cc Fred Zeigler
Mark VanTassel
Fish & Game

Date: 5-17-79

Fish Stream Survey Report

103-9C-030

Camp 1/2 way house

Stream Name(ID) #26

Road# Nankati-Tie Station# _____

Unit# Lake Holmgren RP# _____

one of three reports on unit

Quad Map 5650 Craig D4 Section 8 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 Cutthroat, Dolly Varden Coho Fry

Type of Fish Habitat

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

Stream Sketch or Map: Attach supplement if necessary:

see supplement

Method(s) used to determine presence of fish:

Stream #2 Date	#Fish	Approx Length	Gear	Length of Time Fishe
5-16-79	1 Cutthroat	2.0 inches	Shocker	15 min
	5 Cutthroat	1.5 inches		
	1 Dolly Varden	3.0 inches		
	1 Dolly Varden	2.0 inches		
	1 Cutthroat	4.0 inches		
	1 Dolly Varden	1.0 inch		
	1 Coho	3.0 inches		
	3 Coho	2.0 inches		
	2 Coho	1.0 inches		

Is future fish habitat enhancement possible? Yes X No ____
If yes Describe:
Blowdown should be removed - see supplement

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

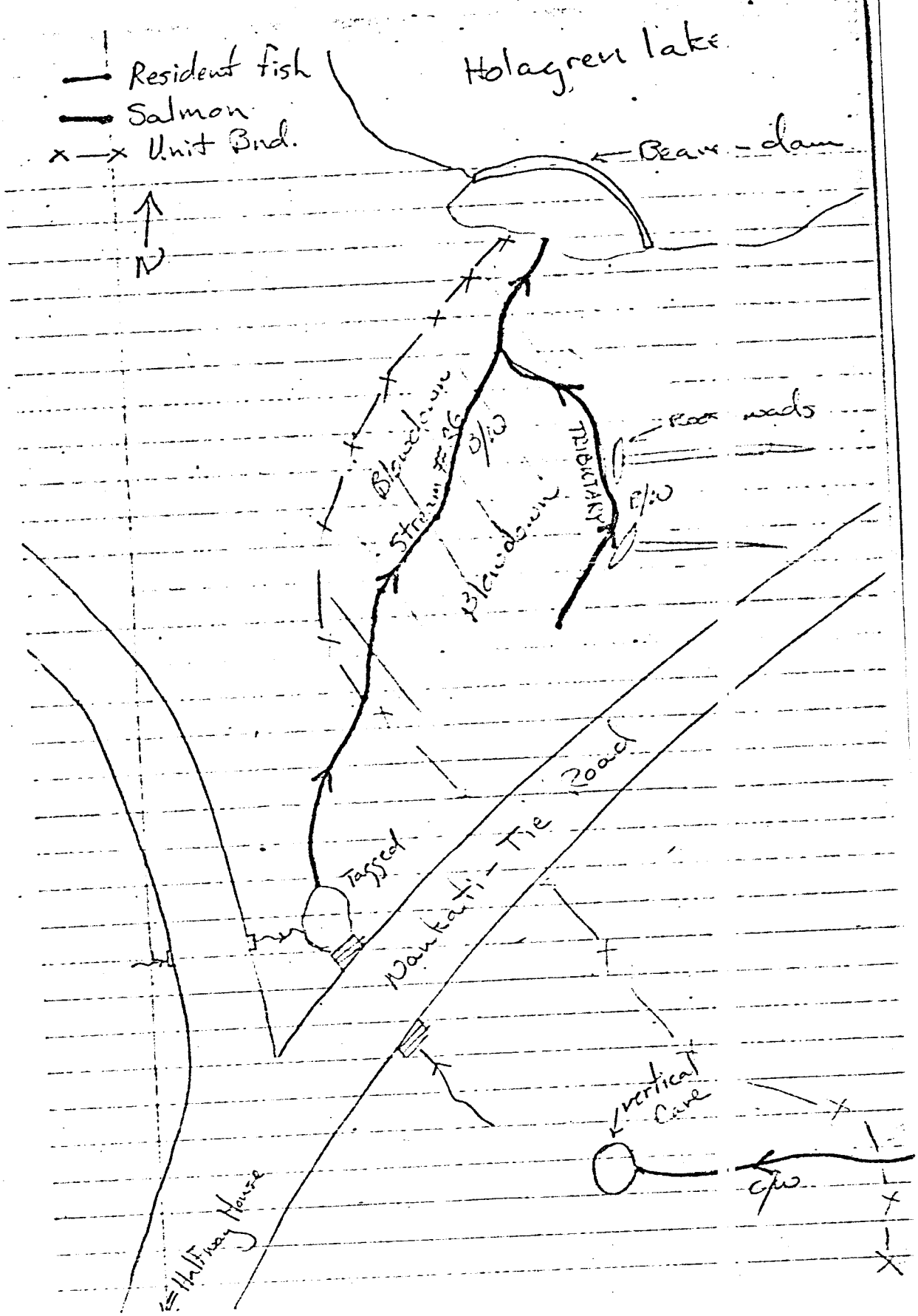
Pertinent Wildlife Information: Beaver ponds at mouth of stream & Holmgren Lake.

