Pete Mondich
Kim Turley
Fish & Game

Date: 12 September 1978

Fish Stream Survey Report

102-70-05 West Fork of the

Camp Thorne Bay

Stream Name(ID) North Thorne River

Road# 5051 Station# _____ Unit# 8-5 RP# _____

Quad Map Craig D-3 Section _____ Chick Map 33 of 55 Section 17 & 20

Fish Present Yes X No _____

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

Species Present/Stage of Development Coho (fry & smolt), Dolly Varden and Cutthroat Trout (Adult, fry, & smolt)

Type of Fish Habitat

Salmon Spawning Area NONE sq yds Describe —
Salmon Rearing Area 800 sq yds Describe excellent
Fish Habitat Other _____ Area 1800 sq yds Describe good to excellent

Stream Sketch or Map: Attach supplement if necessary:

(See Supplement)

Method(s) used to determine presence of fish:

Date	#Fish	Approx Length	Gear	Length of Time Fished
11/9/78	6 Coho	1½"	Shocked Below Unit Boundary	
	2 Coho	2"	"	"
	1 Coho	3½"	"	"
B/W & Tagged)	1 Dolly Varden	2½"	"	"
	1 Cutthroat	3½"	"	"
	4 Coho	1½"	Shocked Within Unit	
	1 Dolly Varden	2½"	"	"
	1 Cutthroat	3"	"	"
	1 Cutthroat	4½"	"	"
Other Side)	2 Cutthroat	5"	"	"

O/W & Tagged)	2 Cutthroat	2½"	"	"	
	1 Cutthroat	3"	"	"	
	1 Cutthroat	4½"	"	"	
9/12/78	1 Dolly Varden	3"	Trap A	Within Unit	5 hours
	1 Cutthroat	4½"	"	"	"
	2 Dolly Varden	2"	Trap B	Below Unit	"
	1 Cutthroat	3"	"	"	"
9/11/78	15 Dolly Varden	1½-4½"	Shocked	Within Unit	
	5 Cutthroat	1½-4½"		"	
O/W & Tagged)	3 Coho	1½"	Shocked	Below Unit Boundary	
	1 Coho	2"		"	"
	7 Dolly Varden	1½"		"	"
	3 Dolly Varden	3"		"	"
	1 Dolly Varden	4"		"	"
	1 Cutthroat	2"		"	"
	1 Cutthroat	3"		"	"
	3 Cutthroat	4½"		"	"
9/12/78	2 Dolly Varden	2½"	Trap C	Within Unit	
	1 Dolly Varden	4"	"	"	
	1 Dolly Varden	1½"	Trap D	Below Unit Boundary	
	1 Coho	1½"	"	"	
9/11/78	1 Dolly Varden	1½"	Shocked	Within Unit	
O/W & Tagged)	1 Cutthroat	4½"		"	
9/12/78	2 Dolly Varden	3"	Trap E	Below Unit Boundary	
	1 Dolly Varden	4"	"	"	
	1 Cutthroat	2½"	"	"	
9/12/78	1 Dolly Varden	1½"	Shocked	Within Unit	
O/W & Tagged)	1 Dolly Varden	2"		"	
	2 Dolly Varden	4"		"	
9/12/78	1 Cutthroat	3½"	Shocked	Within Unit	
O/W & Tagged)	1 Cutthroat	5"		"	
9/12/78	1 Dolly Varden	2"	Shocked	Within Unit	
Tagged or Tagged)					
9/12/78	1 Dolly Varden	3½"	Shocked	Within Unit	
O/W & Tagged)	1 Dolly Varden	5"			

Is future fish habitat enhancement possible? Yes ✓ No ____

If yes Describe:

Culvert replacement on G-spur & stream #1 intersection may be necessary if road is to remain open

Road and Unit boundary/fish stream intersection(s)

Marked with aluminum metal tags	Yes X	No ____
Fish stream(s) flagged with blue stripe + orange stripe tape	Yes X	No ____
Stream(s) traversed-If so attach traverse notes	Yes ____	No X
Additional parameter information necessary, If so attached completed fish stream parameter Data form	Yes ____	No X

Pertinent Wildlife Information:

Deer & Bear Tracks observed.

