ADFG
S.O.
Helmuth
Florence

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FISH STREAM SURVEY FIELD REPORT

Date: 8/3/82

V.C.U.: 561

Camp: PORT ALICE
APPROX 1000 FT. NORTH OF 103-90-048

Unit: DOCK SALE (INDEPEND.)

Stream Catalogue #: NOT LISTED

Road: 5928

Quad Map: CRAIG D-5

T 70S R 77E Sect 14/15

SPECIES PRESENT	STAGE OF DEVELOPMENT
Dolly VARDEN	ADULTS & 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:	X	
Below Road Crossing:	X	
Within Unit Boundary:	X	
Below Unit Boundary:	X	

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

Stream No.#:	1	2	2A	3	
(°F) Temp.:	8°C	8°C	8°C	8°C	
(Ft.) Length	1100	352	102	350	
(Ft.) Width	10	8	3	8	
(In.) Depth	18	8	6	12	

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Methods used to determine presence of fish:

Stream #	Date	#Fish	Species	Length	Gear	Time
#1	8/2/82	6	DOLLY VARDEN	1 TO 5 IN.	ELECTROSHOCKER	15 MIN.
#2	8/3/82	10	DOLLY VARDEN	1 TO 4 IN.	OBSERVED	—
#2-A	8/3/82	3	DOLLY VARDEN	1 TO 4 IN	OBSERVED	—
#3	8/3/82	2	DOLLY VARDEN	2" + 3½ IN.	SHOCKER	10 MIN

Pertinent Wildlife Information: DEER SIGN OBSERVED ALONGS CREEKS #1 AND #3.

Comments: WATERSHED IS CAMP WATER SUPPLY. ANADROMOUS DOLLY VARDEN SPAWNING/REARING HABITAT DUE TO LACK OF BARRIER FROM SHOT WATER.

Survey Crew Members:	Signature	Date
RUSS STEWART		
JIM GRUBER	James D. Gruber	8/3/82

Report Reviewed By: Robert Metzger — Signature; Fish Biol — Title; 8/19/82 — Date

Recommendations:

See attached sheets (2) for site specific prescriptions for streams 1, 2, 2-A and 3.

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PORT ALICE
DOCK SALE (INDEPENDENT)
5928 ROAD
8/6/82

STREAM #1

THIS STREAM IS APPROX. 8 TO 10 FT. WIDE AND SOME 12 TO 18 IN. DEEP WITH A MUD/SAND/GRAVEL SUBSTRATE AT AN AVERAGE GRADIENT OF APPROX. 2%. 6 DOLLY VARDEN WERE SHOCKED (1 TO 5 IN. LENGTH). STREAM SHOULD BE CONSIDERED ANADROMOUS SPAWNING AND REARING HABITAT DUE TO LACK OF BARRIERS FROM SALTWATER. STREAM IS ALSO PORT ALICE CAMP WATER SUPPLY. STR. #1 WAS FLAGGED BLUE/WHITE FOR 945 FT (ST. 1+55 TO ST. 11+00) AS A PRIMARY STREAM COURSE AND WAS TAGGED AT 5928 ROAD CROSSING. SOIL SCIENTIST INPUT REQUESTED TO DETERMINE STABILITY OF STREAM COURSE AND STREAM BANKS. STR. WAS ALSO FLAGGED ORANGE/WHITE FOR 155 FT. (ST. 0+00 TO ST. 1+55) FOR SECONDARY STREAM COURSE PROTECTION (WATER QUALITY) ORIGIN OF STREAM IS SPRING AT STATION 0+00 OF STR. TRAVERSE (U.T. 17+15)

STREAM # 2

THIS STREAM IS APPROX. 6 TO 8 FT. WIDE AND SOME 6 TO 8 IN. DEEP WITH A MUD/SAND/GRAVEL SUBSTRATE AT AN AVERAGE GRADIENT OF 2%. 5 DOLLY VARDEN WHERE SHOCKED FROM 1 TO 4 IN. IN LENGTH. STREAM WAS TAGGED AT JUNCTION WITH STREAM #1 (ST. 8+75 STR. #1 TRAVERSE) AND FLAGGED BLUE/WHITE TO UNIT BOUNDARY (U.T. 3+10) AS A PRIMARY STREAM COURSE. STREAM SHOULD BE CONSIDERED ANADROMOUS DOLLY VARDEN SPAWNING AND REARING HABITAT.

STREAM # 2-A

THIS STREAM IS APPROX. 2 TO 3 FT. WIDE AND SOME 6 IN. DEEP WITH A MUD/SAND SUBSTRATE AT AN AVERAGE GRADIENT OF 2%. SEVERAL DOLLY VARDEN WERE OBSERVED (1 TO 4 IN. LENGTH). STREAM WAS TAGGED AT 592'± ROAD CROSSING AND FLAGGED BLUE/WHITE FOR 102 FT. TO UNIT BOUNDARY (U.T. 1+00) FOR PRIMARY STREAM COURSE PROTECTION. STREAM COURSE SHOULD BE CONSIDERED EXCELLENT REARING HABITAT (TRIB. TO STR. #2).

