report Reviewed By: Uberuaga (Signature) TNB (Title) 9/16/83 (Date)

Recommendations:

Need field review by district biologist of V notch & finalized boundary. look @ trees prone to sediment production

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TIMBER HARVEST - LONG TERM SALE

Resident Sport Fish Spawning and Rearing Streams
(Orange/White Ribbon)

UNIT # 596-2

ROAD # 5000

STREAM(S)# 1

STATION # —

The following fish stream protection prescriptions and recommendations apply; based upon quality of habitat, resistance to alteration, and fish habitat management unit objectives.

✓ 1. Directional falling or jacking (to include lining) of timber away from stream course.

✓ 2. Split the yarding on stream course or full suspension of timber over stream course.

✓ 3. No limbing of timber inadvertently felled into stream course (to include windthrow). Yard timber in lengths to maximize lift.

✓ 4. Remove debris introduced during timber harvest concurrent with yarding.

✓ 5. Yard timber impacting stream course same season as felled.

✓ 6. Windthrow impacting stream course will be marked for "Leave" or "Take" timber.

- ___ a. Timber marked with blue ribbon shoud be removed in lengths to maximize lift and minimize stream course disturbance.
- ✓ b. Timber marked with yellow ribbon should be left in place or will require special considerations upon removal.
- ✓ c. No limbing of timber occupying or suspended over stream course.
- ___ d. Removal of all introduced debris from stream course concurrent with yarding (to include rootwads that may enter stream course).
- ✓ e. Directional falling of standing timber away from stream course.

✓ 7. Time timber harvest within crown height of streamcourse to avoid adverse impact to salmonid redds and/or preemergent fry. (Optimum time for harvest: approximately April 15 to August 15). Operations outside of ths time period will require a site assessment by fisheries personnel.

+00 Begin unit survey.

RIGHT BANK - 120% Gradient FOR 100 FEET
80% Gradient FOR 50 FEET THEREAFTER

Exposed soil WITH Evidence OF EROSION and sliding

LEFT BANK - 3% Gradient FOR 50 Feet
80% Gradient FOR 25 Feet.

Channel - 10% Gradient

25%	boulders	(> 10")	Bottom Type
25%	Lg. cobble	(5"-10")	
40%	Sm. cobble	(2½"-5")	
10%	Gravel	(1"-2½")	

Pool / RIFFLE 10/90 predominantly Rapids 1'-3' High

Low water width - 20 FEET X 2½ FEET Deep
High water width - 30 FEET X 4' FEET Deep
pools - 1-2 FEET Deep

4+00 RIGHT BANK 100% Gradient
LEFT BANK 25% Gradient
Channel 10% Gradient

30%	boulder	Bottom Type
40%	Lg. cobble	
20%	Sm. cobble	
10%	Gravel	

4 merchantable blowDown logs bridging

Pool / RIFFLE 50/50
Immature FISH seen - No I.D.!

2+00 potential barrier Falls to Immature Fish passage
approx. 4 FEET High
Forms a Debris Jam of BlowDown permitting
2 Channells . . Large pool below Falls 10 Ft wide X
30 Ft. long X 3 Ft Deep

Cuto + Dolly Varden Fry observed.

Vegetated Gravel BAR ISLAND below Falls
END OF ANADromous FISH Habitat.

2+10 Dolly Varden Fry observed above Falls

3+00 Right BANK - 120% Gradient
LEFT BANK - 60% Gradient
Channel - 15% Gradient
20 Ft wide X 2 Ft Deep
pool / RIFFLE 60 / 40
pools 1 - 3 Ft Deep

MINOR Amount OF Debris observed IN stream OF
NON- MERCHantable Type. No considered a barrier
to FISH passage

