cc Jim Lincoln
Paul Harrington
Fish & Game

Date: 6/11/79

Fish Stream Survey Report

#'s 7 thru 13

Camp Waterfall

Stream Name (ID) 103-50-051 ~~103-50-053~~

Road# _____ Station# _____ Unit# _____ RP# _____

Quad Map CRAIG B-4 Section _____ Chick Map _____ Section _____

Fish Present Yes X No _____

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

Species Present/Stage of Development Coho fry, Coho smolts, Dolly Varden, Sculpins

Type of Fish Habitat Good to excellent Salmon & Resident Spawning & Rearing habitat

Salmon Spawning Area X sq yds Describe _____

Salmon Rearing Area X sq yds Describe _____

Other X Area _____ sq yds Describe _____

DOLLY VARDEN

Stream Sketch or Map: Attach supplement if necessary:

See attached supplement(s)

Method(s) used to determine presence of fish:

Stream #	Date	#Fish	Approx Length	Gear	Length of Time Fished
7	6/11	6-COHO	1-1½"	Shocker	5 min.
		1-DV	3"	"	"
8	6/12	4-COHO	1"	"	"
		6-DV	2½-3"	"	"
		1-DV	4"	"	"
		1-Sculpin	4"	"	"
			Over		

Stream #	Date	Fish	Approx Length	Gear	Length of time fished
9	6/12	4 - COHO	1-1½"	Shocker	5 min
		1 - D.V.	3"	"	"
		3 - Sculpin	2"	"	"
10	6/12	5 - COHO	1-1½"	"	"
		1 - DV	3"	"	"
		Sculpin			
11	6/12	5 - COHO	1-1½"	"	"
12	6/12	6 - COHO	1-1½"	"	"
13	6/12	10 - COHO	1-1½"	"	"

CATALOGED ADF&G FISH STREAM

Is future fish habitat enhancement possible? Yes _____ No X
If yes Describe:

Mouth of stream.

~~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: Deer/Bear trails & sign.

Comments: See supplement

Survey Crew Members:	Signature	Date
R. COREY	R. Corey	6/15/79
G. Hopper	Glenn Hopper	

Report Reviewed By Michael E. Navy (Signature) Wildlife Bio (Title) 7-5-79 (Date)

Recommendations: See attached pages. These surveys are preliminary in nature and are intended for planning purposes only. Additional detailed surveys will be necessary once road locations and unit boundaries are determined

6/11/79

Stream # 7 & trib. # 7-A

This stream is 2-3 ft. wide, 3-6 inches deep with a bedrock/rock/gravel substrate, temp. 51°F at mouth, stream gradient 2-4%. Double flagged blue-white stripe approx. 3000' upstream, end of survey, but not end of habitat. Trib # 7-A was approx. 2000' upstream & was double flagged blue-white approx. 300' where the gradient went to 20-25%, end of habitat. Tagged at mouth.

Stream # 8

This stream is 5-8 ft. wide, 3-10 inches deep, pools 30 inches deep. 30-40 COHO fry were observed at mouth. Substrate consisted of sand/gravel/rock & bedrock. Some fall-blow/down across stream. Double flagged blue-white approx. 1000 ft. upstream at probable fish barrier. Stream gradient 12-18%. Double flagged orange-white stripe approx 3-400' up from 1000' upstream, end of survey, but not habitat. Tagged at mouth.

Stream # 9

This stream is 2-3 ft. wide 4-6 inches deep, gravel/rock/bedrock substrate. Double flagged blue-white stripe approx 6-700' upstream, end of survey, but not end of habitat. Temperature 47°F. Tagged at mouth.

Stream # 10

This stream is 1-5 ft. wide, 2-6 inches deep with a bedrock/rock/gravel substrate. Double flagged blue-white approx. 300' upstream. Habitat ends at

Stream #11

This stream is 1-3 ft. wide, 2-6 inches deep, with a bedrock/gravel substrate. Double flagged blue-white to end of habitat where stream gradient goes to 20-25% approx. 3-400 ft up-stream. Temperature 47°F, Tagged at mouth.

Stream #12

This stream is 3-4 ft. wide, 2-5 inches deep, with rock/gravel/sand substrate. Double flagged blue-white approx. 3-400' upstream where stream gradient goes to 20-25%, end of habitat. Tagged at mouth.

