NB Engineering
NB Fish
ADFG
Pease - S.O.

Protection X
Enhancement
Reconstruction
New Road X

ADFG FILE COPY

FISH STREAM SURVEY FIELD REPORT

Date: 5/4/83

V.C.U. 596

Camp: THORNE BAY

Unit: N/A

CONTROL CK./BRUCE LK.

Stream Catalogue #: 102-70-051

Road: CUTTHROAT LK. ROAD #3005 Rd. LINE

Quad Map: CRAIG C-3

T 71S R 82 E Sect 16

TYPE OF FISH HABITAT

Salmon Rearing	Excellent	Good	Fair	Sq. Yds.
Salmon Spawning	Excellent	Good	Fair	Sq. Yds.
Resident Rearing	Excellent	Good	Fair	Sq. Yds.
Resident Spawning	Excellent	Good	Fair	SQ. Yds.

	YES	NO
Fish Present Above Road Crossing:	X	
Below Road Crossing:	X	
Within Unit Boundary:	—	
Below Unit Boundary:	—	

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

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

Fish streams Traversed: YES NO X

Traverse notes Attached: YES NO X

Is Additional Parameter Information Necessary? YES NO X

If so Describe:

Stream No. #:	1	2	3	4	
(°F) Temp.:	—	—	—	—	
(Ft.)Length	100	100	100	200	
(Ft.) Width	6	4	3	25	
(In. Depth	12	6	6	12	

Survey Crew Members:	Signature		Date
Jim Gruber	Jim Gruber	Biologist	5/4/83
Rod Corey	Rod Corey	volunteer # 1	5-4-83

Report Reviewed By: Richard Uchemaga fish bio 5/4/83
Signature Title Date

Recommendations:

See prescriptions

ROAD CONSTRUCTION - LONG TERM SALE

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

ROAD # 3005 STREAM(S)# Stream #4

UNIT # — STATION # —

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 Harves - 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.

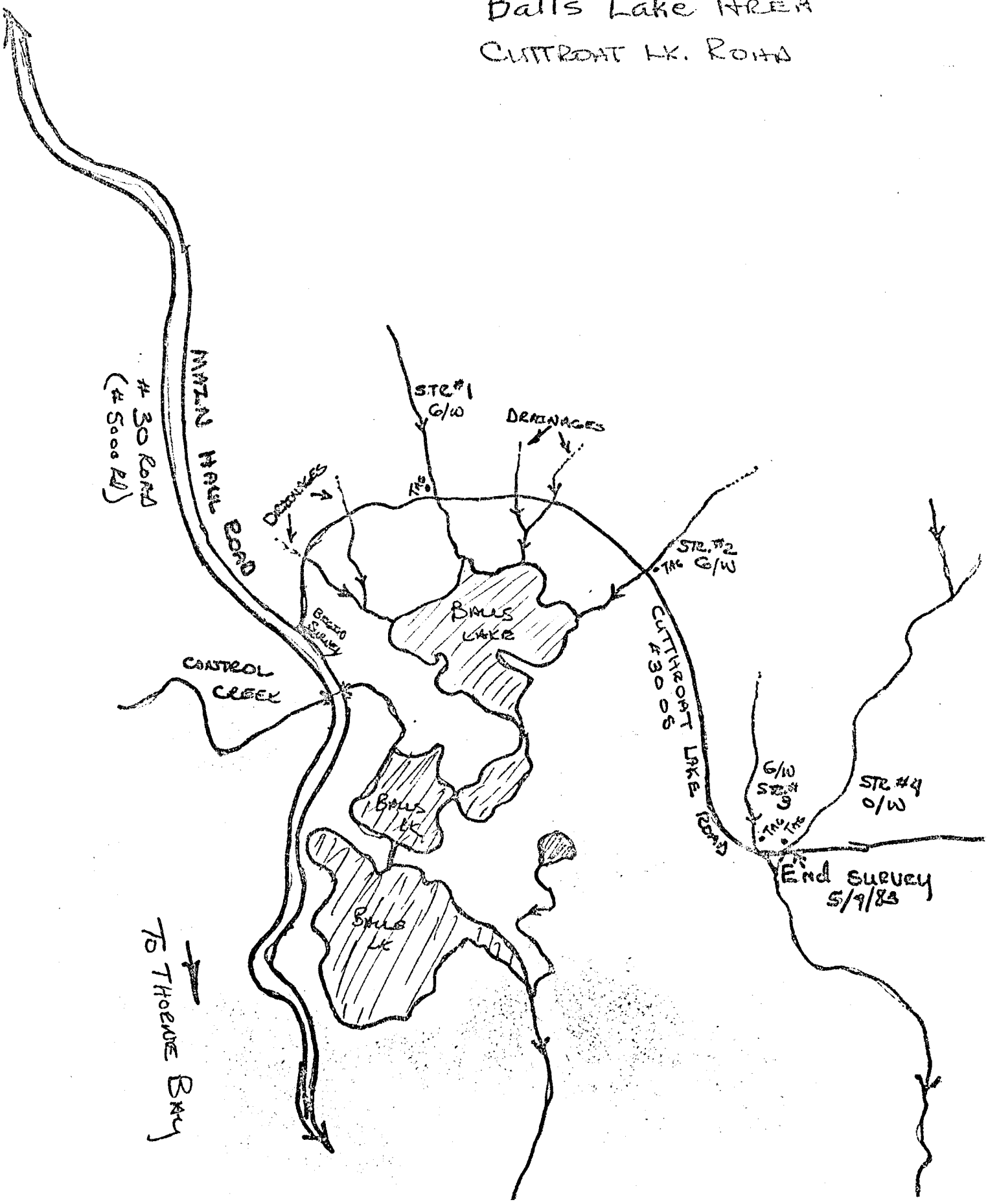
12. When road is "put to bed", the previous integrity of the stream course in terms of gradient and stream bed must be restored.

