FRED ZEIGWER GERRY WEINER
MARK UNO TASSELL
A.D.F.&G

Date: 10/2/79

☆ DCS

Fish Stream Survey Report

Camp 1/2 Way House Stream Name(ID) 103-90-029

Road# _____ Station# _____ Unit# 44-68 RP# _____

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

Fish Present Yes X No _____

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

Species Present/Stage of Development Dolly Varden : juvenile & Adult

Type of Fish Habitat

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

Stream Sketch or Map: Attach supplement if necessary:

See supplement

Method(s) used to determine presence of fish: Shocker

Date	#Fish	Approx Length	Gear	Length of Time Fished
10/1/79	1 Dolly Varden 3"		Shocker	10 min
Stream #2	2 Dolly Varden 4"		↓	↓
	1 Dolly Varden 1"			

Is future fish habitat enhancement possible? Yes _____ No X
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~~ orange 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:

Heavy Deer useage

Comments:
There is only 150' of fish habitate in the unit due to the slope but the streams and drainages should all have the water quality maintained. This unit is a salvage sale to collect blowdown in Southern and Northeast portion of the unit.

Survey Crew Members: Signature Date

Jim McCullough [signature] 10/2/79
Tom Staples [signature] 10/2/79

Report Reviewed By [signature] FISH. TECH. 10/22/79
Signature Title Date

Recommendations: SEE ATTACHED SOILS SURVEY REPORT 9/20/79 FOR RECOMMENDATIONS ON WATER QUALITY PROTECTION.

STR. #2

1.) FALLING + YARDING AWAY FROM STREAM
2.) NO BUCKING OR LIMBING IN CREEK
3.) CHUNK CLEANING OF ORANGE/WHITE FLAGGED PORTION OF STR. #2.

Unit 44-68

Description

<u>stream #3</u> at Unit Boundary traverse station 2+90
The stream is 1' to 2' wide, 1" to 4" deep with 1' deep pools. The substrate is rock/gravel and the gradient is 30+ %. No fish were found in this stream within the unit.

<u>stream #2</u> at Unit Boundary traverse station 44+85
The stream is 2' to 3' wide, 2" to 6" deep with 1' to 1½' deep pools. The substrate is rock/gravel in the lower portion and bedrock/rock in upper portions of the stream. The gradient is 20% in the lower 200' of the stream and becomes 30+ % above the fish habitat area then again becomes 10+% in the upper portion. The stream has 15' to 20' banks and has developed a V-notch in the lower portion. Dolly Varden were found in the lower 150' of the stream. Lower 150' of the stream flagged orange/white and tagged at the lower unit boundary. The stream has trout rearing habitat in the lower 150'.

Recommendations:

All drainages must have water quality protection

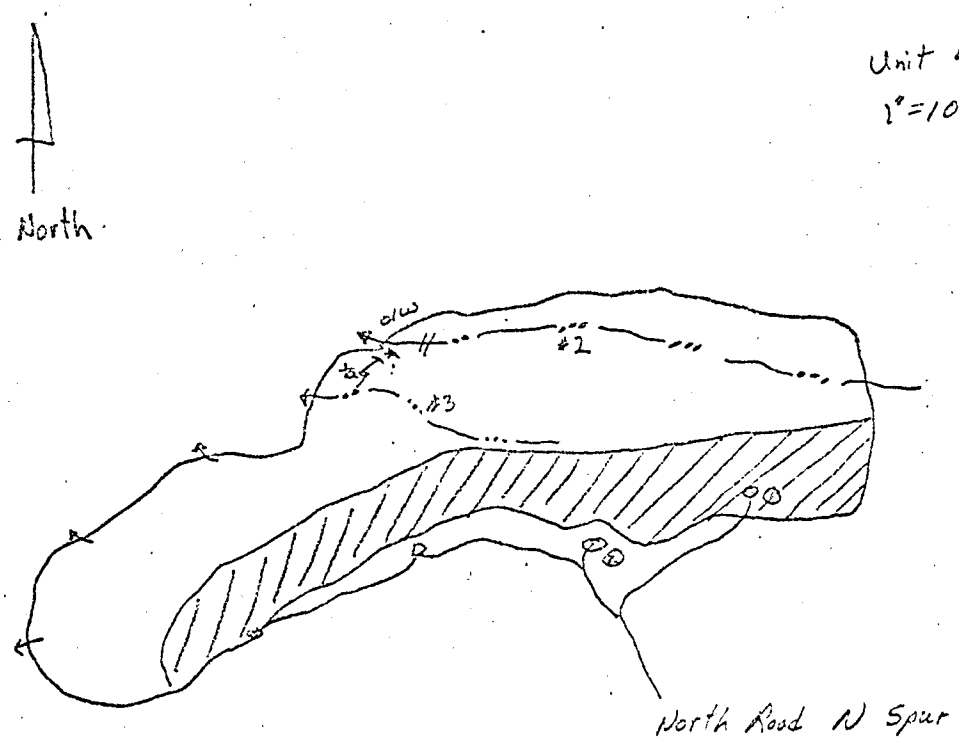
stream #3 at 2+90

Directional falling away from the stream, no bucking or limbing in the stream.

stream #2 at 44+85

Directional falling away from the stream, no bucking or limbing in the stream. Chunk Cleaning of orange/white flagged portion of the stream and water quality protection of the remaining portion of the stream.

Unit 44-68
1" = 1000'



o Landings
//// Full Suspension Required
←--- Protected streams
← Drainage

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

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REPLY TO: 2550 Soil Surveys
2430 Commercial Timber Sales

SUBJECT: Feasibility of Logging Unit 44-68

TO: Mark Van Tassel

On September 20, 1979, I reconned proposed Timber Unit 44-68 with Mark Van Tassel, Mike Novy, John Short, Kathy Lucich, and Jim Jones.

Topography

The unit boundary extends from limestone cliffs at the top of the unit, down along a concave sideslope below the cliffs, to gentle terrain with several small streams at the bottom. Slopes range from nearly vertical limestone cliffs and 100 percent slopes on the upper sideslopes just below the cliffs, to gentle slopes near the bottom of the unit.

Soils

The upper sideslopes are comprised primarily of shallow, well drained soils, underlain by limestone (Sarkar series) with a lot of limestone colluvium mixed in. The mid and lower sideslopes are mostly moderately deep, well drained soils, underlain by reddish brown noncalcereous mudstone. Most of the blowdown has occurred on the shallower soils over the mudstone.

Discussion/Recommendations

From the three slope profiles that have been run, full suspension of logs yarded to landings on top is possible. Due to the extremely steep slopes below the limestone cliffs, we should require full suspension in yarding. There is evidence of active soil creep (pistol butted trees), talus material, and small incipient drainages associated with a probable slump area. Due to these observations, this slope should be protected by limiting logging impacts.

There is a small stream running east-west at the bottom of the unit that should get partial suspension in places. This stream will not need partial suspension where it is in flat terrain, but will need it where the stream has a well defined channel between sloping streambanks.

Gerald E. Weiner

GERALD E. WEINER
Soil Scientist