STREAM # 3

THIS STREAM IS APPROX. 6 TO 8 FT. WIDE AND SOME 6 TO 12 IN. DEEP WITH A MUD/SAND SUBSTRATE AT AN AVERAGE GRADIENT OF 2%. SEVERAL DOLLY VARDEN FRY WERE OBSERVED. STREAM WAS TAGGED AT JUNCTION WITH STREAM # 1 (ST. 5+40 STR. # 1 TRAVERSE) AND FLAGGED BLUE/WHITE FOR 350 FT. TO UNIT BOUNDARY (U.T. 26+18). THIS STREAM SHOULD BE CONSIDERED EXCELLENT REARING HABITAT.

TIMBER HARVEST - INDEPENDENT

UNIT # Dock Sale STREAM # 1,2,2-A,

ROAD # _____ STATION # _____

Primary Stream Course Protection (Blue/White Flagging)
Fisheries Habitat and/or Chronically Unstable Stream Courses

The following fish stream protection prescriptions and recommendations apply. (Special Provisions B 6.5 and C 6.51)

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

X 2. No limbing of timber inadvertently felled into stream course (to include windthrow). Yard timber in lengths to maximize lift. (This will require a written waiver to permit bucking in the stream course.).

X 3. Immediate removal of any debris introduced into stream course (to include felled trees which are marked for removal) during timber harvest. Deposit debris in a stable location above high water mark.

___ 4. Windthrow and/or felled trees impacting stream course will be marked for "leave" and "take" timber.

___ a. Timber (to include rootwads) marked with blue ribbon should be removed in a manner to protect the integrity the stream course as much as possible.

___ b. Timber (to include rootwads) marked with yellow ribbon shall be left in place or will require special consideration (waiver) prior to removal.

___ 5. Time timber harvest (to include windthrow) within 200 feet of spawning area of stream courses to avoid adverse impact to salmonid redds and/or pre-emergent fry. (Optimum time for harvest: approximately April 15 to August 15.).

X 6. Hazard (leaning) trees along stream course shall be identified and marked by Sales Administrator and felled concurrent with yarding.

X 7. Split the yarding along stream courses or full suspension of timber and/or products over protected streamcourses.

X 8. Protected primary stream courses within timber harvest unit are traversed for inclusion on sales release map.

X 9. Recommend input from Wildlife, Soil Scientist, and/or Hydrologist.

Additional Comments: SOIL SCIENTIST INPUT MAYBE REQUIRED

TIMBER HARVEST - INDEPENDENT

UNIT # Dock Sale STREAM # 1

ROAD # _____ STATION # 0+00 To 1+55

Secondary Stream Course Protection (Orange/White Flagging)
"Non-sports" resident fish habitat and/or
Soils/Water Quality Protection to Include 'V' Notches

The following fish stream/stream courses protection prescriptions and recommendations apply. (Special Provisions B6.5 and C 6.51)

X 1. Directional falling away from streamcourses in so far as practical, - if not; fall to bridge stream course. Trees felled to bridge stream course will be yarded same season as cut.

X 2. Timber felled to bridge stream course will be yarded "tree length" from stream course, if feasible. No bucking and/or limbing of timber suspended over stream course (to include windthrow).

X 3. In so far as practical, timber shall be yarded away from stream courses.

X 4. Full suspension of timber yarded across protected stream courses.

X 5. Remove debris introduced during timber harvest which will restrict natural water flow, affect water quality and/or have potential for debris flow before yarder leaves unit or upon completion of seasonal logging activities, whichever comes first.

X 6. Protected secondary stream courses within timber harvest unit have been traversed for inclusion on sale release map.

X 7. Recommend input from Wildlife Soil Scientist, and/or Hydrologist.

Additional Comments: SOIL SCIENTIST INPUT REQUESTED.

