

ADFG

7/1/82

ADFG FILE COPY

Camp: Thorne Bay

Unit: _____

Stream Catalogue #: 102-70-~~078~~

Road: 5202, Sections I, II, III

Quad Map: _____

T _____ R _____ Sect _____

Chick Map: _____

T _____ R _____ Sect _____

SPECIES PRESENT

Cutthroat trout

Dolly Varden

Coho Salmon

STAGE OF DEVELOPMENT

fingerlings, adults (2-7 in.)

fingerlings (2-5 in.)

fry (2 in.), fingerlings (4 in.)

TYPE OF FISH HABITAT

Salmon Rearing	Str. #4	<u>Excellent</u>	Good	<u>Fair</u>	Sq. Yds. _____
Salmon Spawning		<u>Excellent</u>	Good	<u>Fair</u>	Sq. Yds. _____
Resident Rearing	Str. #1	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	Sq. Yds. _____
Resident Spawning		<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	Sq. Yds. _____

Is future fish habitat enhancement possible? YES NO

If so Describe: Remove old beaver dam where Road #5202 intersects beaver pond (see figure/map). This will allow resident fish passage where it is currently restricted.

Fish Present Above Road Crossing:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Below Road Crossing:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Within Unit Boundary:	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Below Unit Boundary:	YES <input type="checkbox"/>	NO <input type="checkbox"/>

Fish stream(s) intersection(s) marked with Metal Tags: Road Yes Unit Yes

Fish stream(s) Flagged: BLUE/WHITE ORANGE/WHITE

Fish streams Traversed: YES NO

Traverse notes Attached: YES NO

Is Additional Parameter Information Necessary? YES NO

If so Describe: _____

STREAM TEMP.: _____

Estimated habitat
by road
Methods used to determine presence of fish:

Stream #	Date	#Fish	Species	Length	Gear	Time
1	7-1-82	12	CT, DV	2-7 in.	Electroshocker	20 min.
2	7-1-82	3	DV	2-3 in.	Electroshocker Minnow trap	20 min. 2.5 hrs.
3	7-1-82	4	DV	2-5 in.	Electroshocker	10 min.
4	7-1-82	6	Coho	2-3 in.	Electroshocker	10 min.
5	7-2-82	1	Coho	4 in.	Electroshocker	10 min.

Several other streams were shocked; no fish were present in these. These non-fish streams are shown on the maps.

Pertinent Wildlife Information: Abundant fresh bear sign; deer sign; several abandoned beaver dams; one active dam where Str. #2 crosses road.
 Comments: Stream #1 parallels Road #5202 for several thousand feet. The lower two stream crossings have partially collapsed bridges and will require repair. Str. #1 crosses the road 3 additional times and will require culvert installation for fish passage at each. Stream #2 will require culvert installation for fish passage at the upper stream crossing and at 2 lower crossings as shown on the map. Stream #4 will require a bridge crossing; the stream channel is $\approx 35'$ wide at the road crossing.

Survey Crew Members:
 Glenn Freeman
 Richard Yarusz

Signature
 Glenn Freeman
 Date
 7/6/82

Report Reviewed By: Richard Ubermaga Fish Bio 7/8/82
 Signature Title Date

Recommendations:

FISH CULVERT SURVEY

Reconstruction
ROAD (CONSTRUCTION) - LONG TERM SALE

Resident Sports Fish Spawning and Rearing Streams
(Orange/White Ribbon)

ROAD # 5202

STREAM(S) # 1,2,3

UNIT # _____

STATION # Sections I, II

The following fish stream protection prescriptions and recommendations apply: based upon quantity and quality of habitat, resistance to alteration and fish habitat management unit objectives.

1. Fish passage required during and after road building activities.
2. Culvert installation required concurrent with rocking.
3. Time road construction/reconstruction of fish passing structures to minimize adverse impact to salmonid redds and preemergent fry, (Optimum time for construction: approximately April 15 to August 15). Construction/reconstruction outside this operating time will require a site assessment by Fisheries Personnel.
4. End haul to prevent sidecast from entering stream course.
5. Right-of-way clearing adjacent to stream course shall follow timber harvest recommendations (see Timber Harvest - resident sports fish spawning and rearing streams).
6. "In Stream" habitat protection assessment will be provided to aid in design of a fish passing structure
7. Spawning gravels at or below road crossings should not be altered by 'In stream' structures.
8. Diversions and channelization of stream courses must be approved by the Forest Supervisor.
9. Limit number of stream crossings to only 1 equipment crossing at each crossing site if feasible.
10. Absolutely no barrow pits in stream course.
11. C.M.P. and/or wooden puncheon culverts required for fish stream crossings. Three log culverts are not authorized.

- 12. When road is "put to bed", the previous integrity of the stream course in terms of gradient and stream bed must be restored.
- 13. Water bars are necessary on long inclines and should be identified by local engineers.
- 14. Blasting is not acceptable for bridge or culvert removal along accessible roads.
- 15. Oil and fuel storage should avoid close proximity to any stream course.