Stream #13 (Cataloged stream)

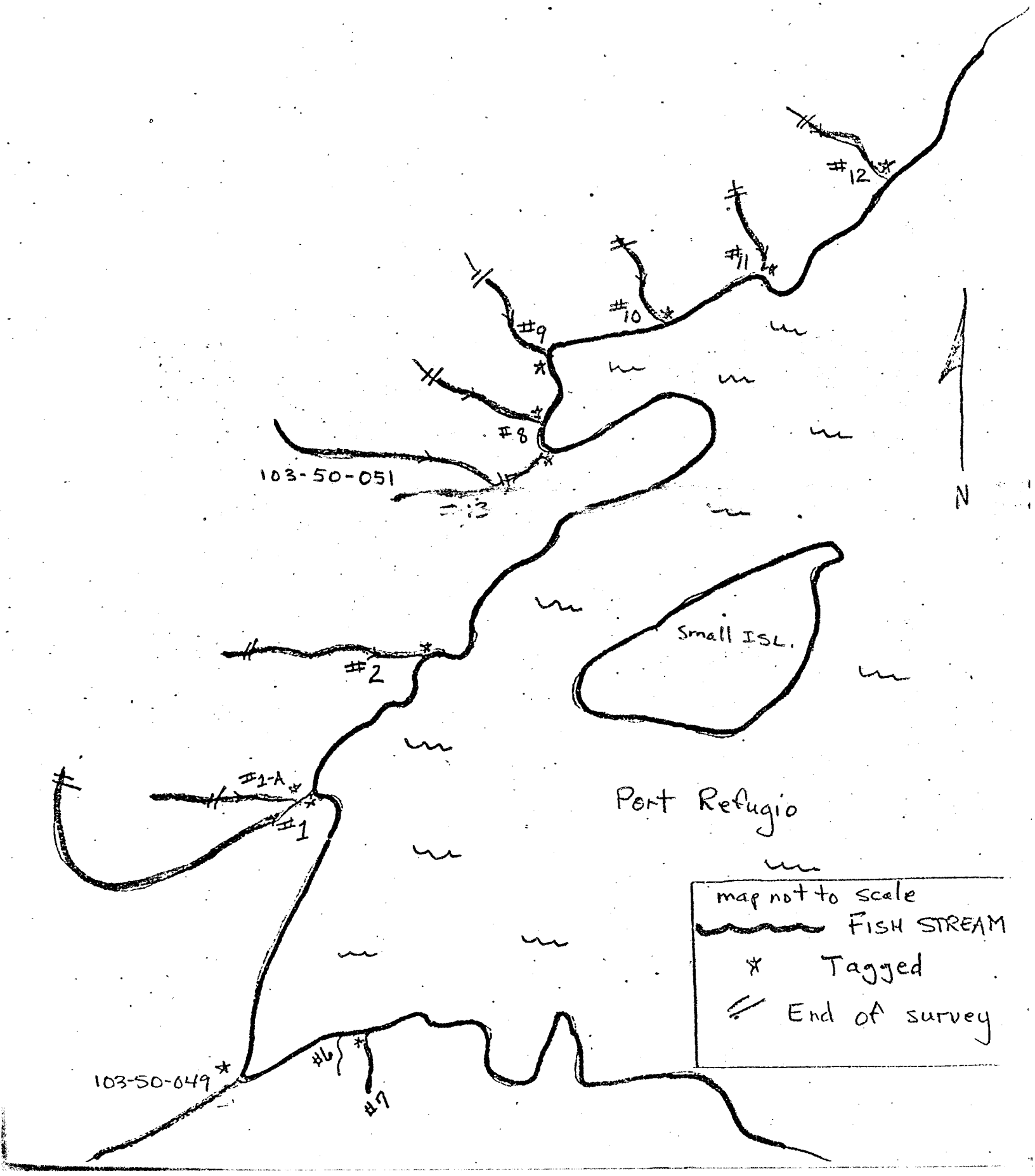
This stream is 4-15 ft. wide, 8-30 inches deep, with a bedrock/rock/gravel substrate. Double flagged blue-white approx. 4-500 ft. up-stream, end of survey but not habitat. Tagged at mouth.

Comments

Streams 7 thru 12 were found to have good to excellent Salmon/Resident spawning, and rearing habitat. Stream no. 13 is a cataloged ADF&G FISH STREAM. Deer/Bear trails & sign all along streams. Three newly cut spruce stumps were sighted by streams # 8, 9, & 13.

RECOMMENDATION(S) Streams 7 through 13

Directional falling to include lining if necessary. Forty eight hour cleanup of introduced logging and road building debris. Yarding away (1st preference) or full suspension over the stream(s). Time operations to avoid spawning fish in the creeks or deposition of silt on redds. Only one stream crossing for project. Fish passage required concurrent with logging.

SUEMEZ ISLAND

FISH Streams 1,2,4, & 8 thru 13