S.O. fish

FISH STREAM SURVEY - Reconstruction

ADFG

ADEG FILE COPY

Date: 5/25/82

Camp: TNB

Unit:

Stream Catalogue #: 103-90-030

Road: 5415

Quad Map: T R Sect

Chick Map: T R Sect

fish ENG-TNB

SPECIES PRESENT	STAGE OF DEVELOPMENT
Resident & anad.	—

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:

STREAM TEMP.:

Methods used to determine presence of fish:

Stream #	Date	#Fish	Species	Length	Gear	Time
1981 CULVERT SURVEY DATA plus electrofishing on Str. # 1						

Pertinent Wildlife Information:

Comments:

Survey Crew Members: Signature Date

R. UBERUAGA

G. Freamon

Report Reviewed By: Richard Uberuaga Title 5/25/82 Date

Signature

Recommendations: Place cmps according to typical fish detail for cmp installation & oversize pipes where possible

United States Department of Agriculture — Forest Service — Thorne Bay Ranger District, Thorne Bay, Alaska 99950

Reply to: 2630 Habitat

Date: May 27, 1982

Subject: Fish Passage 5415

To: Pete Fama

A fisheries habitat culvert assessment along the 5415 roads, identified six streams requiring fish passage. Stream #1, Eye-one-on Creek, will not require culvert replacement. The western branch of Eye Creek above the culvert running along the road will not require diversion across the road. Following I present site specific data on the remaining five streams:

	Gradient	Above	Below	Insid
Stream #2		18	13	5
#3		14	9	2
#4		15	7	6
#5		15	7	6
FDR 5415 #A		4	—	—
FDR 5415 #B		—	8	—

All these streams, with the exception of #1, are resident fish streams. All have approximately 400-500 feet of habitat available above the road crossing and all presently have fish passage due to the wood puncheon culverts with natural stream bottoms. Metal culvert installation along these six streams according to typical detail for fish culverts will most probably result in culvert gradients too steep to allow fish passage on all streams but #A. Fish passage may possibly be achieved by greatly oversizing the culverts and lining the culvert bottoms with boulders.

Richard Uberuaga

RICHARD UBERUAGA
Fisheries Biologist

37
13%
100
8%
150
12%
200
250
300

~3-500' addit. hab -
#4 & #5 very
Similar

5/25

5500 Km 49 B/W
32' cmp -9% sec/12 sec (24 ...
outlet pool OK
inlet O.K.
Flow - up from normal (rain).
Gradient +1%

5415 @ JCT w/ 5414
towards 1/2 way
23908.1
Str. 1 @ JCT - collapsed/blocked
wood - flanged O/W
needs new cmp

23908.4 Str. #5 O/W B/W rd
10/9/81
wood punchcon @ 6 ...
10% blw rd - presently has
passage - outfall poor but
has passage
inlet ~ 2' drop
grad 0 → 50' abv rd = 15%

6-1-82 UBE-Freeman

RD 5415 - TYE CR (7)
VELOC - 16 sec, 15 sec, 16 sec
lots of juv blw cmp

low flow -
Diversion of channel coming
from left to cross road
would be bad -
outlet 3"
@ inlet 2-3"

Coho & DV JUV. E.S. Abv cmp

Str #2 wood punc (5)
0 - 50 B/W 13%
culv @ ~5%
passage OK

0
18
50
19
100
18
150

Str #1 BW 36" cmp = 3-4%
40' long
velocity = 8 sec
8 sec
8 sec
8" deep @ outlet pool OK
1 creek + 1 runoff come
together abv road
inlet 8" deep

stream - wood punchem
@ NF Stony falls
resident - 3% @ road
crossing
upstream
0 → +4%

Dolly = visual ABV

root wad debris block blw rd

puncheon @ 1-2%
creek smaller than 4 & 5

0
12
50
16%
100
14%
150
21%
200

creek 2-3' wide
shallow
debris

50
17%
100
18%
150
24%
200 Stop
250 habitat contr[illegible]s ~ 200'
further @ a[illegible] 17%
300 creek is sma[illegible], little flow
w/ lots of debri[illegible]
average width [illegible]E-WE = 4'
shallow

23908.5 Str #4 puncheon
flagged b/w
outlet poor — debris block
2' high - 10 bl[illegible] - road
puncheon = +6
b/w road 0-75 = +7

res. hab - lots of fish abv road
stream forks @ 0+75
~300' each direction
stream underground several
areas @ 3-5%

take care along 0+75 to
prevent road bldg debris
from entering —

(8)

@ last stream before 5400
heavy slash & debris 0+30
upstream
root wads etc b/w road
too much debris to take
gradient
8-10 fill on C/L
gradient b/w road 6-10%
this cmp should average
be placed @ not ≥ 4%

traverse up main creek

(6)

0
12%
50
8%
100
8%
130
19%
150
15%
200
Steepens up
real good
250

Question - what will
happen to creek
running down
road?
Where is it to be
diverted