TNB FISH

102-70-058

FISH STREAM SURVEY ENGINEERING

S.O.

ADFG

ADFG FILE COPY

Date: 11-1-81

Camp: THORNE BAY Unit: NARROW BRIDGE

Stream Catalogue #: THORNE R. trib. Road: 5000

Quad Map: _____ T _____ R _____ Sect _____

Chick Map: _____ T _____ R _____ Sect _____

SPECIES PRESENT STAGE OF DEVELOPMENT

Methods used to determine presence of fish:

Stream #	Date	#Fish	Species	Length	Gear	Time
COHO - previous survey						
CUTTHROAT - Shecker						

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 ✓

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 _____

Fish streams Traversed: YES _____ NO _____

Traverse notes Attached: YES _____ NO ✓

Is Additional Parameter Information Necessary? YES _____ NO ✓

If so Describe:

Survey Crew Members: Signature Date

Bess Burrows

Report Reviewed By: Richard Ubemaga 11-1-81

Signature Title Date

[redacted]

11/1/81

Stream Assessment on Narrow Bridge
mile 9.2 from Thorne Bay on the 5000 Rd.

Purpose: Bridge removal

On November 12, 1981 an upstream assessment was completed starting at the bridge.
Results: Fish shocked - water was at high flow
3-1" Cutthroat
1-2" Cutthroat
2-3" Cutthroat
1-6" Cutthroat
All fish were shocked above the bridge.

Survey:
00.0 Bridge
0-24' - The stream was 5-6' wide, +7-8% gradient, pools to 1½'. The substrate was boulders, rocks with some gravel. Previously documented and flagged as a coho stream. Flagged blue + white. No coho were shocked at this time.

25'-2' debris barrier. Cutthroat were shocked above this barrier. End of blue + white flagging. The start of orange + white flagging.

25'-65' The stream gradient is +5%-+6%. The substrate is boulders, rocks with some gravel. Cutthroat shocked. Flagged orange + white.

65'-430' The stream gradient flatens out to +3%. The substrate is gravel and cobble. Stream width is 5'-8' with pools to 2½' deep. Excellent rearing habitat. Orange + white flagged.

430' 1½' log barrier, a small side channel allows for fish passage at high water. Cutthroat shocked. Flagged orange + white.

430'-490' The gradient is +5%

490' a 2' log and debris barrier on right side of channel. a 1' barrier on the left side.

490'-560' The stream width is 3'-5', gradient is +5%, with large rocks and mixed cobble and gravel substrate.

560' The channel forks and the gradient increases to +8%. Each fork is 2'-3' wide. <u>End of habitat</u> and the end of orange + white flagging. The left channel continues up for 250 feet into a muskeg. The right channel continues for about 200' through scrub timber.

End of upstream survey.

Downstream of the bridge

No fish were shocked below the bridge. This could have been the result of the high water.

0.00 Bridge
30' 1½' debris barrier
30'-40' log and debris steps
60' The stream runs into main channel which is a coho stream.

Conclusions and recommendations: The stream should be re shocked in spring of 1982 to see if coho are present. If there are no coho present, this stream should still have fish passage because of the abundant cutthroat habitat.