Comments:

SEE SUPPLEMENT

Unit Felled & bucked - partially logged at time of fish stream survey

Survey Crew Members:

Signature	Date
Thomas M. Heating	9/12/78
Laura A. Moll	12 SEPT 1978
Michael C. Navy	9-21-78

LAURA MAC

Report Reviewed By Signature Michael C. Navy Title Forester Date 9-21-78

Recommendations: See supplement - 100% logging debris removal required concurrent with yarding in stream #1 & spur road - Recommend culvert replacement to ensure fish passage on stream #1 - G spur crossing if road will remain open for 79-84 haul - if not pull culvert ASAP after logging restore fish passage. Ground cleaning recommended to [illegible] & prevent debris jams/erosion on stream #2 #3, #4, & #11 - Kim please see that this culvert location gets into appraisal if replacement is necessary - Navy

THORNE BAY
UNIT 8-5
15 SEPT 1978

STREAM #1 THIS STREAM IS 5 TO 6 FT WIDE, 4 6" DEEP WITH GRAVEL/COBBLE SUBSTRATE AND 3' HIGH MOSS BANKS. STREAM GRADIENT IS LESS THAN 5%. EXCELLENT COHO REARING HABITAT.

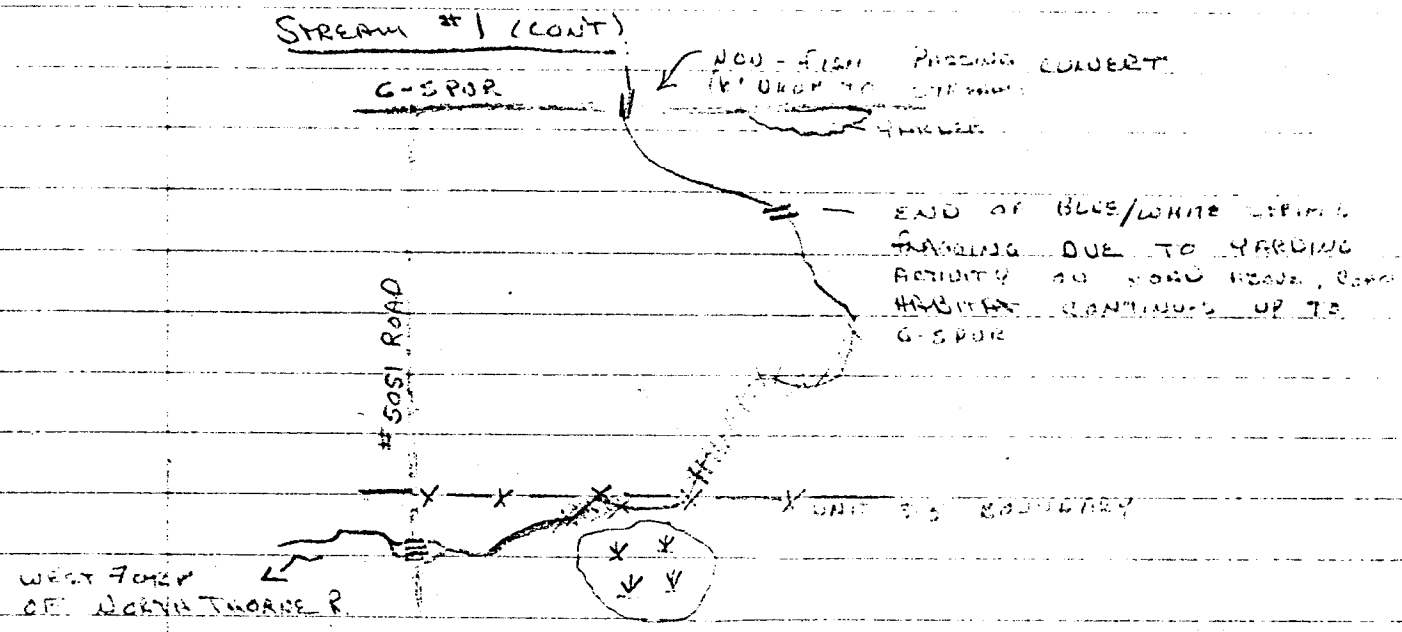
BEGAN SURVEY AT ROAD #5051 CROSSING. TWO LARGE FISH PASSING CULVERTS WERE IN PLACE JUST BELOW THE UNIT BOUNDARY. BELOW THE CULVERTS WE SHOCKED 4 COHO FRY, ONE DOLLY VARDEN, AND ONE CUTTHROAT. 20 FT ABOVE THE CULVERT WE SHOCKED FIVE COHO.

