cc Lea Brady
gary Lybrand
Fish and Game

Date: 8/24/79

Fish Stream Survey Report for reconstruction of 5611 and future extension plans

Camp Naukati Stream Name(ID) Yatuk 103-90-025

Road# 5611 Station# Unit# 45-29 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 Coho - fry & smolt
Dolly Varden - fry & adult Sculpin - fry Rainbow - fry & adult

Type of Fish Habitat

Salmon Spawning Area X sq yds Describe
Salmon Rearing Area X 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
8/22/79	1 Cutthroat	2 1/2"	shocker	30 min.
	1 Sculpin	3."		
	3 Dolly Varden	6"		
	2 Dolly Varden	7"		
	3 Dolly Varden	1"		
	1 Rainbow	4"		
	1 Rainbow	6"		
	10 Coho	2"		
	5 Coho	3"		

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 _____ No X
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 X No _____
If so attached completed fish stream parameter
Data form see comments.

Pertinent Wildlife Information:

heavy deer useage

Comments:

This unit should be checked again once the unit boundary has been established, along stream #1.

Survey Crew Members:	Signature	Date
Glenna Hopper	[signature]	8-23-79
Jim McCullough	[signature]	8/24/79

Report Reviewed By Michael B. Navy (Signature) Wildlife Bio (Title) 8/24/79 (Date)

Recommendations: See attached pages for site specific recommendations. Note culvert replacement at junction of 5600 and 5611. Stream #1 is trib to Yates Creek which is temp sensitive. Drainage has already been cut extensively due to blowdown problems. Leave as much undisturbed veg along stream #1 as possible. Limit amt of clearcut along stream to less than 660' if possible

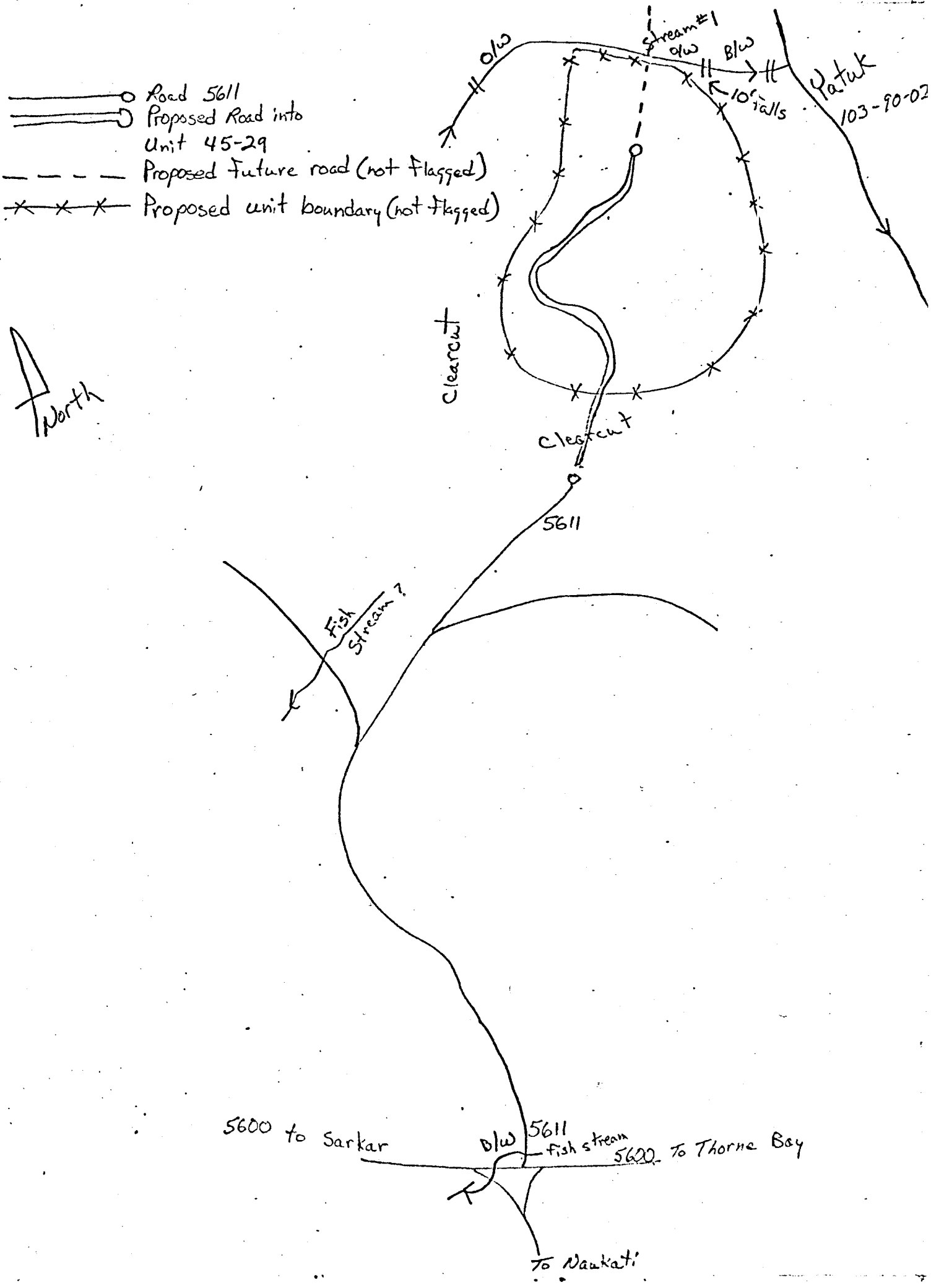
Recommendations:

The stream at the 5611, 5600 road junction should have the culvert replaced, blowdown removed (4 to 6 cedar trees) and prior road building debri removed. This should be incorporated into the plans for the 5611 road reconstructio Fish Passage is required, since this road will remain open for future access the culvert should be metal. No other fish streams were found along the previously built or flagged portions of the 5611 Road. Stream #1 is found approximately 1000 ft. from the last proposed landing in unit 45-29. If a road is built across stream #1 it must receive full protection because of sports fish potential.