40% boulder
40% Lg. cobble } bottom Type
15% Sm cobble
5% Gravel

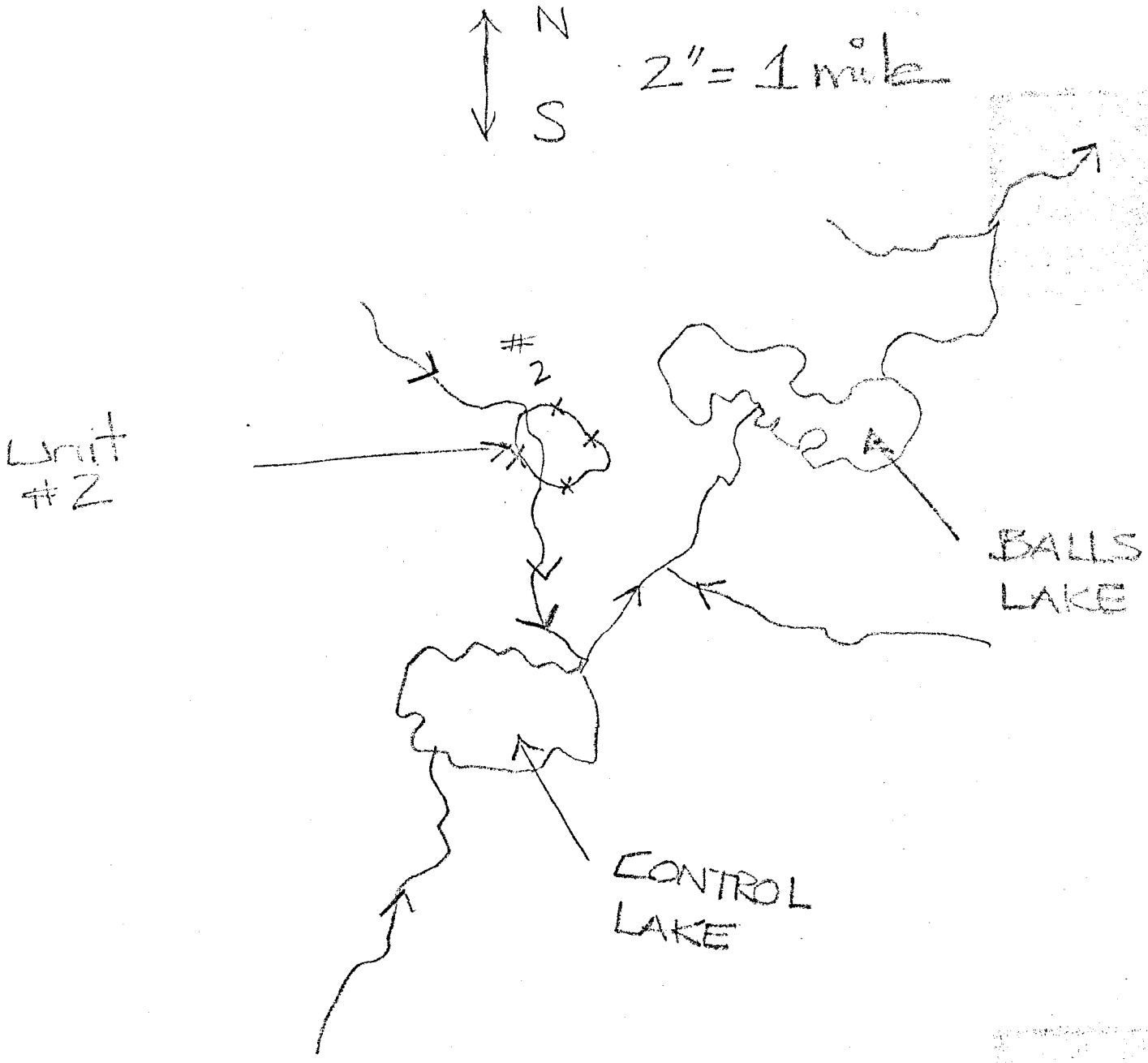
Signs OF BANK Instability both Right & LEFT Sides.

3+00 Right BANK - 120% Gradient
LEFT BANK - 80% Gradient
Channel 15% Gradient

11+00 Right BANK - 3% Grad. For 30 Ft 120% For 60 Ft thereafter
LEFT BANK - 180% Gradient
Channel - 18% Dolly Varden seen

11+50 Right BANK 5% Grad. FOR 40Ft, 120% FOR 60Ft thereafter
LEFT BANK 180% Gradient
Channell 20% Gradient

END OF SURVEY

General Direction OF Stream has been on an EASTERLY COURSE FOR approx. LAST 300 Ft, Comparing OUR position TO AIR photo layout OF unit we WERE WELL beyond unit Boundary.

Unit 596-2