STREAM ENTERS THE UNIT 200-250 FT ABOVE THE ROAD CROSSING. THERE IS MUCH SLASH IN THE STREAM, BUT HABITAT IS STILL EXCELLENT. 100 TO 150 FT INSIDE UNIT, SLASH NEARLY OBLITERATES THE STREAM, AND LARGE TRACKS WERE OBSERVED WHERE LOGS HAD BEEN YARDED ACROSS THE STREAM BED. EXCELLENT TO GOOD COHO HABITAT UP TO G-SPUR ROAD. ABOVE G-SPUR, THE STREAM GRADIENT APPROACHES 30% AND IS INCREASING. SHOCKED 4 COHO, 6 CUTTHROAT, AND ONE DOLLY VARDEN INSIDE THE UNIT BOUNDARY.

FLAGGED BLUE/WHITE STRIPED FROM 300 FT BELOW CULVERTS ON #5051 ROAD, UPSTREAM TO

THORNE BAY
UNIT 2-5
10 SEPTEMBER 1987

STREAM #1 (CONT)



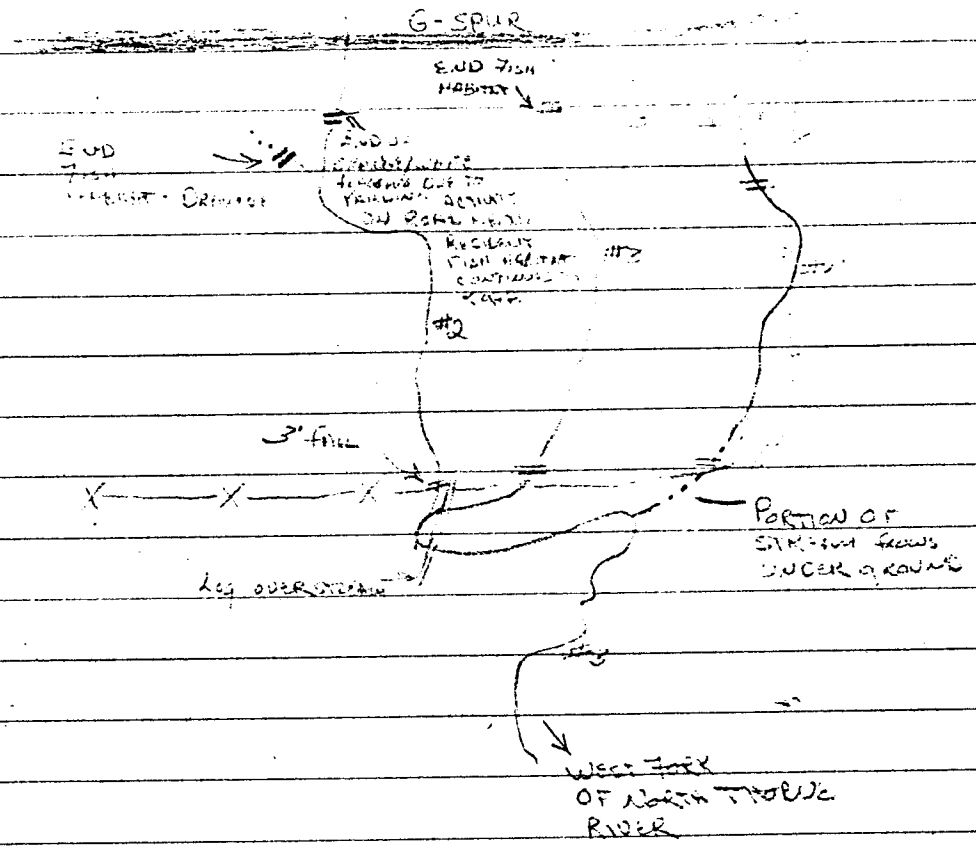
STREAM #2 THIS STREAM IS 3 TO 4 FT WIDE & 4" DEEP, WITH SAND/GRAVEL SUBSTRATE AND GOOD POOL. STREAM GRADIENT IS ~10% INCREASING TO 10-15%. HABITAT APPEARS TO BE GOOD TO EXCELLENT FOR RESIDENT FISH. A 3 FT FALL AT UNIT BOUNDARY APPEARS TO BE A COND FOR BARRIER. FOUR CUTTHROAT AND FIVE DOLLY VARDEN WERE SHOCKED INSIDE THE UNIT BOUNDARY. ONE DOLLY VARDEN AND ONE CUTTHROAT WERE TRAPPED INSIDE THE UNIT, AND ONE CUTTHROAT & TWO DOLLY VARDEN WERE TRAPPED JUST BELOW THE 3' FALL AT THE UNIT BOUNDARY.