Comments:
See supplement - See Gruber's and Corey's 4-30-79 4-27-79 fisheries surveys for additional information & Recommendation concerning the Lake Holmgren Blowdown unit

Survey Crew Members:	Signature	Date
Mick Corey	Mick Corey	5-17-79
Glenna Hopper	Glenna Hopper	5-17-79

Report Reviewed By Michael E. Navy (Signature) Forester (Title) 5-18-79 (Date)

Recommendations:
See attached sheets for site specific recommendations. Crews are available to mark blowdown to be left in creek. Schedule at your convenience.



Resident fish
Salmon
Unit Bnd.
N
Holagren lake
Beaver dam
Blowdown
Stream #36
B/W
Blowdown
TRIBUTARY
Rock wads
B/W
Tagged
Nankati - Tie Road
vertical Cave
C/W
Halfway House

Holagren lake Blowdown 6-16-7?

Stream #26 Naukati Tie Road

Stream #26 is 3-8 feet wide, 4-
inches deep with 12inch pools. Above
the Naukati Tie Road the stream
flows into a 25 foot vertical
cave before re-emerging above the
road culvert. The stream then
flows into Holagren lake. The
substrate is gravel over bedrock, sand.

Above the vertical cave the
stream is flagged orange/white
to the unit boundary. Below the
Naukati Tie Culvert Coho were
shocked and the stream is flagged
Blue/white. It is tagged on a
stump near the culvert, below the
road.

There is a beaver dam at the
upper end of the lake which this
stream flows through, however,
it does not appear to be a
fish barrier.

A small tributary flows into
stream #26 and Coho were
observed in the lower portion.
It is flagged Blue/white. This
stream is 3-6 inches deep and 1-2
feet wide, with gravel/sand substrate.

There is new blowdown in both
creeks. Both are excellent Coho
rearing streams and possibl spawnin

Stream # 26

Recommendations:

New blowdown should be removed from stream #26 and its tributary below the Waukati-Tie Road. Yarding should be away from the streams if possible. No yarding should be done across these streams unless the logs are fully suspended. No bucking or limbing in the streams if possible. Logging/blowdown debris should be removed by the operator concurrent with logging. Larger debris should be removed concurrent with yarding. Smaller debris should be removed as soon as a hand clean up crew can safely enter the area.

This unit should be looked at again to mark any trees or root wads that should remain. There are several root wads in the tributary that need consideration because of their precarious position.

Above the Vertical Cave & Waukati Tie Road chunk cleaning will be required concurrent with logging operations.

Operations should be timed on the Lake Hongren Blowdown unit to avoid spawning fish in stream(s). Directional falling will be required on standing timber to avoid falling trees in streams, beaver ponds, lake or lake shore. Clean up will be required for any logging debris deposited in these areas.