Date: 3/24/78

Fish Stream Survey Report

Camp Thorne Bay Stream Name(ID) _____

Road# 5534 Q5-Spur Station# 95+00 → 118+70 Unit# _____ RP# _____

Quad Map Craig D-4 Section 35 Chick Map _____ Section _____

Fish Present See Supplement Yes _____ No _____

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

Species Present/Stage of Development fry, smolt, adult

Type of Fish Habitat SEE SUPPLEMENT

Salmon Spawning Area _____ sq yds Describe _____

Salmon Rearing Area _____ sq yds Describe _____

Other _____ Area _____ sq yds Describe _____

Stream Sketch or Map: Attach supplement if necessary:

Method(s) used to determine presence of fish:

Date	#Fish	Approx Length	Gear	Length of Time Fished	Stream #
3/22	1 Rainbow/Cutthroat	1½"	shocker	20 min	1
3/22	1 Dolly V.	2"	shocker	15 min	2
	1 Dolly V	3½"			
	1 Cutthroat	4½"			
	1 Rainbow	4"			

Is future fish habitat enhancement possible? Yes_____ No ✓
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_____ No X
Additional parameter information necessary, Yes_____ No X
If so attached completed fish stream parameter Data form

Pertinent Wildlife Information:
A lot of Deer sign
Some mink or marten sign

Comments:

Survey Crew Members: Signature Date
Steven D Hales 24 March 78
Laura A. Moll 3/24/78

Report Reviewed By Michael E. Nancy Forester 3/24/78
Signature Title Date

Recommendations:
Recommend fish passage on all flagged streams

Thorne Bay
5534 (K-Spur)

Stream #1 (99+75)

Stream is 3'-6' wide, 2"-18" deep, sand and gravel substrate, good flow. Good pools, generally good habitat. extending at least 300' upstream from the centerline.

Shocked one 1"-1½" Rainbow/cutthroat 100' downstream. No barriers to upstream area.

Flagged with Blue and White Striped flagging and Placed an Aluminum Tag next to the stream

Recommend Fish Passage

Stream #2 103+75

Stream is 6'-8' wide, 8"-24" deep, rock gravel and sand substrate, good flow. Many excellent pools, undercut banks. Good Habitat

Shocked two Dolly Varden, 1 cutthroat and one rainbow.

Flagged with Blue and White Striped Flagging and tagged with an aluminum tag near road crossing.

Recomend Fish Passage

Date: 3/24/78

Fish Stream Survey Report

Camp THORNE BAY Stream Name(ID) _____

Road# 5421 (PASS SPUR) Station# 205+00 → 236+40 Unit# _____ RP# _____

Quad Map CRAIG D-4 Section 36 Chick Map _____ Section _____

Fish Present ~~SEE SUPPLEMENT~~ Yes _____ No X

Above Road Crossing	_____	_____
Below Road Crossing	_____	_____
Within Unit Boundary	_____	_____
Below Unit Boundary	_____	_____

Species Present/Stage of Development _____

Type of Fish Habitat ~~SEE SUPPLEMENT~~

Salmon Spawning Area _____ sq yds Describe _____

Salmon Rearing Area _____ sq yds Describe _____

Other _____ Area _____ sq yds Describe _____

Stream Sketch or Map: Attach supplement if necessary:

Method(s) used to determine presence of fish:

Date	#Fish	Approx Length	Gear	Length of Time Fished

Is future fish habitat enhancement possible? Yes X No ____

If yes Describe: Apparently there is a falls on the north fork of Shoheen that prevents anadromous fish from using the upper part of N. Fork. this includes all than area we looked at on Pass Spur.

Road and Unit boundary/fish stream intersection(s)

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

Pertinent Wildlife Information:

Deer sign tracks + dropping everywhere

Comments: This road is on the side of a hill or on a bench. Most of the streams crossed were steep at the crossing or steep above and below the road. We found no fish streams on the unbuilt part of this road.

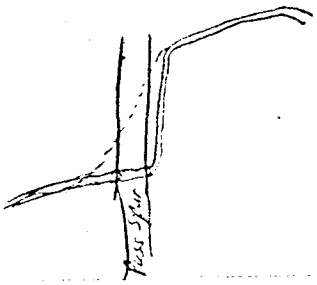
See note on one stream on built part of Pass Spur

Survey Crew Members:	Signature	Date
	Steven D Hales	24 March 78
	Laura A. Moff	3/24/78

Report Reviewed By Michael C. Navy (Signature) Forester (Title) 3/24/78 (Date)

Recommendations:

Believe we should tower bases on all proposed channel alterations in the future. Fish culvert installations should pass fish at all water levels - Mike



23 March 78

Spur (5421)

On the built part of the road we looked
stream that we found to be a fish stream.
hocked One Dolly Varden (3½") 150' above
oad.