FLAGGED ORANGE/WHITE STRIPE FROM EAST UNIT

THORNE BAY

UNIT 7-6

15 SEPT 1978



STREAM #3 THIS STREAM IS 3 TO 4 ft WIDE, & 4 TO 6 INCHES DEEP WITH SAND/GRAVEL SUBSTRATE INSIDE THE UNIT. 200-250' ft ABOVE UNIT BOUNDARY THE STREAM FORKS INTO TWO SMALLER STREAMS WHICH QUICKLY INCREASE IN GRADIENT AND FORM A SERIES OF 2 TO 4 ft FALLS. BELOW THE UNIT BOUNDARY STREAM #3 IS JOINED BY STREAM #2 AND IS 5 TO 6 ft WIDE, AND 6 TO 8 INCHES DEEP WITH SAND/GRAVEL SUBSTRATE.

THORNE BAY
UNIT 8-5
15 SEPT 1978

~ 300 ft ABOVE EAST UNIT BOUNDARY. TAGGED AT UNIT BOUNDARY.
RECOMMEND CHUNK CLEANING ON STREAM #3. STREAM BELOW UNIT WAS UNDISTURBED BY LOGGING. LOWER HALF OF UNIT IS NOT TO BE YARDED.

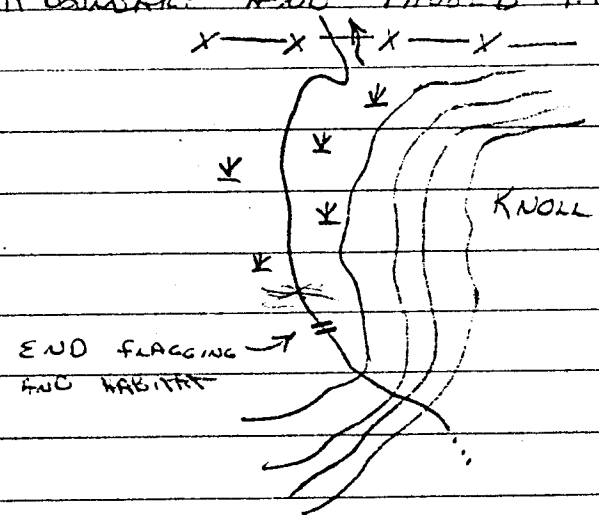
STREAM #4 THIS STREAM IS 1½ TO 2½ ft WIDE, & 3 TO 4 INCHES DEEP WITH SAND/GRAVEL SUBSTRATE. STREAM DRAINS A MUSKEG WHICH IS ON A STEEP GRADE APPROX 250 ft ABOVE UNIT BOUNDARY, AND FLOWS ALONG NORTH UNIT BOUNDARY & JOINS STREAM #3. ~ FIFTY ft STRETCHE OF STREAM #4 FLOW UNDERGROUND NEAR EAST UNIT BOUNDARY. SHOCKED ONE DOLLY YARDEN & ONE CUTTHROAT INSIDE UNIT, & TRAPPED 3 DOLLY YARDEN & ONE CUTTHROAT BELOW UNIT.
FLAGGED 250 TO 300 ft OF STREAM #4 WITH ORANGE/WHITE STRIPE FLAGGING. TAGGED AT UNIT BOUNDARY NEAR WHERE STREAM #4 JOINS STREAM #3.
RESIDENT FISH HABITAT WAS GOOD. MUCH LOGS, SLASH, AND DEBRI IN STREAM. RECOMMEND CHUNK CLEANING

STREAM #8. THIS STREAM IS 3 TO 4 ft WIDE, & 4" DEEP WITH SAND/SMALL GRAVEL SUBSTRATE. THERE IS A SERIES OF 2 TO 3 ft FALLS ~ 75 ft BELOW THE UNIT BOUNDARY. THIS IS GOOD RESIDENT

THORNE BAY
UNIT 8-5
15 SEPT 1978

STREAM #9 THIS STREAM IS [illegible] 4 TO 6 INCHES WITH SAND/SILT/SMALL GRAVEL SUBSTRATE. STREAM FLOWS ALONG A KNOLL THROUGH A LONG MUSKEG. 250' ABOVE EAST BOUNDARY IS A 6' FALLS AND STREAM GRADIENT INCREASES TO ~25 TO 30%. THIS IS GOOD RESIDENT FISH HABITAT. SHOCKED TWO CUTTHROAT IN STREAM.