* Points out need for a follow-up program DW

Description of stream #1

This stream was looked at during a very low water flow period. The stream is 6' to 8' wide, 6" to 12" deep with 3' pools. During high water flow the stream could be 15' to 20' wide. Substrate consisted of rock/gravel/sand, the gravel being 50+ %. The gradient is 5% to 10%. From Yatuk Creek upstream to a 10' bedrock falls the stream contains Coho smolt and fry, above the falls Dolly Varden, Cutthroat and Rainbow were found. The stream has excellent Coho spawning/rearing habitat from Yatuk Creek to the falls, and excellent trout spawning/rearing habitat from the falls upstream for several thousand feet. The stream was flagged Blue/White from the falls downstream approximately 1000' and Orange/White from the falls upstream approximately 2000' (fish habitat continues beyond the flagged portion of the stream).


Road 5611
Proposed Road into Unit 45-29
Proposed future road (not flagged)
Proposed unit boundary (not flagged)
North
Stream #1
O/W
O/W
B/W
10' falls
Yatuk
103-90-02
Clearcut
Clearcut
5611
Fish Stream ?
5600 to Sarkar
B/W
5611
fish stream
5600 To Thorne Bay
To Naukati

Recommendations:

Stream #1 should receive full protection due to sports Fisheries potential. Split on the creek, 48 hour clean up of any logging or road building debri, one equiptment (poclain) crossing only, direction falling (lining if necessary), no bucking or limbing in the stream.

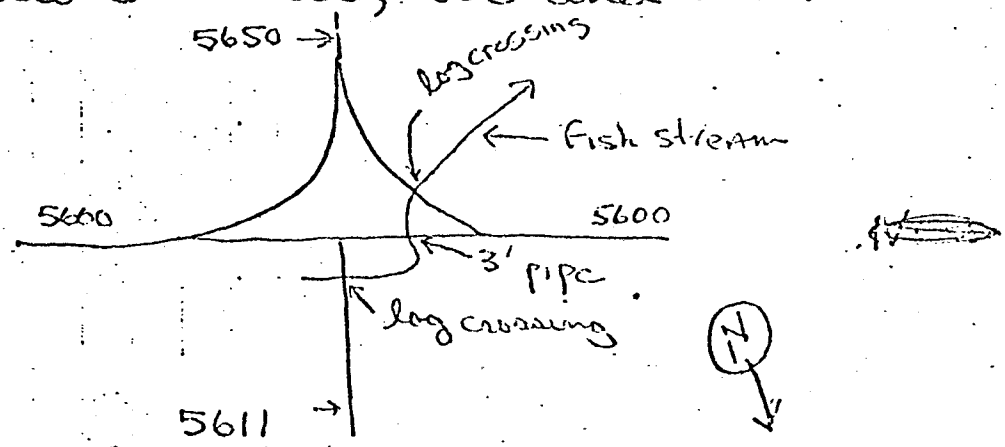
~~It is scheduled to be taken out. When it is, all the depris, slash, and fill that has been knocked into the stream should be removed so the stream will flow properly. Fish passage is required on this stream.~~

~~- no other fish problems found with the company road.~~

Note!

Road 5611 and all its tributaries: no fish problems except at intersection of 5600 and 5650. (See below)

Junctions of 5600, 5650 and 5611:



Good fish stream crosses 30' up on Road 5611 and passes thru the junction. See map above. Caught 12 coho fry and 3 cutthroat fry above 5611 so fish passage is occurring. There are some problems with this first log crossing on 5611 — fill from road 5611 is

getting knocked off the road and into the stream. This has formed a 1' falls thru rock and fill directly below the log crossing on Rd 5611. At the present this isn't blocking fish passage - if fill keeps getting knocked into the stream it may eventually block the stream and cause problems.

The 3' pipe crossing on Rd 5600 was not installed as a fish culvert. It still passes fish thru a 6" falls thru rock and fill at its lower end. Pipe starting to collapse slightly in the middle.

Lower log crossing on 5650 has no problems as far as fish passage is concerned.

Downstream below junction, the stream is 3'-4' wide and 1'-2' deep, slow-moving, lots of undercuts - many coho + cutthroat. Above junction the stream is 3' wide, good pools 6"-12" deep, shallow riffle areas - lots of good fish habitat for greater than 350' above road crossing.

<u>Keep slash and fill out of this stream.</u>

One 60' hemlock has blown across the stream and its crown is laying on ~~[illegible]~~ alongside Rd 5611 - If this tree is removed, make sure it doesn't end up in the stream

~~Road 5600 East of Junction with 5611 and 5650~~
~~Turn parallel with fish culvert?~~