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UNIT TRAVERSE

SALE NAME Dock Sale — STR. ~~UNIT~~ 2A

CREW [illegible] / R. [illegible] — DATE [illegible]

WEATHER Part. Cloudy — MAG — TRUE

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STA	SLOPE DIST.	% SLOPE	° BER FS	RB. ~~BS~~	LB.	REMARKS
0+00		2%	164°	3%	8%	Junct. w/ Str. 2. St. 1+44
	102					
1+02		2%	168°	5%	5%	Spur 2d End Survey
						End Hwy.
						U.T. 1+00

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UNIT TRAVERSE

SALE NAME Dock Sale — STR. ~~UNIT~~ #2

CREW J. [illegible] / R. [illegible] — DATE 8/3/82

WEATHER [illegible] — MAG — TRUE

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STA	SLOPE DIST.	% SLOPE	° BER	RB ~~BS~~	LB.	REMARKS
0+00		2%	226°	6%	4%	Junct. w/ Str. 1
	93					St. 8+75
0+93		2%	228°	5%	7%	8°C
	91					8°C
1+84		2%	232°	5%	7%	[illegible]
	128					
3+12		2%	202°	3%	8%	
	40					
3+52		2%	268°	8%	10%	U.T. 3+10 End Trav

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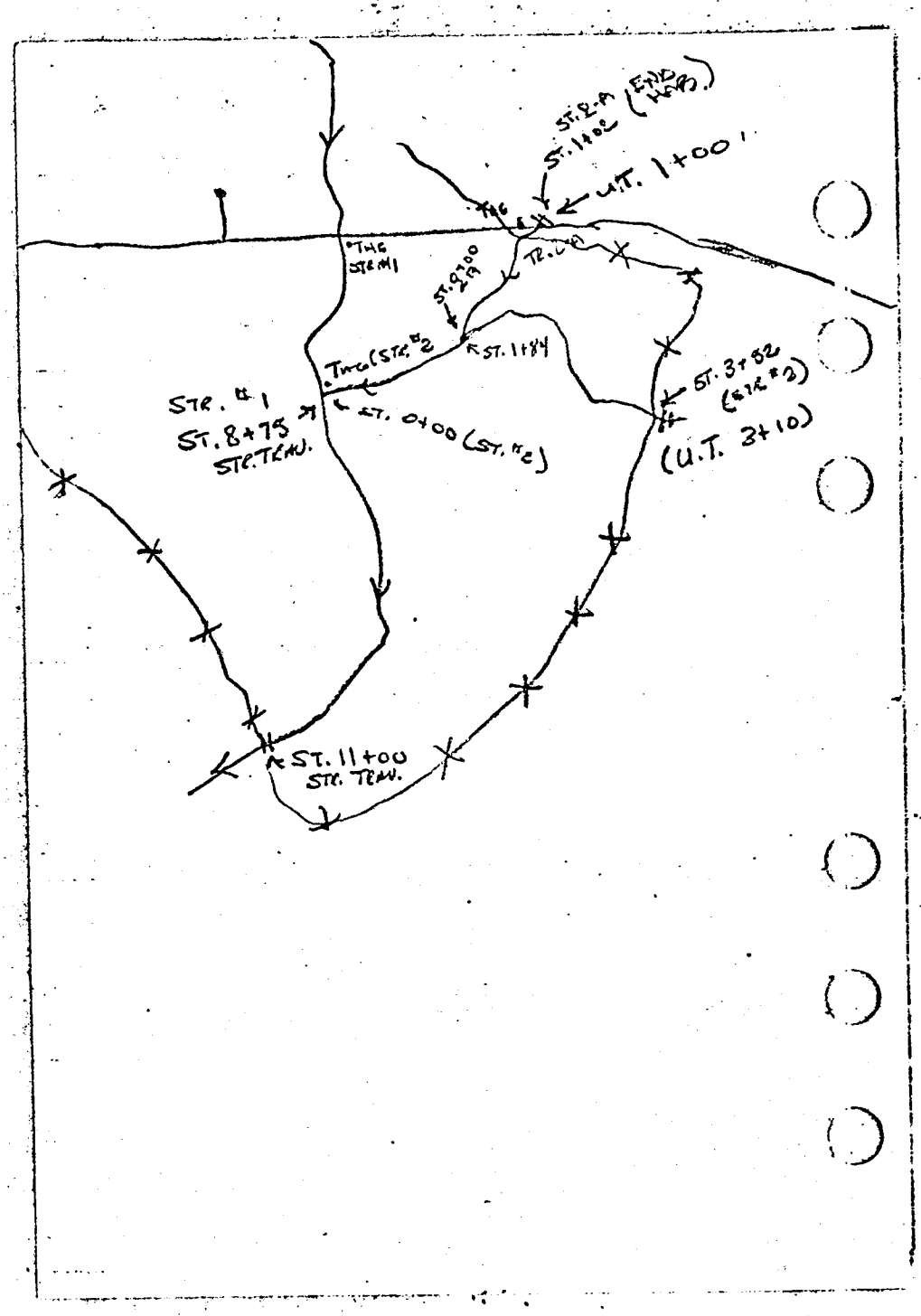

ST. 2-A (END HAB.)
ST. 1+02
U.T. 1+00
THE STR. #1
ST. 0+00
ST. 1+84
THE (STR. #2
STR. #1
ST. 8+75
STR. TRAV.
ST. 0+00 (ST. #2)
ST. 3+52
(STR. #2)
(U.T. 3+10)
ST. 11+00
STR. TRAV.