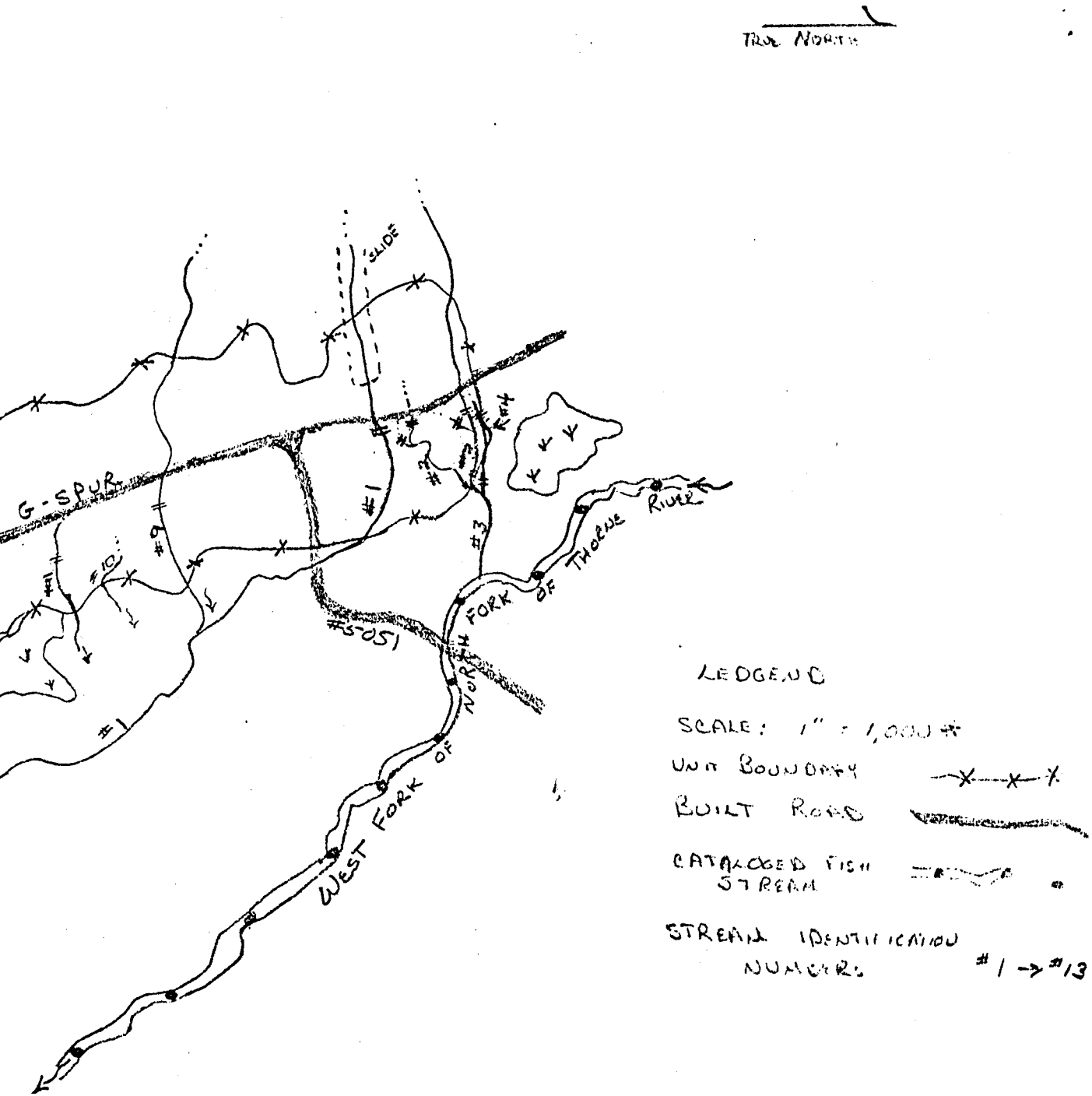
FLAGGED ORANGE/WHITE STRIPED ~200 ft ABOVE UNIT BOUNDARY AND TAGGED AT THE BOUNDARY.



RECOMMEND SLASH CLEAN-UP IF POSSIBLE. LOGGING HAS BEEN COMPLETED IN THIS PORTION OF UNIT 8-5.

STREAM #10 SHOCKED DUE DOLLY VARDEN 50 ft BELOW THE UNIT BOUNDARY. INSIDE THE UNIT THIS STREAM DIMINISHED TO A DRAINAGE AND NO MORE FISH WERE FOUND.

DID NOT [illegible] OF THE STREAM #10


TRUE NORTH
SLIDE
G-SPUR
#1
#2
#3
#4
#9
#10
#11
#5051
NORTH FORK OF THORNE RIVER
WEST FORK OF
LEGEND
SCALE: 1" = 1,000 ft
UNIT BOUNDARY
BUILT ROAD
CATALOGED FISH STREAM
STREAM IDENTIFICATION NUMBERS #1 -> #13