It appeared that the stream channel
een changed to allow a shorter culvert to
sed. The stream now runs in a ditch along
the road for 75'-100', before passing through
vert that does not pass fish at present water levels.
Upstream the stream is 6'-10' wide, 6"-12" deep, with
ck, gravel & sand substrate. There is good habitat
0'-175' above the road. Above this it gets steep.
eam there is excellent habitat.

We flagged the stream with Blue & White
flaggings alongside the road.

he stream is between the rockpit at the end
road and a large rockpit on top of a hill by
. There is a cutting unit boundry along the
above the road. We were on foot and could
w R.P. stakes to get the exact location.

Date: (3/24/78

Fish Stream Survey Report

Camp THORNE BAY Stream Name(ID) _____

Road# SUPP. E-3 SUPP. E-3-1 Station# 0+00 → 3+55 → 60+25 21+45 Unit# _____ RP# _____

Quad Map CRAIG D-3 CRAIG D-4 Section 21 Chick Map _____ Section _____

Fish Present SEE SUPPLEMENT Yes ✓ No _____

Above Road Crossing	_____	_____
Below Road Crossing	_____	_____
Within Unit Boundary	_____	_____
Below Unit Boundary	_____	_____

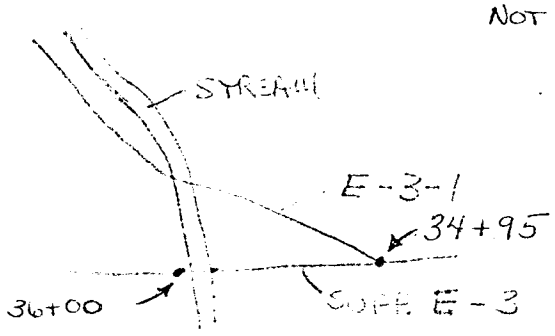
Species Present/Stage of Development _____

Type of Fish Habitat SEE SUPPLEMENT

Salmon Spawning Area _____ sq yds Describe _____
Salmon Rearing Area _____ sq yds Describe _____
Other _____ Area _____ sq yds Describe _____

Stream Sketch or Map: Attach supplement if necessary:

NOT TO SCALE



Method(s) used to determine presence of fish:

Date	#Fish	Approx Length	Gear	Length of Time Fished	STREAM No.
3/22	1 CUTTHROAT/RAINBOW	3"	SHOCKER	—	#4
3/22	1 CUTTHROAT/RAINBOW	1½"	SHOCKER	—	#4

Is future fish habitat enhancement possible? Yes_____ No ✓
If yes Describe:

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

Pertinent Wildlife Information:

Comments:
SEE SUPPLEMENT

Survey Crew Members: Signature Date
Laura A. Molf 3/24/78

Report Reviewed By Mike Novy (Signature) Forester (Title) 3/24/78 (Date)

Recommendations:
Hard to assess impact without field recon - but believe we should incorporate road location change if possible - In any case all road clearing debris must be kept out of the creek. Leave as much undisturbed material between road and creek as possible. Recommend fish passage Mike

THORNE BAY

22 MARCH 1978

STREAM #4 (LPK: 36+00)