13. Water bars are necessary on long inclines and should be identified by 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.

Balls Lake Area
Cutthroat Lk. Road



CUTTHROAT LAKE ROAD LINE #3005

STR. #1 IS APPROX. 5 TO 6 FT. WIDE AND 8 TO 12 IN. DEEP WITH A BEDROCK SUBSTRATE AT 8 TO 10% GRADIENT. STR. WAS TAGGED AND FLAGGED G/W AT ROAD CROSSING. GOOD REAR/SPAWN HABITAT BEGINS 350 FT. BELOW RD. CROSSING. WATER QUAL. STR.

STR. #2 IS APPROX. 3 TO 4 FT. WIDE AND 6 IN. DEEP WITH A GRAVEL/ROCK SUBSTRATE AT 10 TO 15% GRADIENT. STR. WAS TAGGED AND FLAGGED G/W AT RD. XING FOR WATER QUAL.

STR. #3 IS APPROX. 2 TO 3 FT. WIDE AND 4 TO 6 IN. DEEP WITH A GRAVEL/ROCK SUBSTRATE AT A 5% GRADIENT. EST. 500 TO 750 FT. OF CHAR/TROUT SPAWN/REAR HABITAT EXISTS ABOVE ROAD. TAGGED AND FLAGGED G/W AT RD. CROSSING.

STR. #4 IS APPROX. 20 TO 25 FT. WIDE AND 12 TO 18 IN. DEEP WITH A GRAVEL/ROCK SUBSTR. AT A 8 TO 10% GRADIENT. 3 CHAR (2 IN.) WERE SHOCKED. EST. 750 TO 1000 FT. BESID. SPAWN/REAR HABITAT ABOVE RD. TAGGED AND FLAGGED

O/W AT Rd. CROSSING.

END SURVEY 5/4/83.

An inspection of the orange line to Cutthroat lakes was held on May 10, 83 with Engineering Timber, fisheries, & LPK representatives present The above fish report addresses this new line. Fisheries impacts from construction will be insignificant as this new road has few crossing

RU 7-12-83

Streams 1, 2, & 3 do not require fish passage. #4 does. RU