Additional Comments:

Reconstruction
ROAD (CONSTRUCTION) - LONG TERM SALE

Salmon Spawning and Rearing Streams
(Blue/White Ribbon)

ROAD # 5202STREAM(S) # 4, 5

UNIT # _____

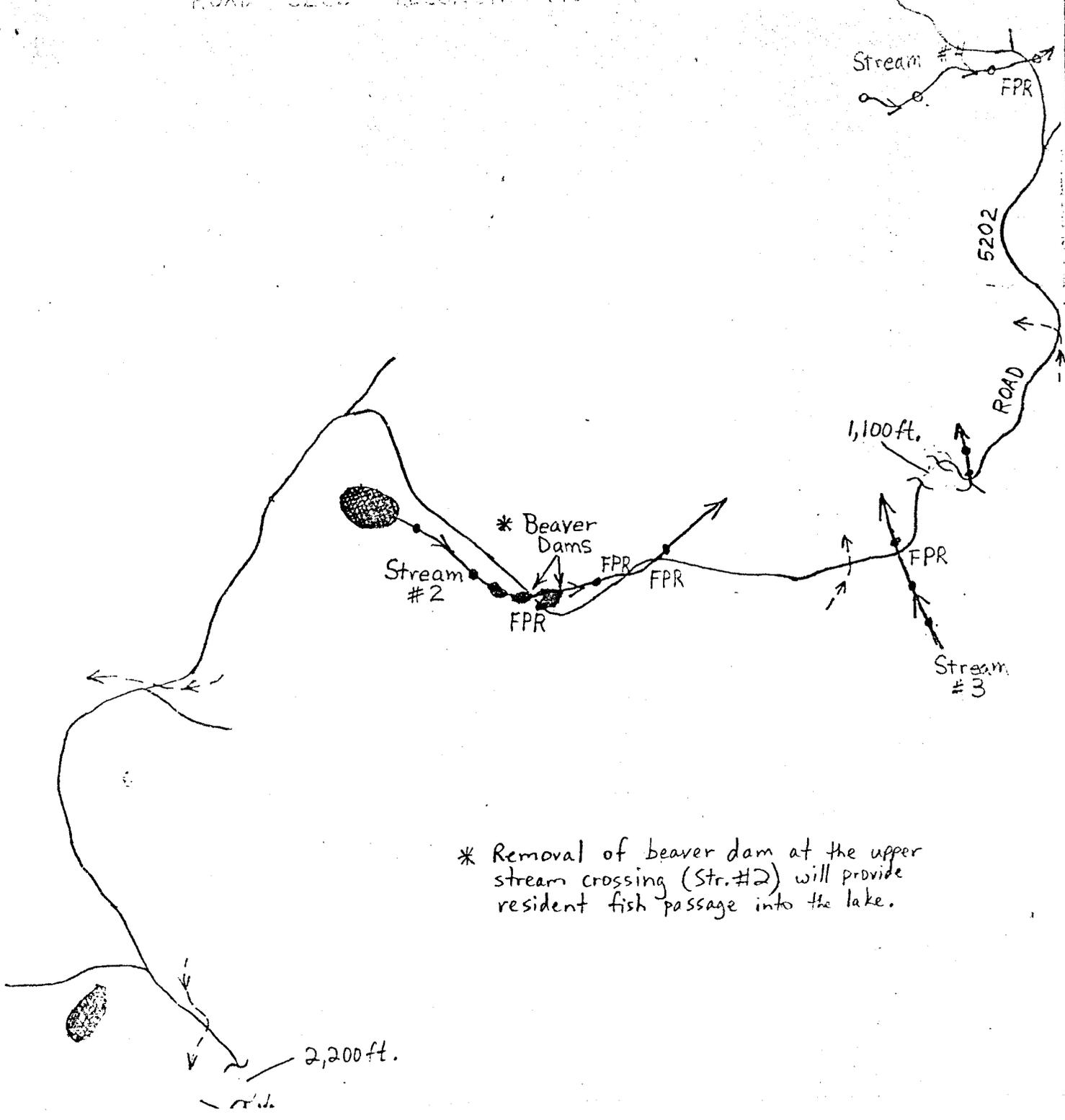
STATION # Sections II, III

The following fish stream protection prescriptions and recommendations apply: based upon quantity and quality of habitat, resistance to alteration and fish habitat management unit objectives.

1. Fish passage required during and after road building activities.
2. Culvert installation required concurrent with rocking.
3. Time construction/reconstruction of fish passing structures to minimize adverse impact to salmonid redds and preemergent fry, (Optimum time for construction: approximately April 15 to August 15). Construction/reconstruction outside this operating time period will require on site assessment by Fisheries Personnel.
4. End haul to prevent sidecast from entering stream course.
5. Right-of-way clearing adjacent to stream courses shall follow timber harvest recommendations (see Timber Harvest - salmon spawning and rearing streams).
6. "In Stream" habitat protection assessment will be provided to aid in design of a fish passage structure.
7. Spawning gravels at and below road crossings should not be altered by 'In Stream' structures.
8. Diversions and channelization of stream courses must be approved in advance by the Forest Supervisor.
9. Limit equipment crossings to only 1 equipment crossing at each crossing site if feasible.
10. Absolutely no barrow pits in stream course.
11. C.M.P. and/or wooden puncheon culverts required for fish stream crossings. Three log culverts are not acceptable.

- 12. When road is "put to bed", the previous integrity of the stream course in terms of gradient and stream bed must be restored.
- 13. Water bars are necessary on long inclines and should be identified by project engineers.
- 14. Blasting is not acceptable for bridge or culvert removal along accessible roads.
- 15. Avoid close proximity of oil and fuel storage to any stream course.

Additional Comments:



* Removal of beaver dam at the upper stream crossing (Str.#2) will provide resident fish passage into the lake.

100 ft.
20 ft.
10 ft.
5 ft.
2 ft.

Approximately
3,500 ft.