UNIT TRAVERSE

SALE NAME Dock Sale — STR. ~~UNIT~~ #3

CREW J. Gruber / R. Stewart — DATE 8/3/82

WEATHER Part Cloudy — MAG — TRUE

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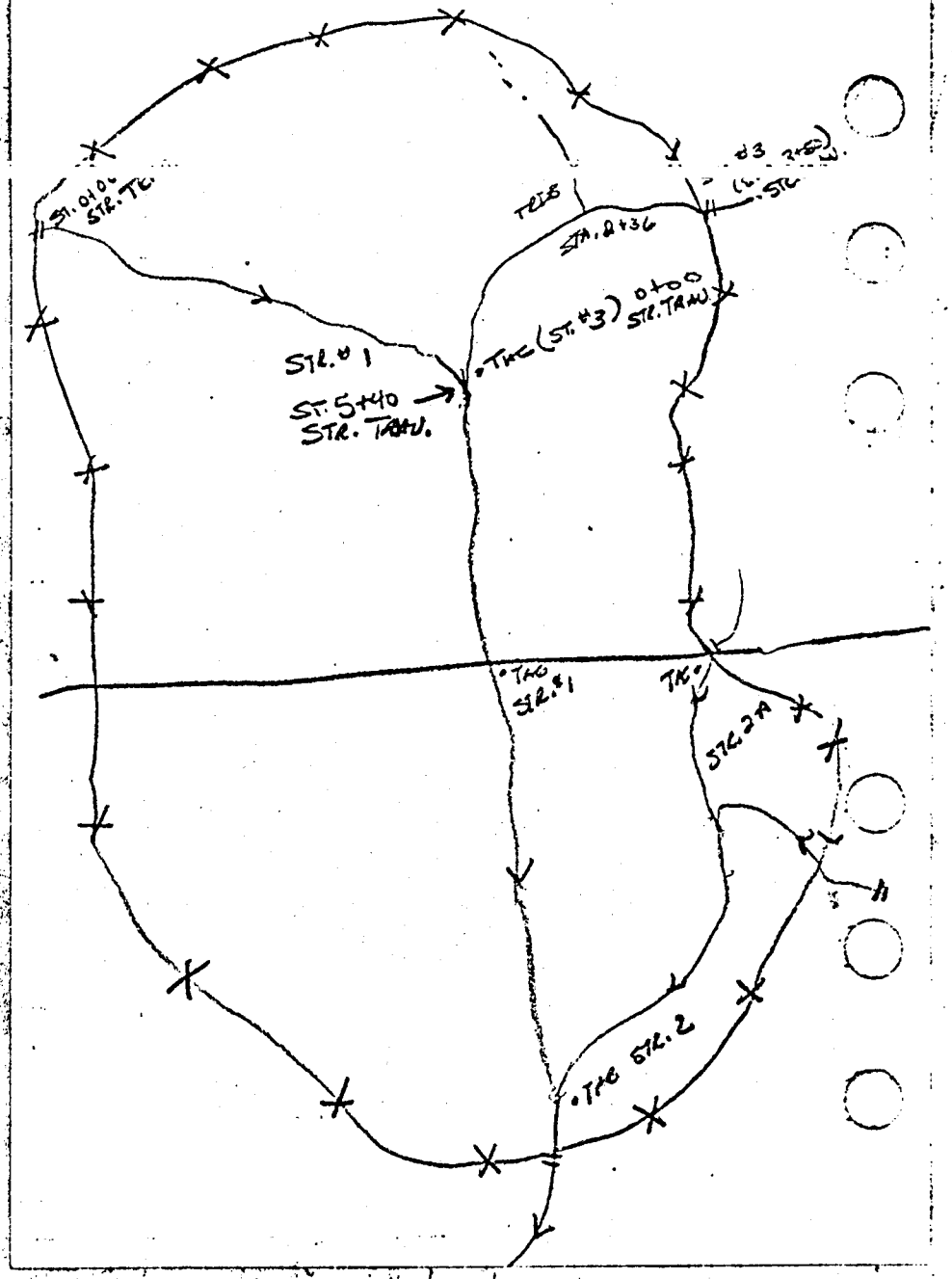
STA	SLOPE DIST	% SLOPE	° BER FS	RB FS	LB FS	REMARKS
0+00		2%	200°	3%	5%	JUNCT. W/STR 1 (STR. 5+40)
	54					
1+54		2%	234°	7%	3%	
	82					
2+36		2%	230°	3%	3%	TRIB. ON L.S. (STR. 8-A)
	114					
3+50		2%	270°	3%	3%	JUNCT. W U.T. OTHER END SURVEY UNIT BOUND.



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