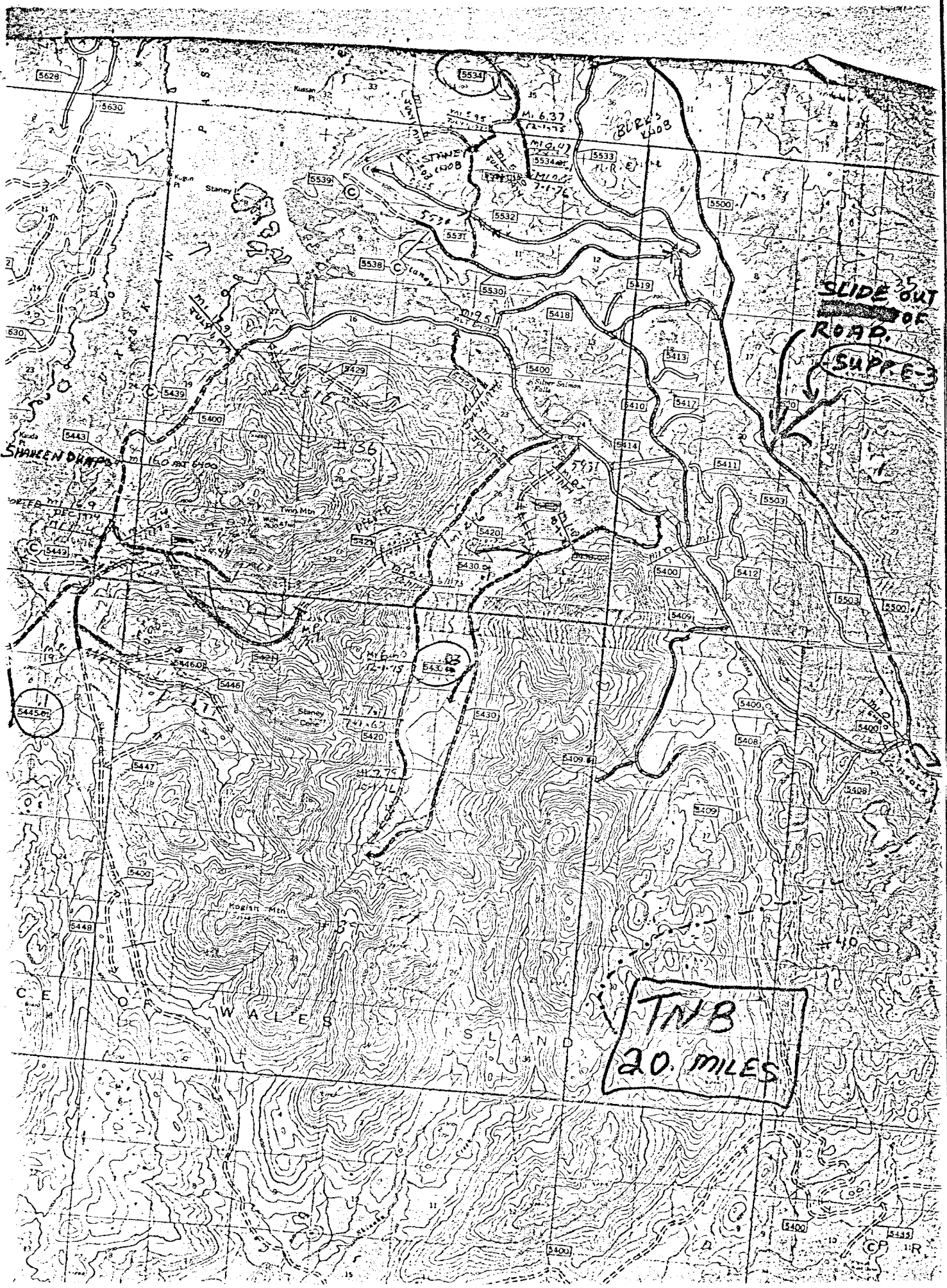
THIS STREAM IS 3-4' WIDE AND 4-8" DEEP. THE GRADIENT IS FAIRLY STEEP. POOLS AND UNDERCUT BANKS WERE PRESENT AND A SAND/GRAVEL SUBSTRATE.

TWO FISH WERE SHOCKED:

75' FROM MAIN SPUR 1 CUTTHROAT/RAINBOW 3", AND

100' FROM MAIN SPUR 1 CUTTHROAT/RAINBOW 1½".

SUPPLEMENT E-3-1 CROSSES THIS STREAM 150' ABOVE POINT OF CROSSING OF MAIN SPUR. THE ROAD THEN PARALLELS THE STREAM FOR APPROXIMATELY 500' (SEE SKETCH ON SURVEY REPORT.) RECOMMEND MOVING ROAD E-3-1 SUPP. SO IT DOES NOT CROSS STREAM #4, OR CHANGE THE ANGLE OF CROSSING SO THE ROAD DOES NOT PARALLEL THE STREAM



SLIDE OUT OF ROAD.
SUPP. E-3
TNB
20. MILES
Staney
Kugun Pt
Kussan Pt
Kauda Pt
Twin Mtn
Kogish Mtn
Silver Salmon Falls
Staney Cone
WALES
ISLAND