Original

Roger Hopper

Von Helmuth
SO. (2 copies)
N.P.O.W. Files
Doug Campbell
Kathy Lucich

FISH STREAM SURVEY

DATE: 7/29

CAMP Hawkati UNIT 45-34

STREAM CATALOGUE # 103-90-026 ROAD 3602.02

QUAD MAP Craig D-4 T69S R81E SECT 7&8

CHICK MAP 29 of 55 T69S R81E SECT 7

SPECIES PRESENT	STAGE OF DEVELOPMENT
Dolly Varden	Fingerling

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

IS FUTURE FISH HABITAT ENHANCEMENT POSSIBLE? YES ____ NO X

IF SO DESCRIBE:

	YES	NO
FISH PRESENT ABOVE ROAD CROSSING:	X	
BELOW ROAD CROSSING:	X	
WITHIN UNIT BOUNDARY:	X	
BELOW UNIT BOUNDARY:	X	

FISH STREAM(S) INTERSECTION(S) MARKED WITH METAL TAGS: ROAD ____ UNIT ✓

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.: 54° F

METHODS USED TO DETERMINE PRESENCE OF FISH:

STREAM #	DATE	#FISH	SPECIES	LENGTH	GEAR	TIME
3	7/29	5	Dolly Varden	2"-3"	Shocker	15 min

PERTINENT WILDLIFE INFORMATION:

COMMENTS: On stream #3 above its intersection with with road 5602.02 there is a V-notch typified by 30 ft banks with 100% slopes. 1 slide was noted on the easter bank. Soils input requested.

SURVEY CREW MEMBERS: SIGNATURE [signature] DATE 7/31

Tom Hunnicutt
Jerry Kluthe

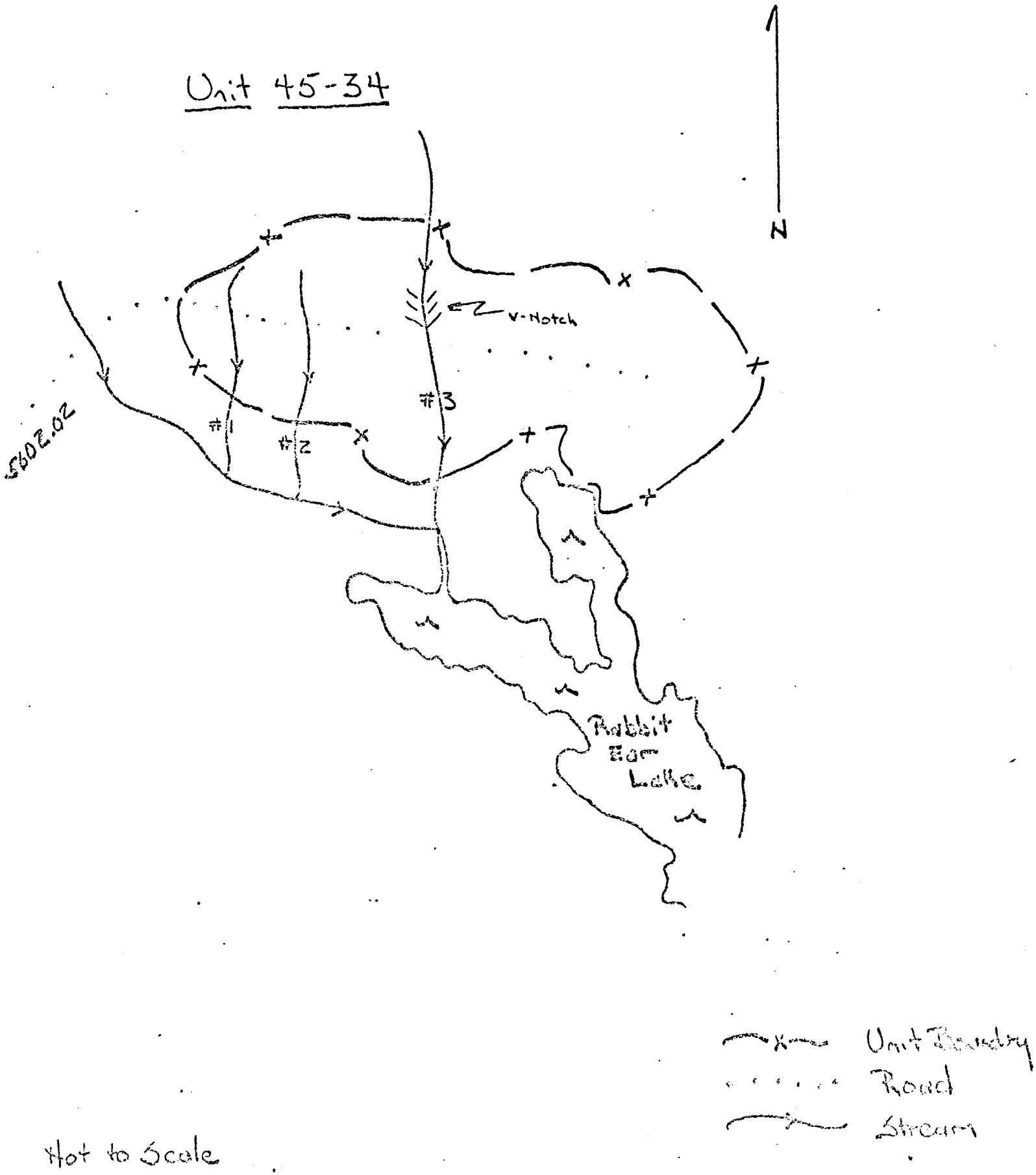
REPORT REVIEWED BY: Robert Metzger Fish Biol 8/10/81

SIGNATURE TITLE DATE

RECOMMENDATIONS:

Soils input requested for V-notch on stream #3
Wildlife and visual resources should be consulted on portion of southern unit boundary bordering Rabbit Ear Lake

Unit 45-34



Not to Scale

Stream Discriptions

Streams #1 & 2 flow in a southern direction at a 6% gradient in the western end of unit 45-84. These streams are 10" wide and 2" deep with a gravel, mud, and moss substrate.

Stream #3 flows in a southern direction at a 5% gradient until its confluence with Rabbit Ears Lake. It is 2' wide and by 8" deep with a gravel, sand and mud substrate and flows at a 4-6% percent gradient through out its drainage.

WATER QUALITY PROTECTION -- V-notches and/or unstable soils
(Orange/White Ribbon)

UNIT # 45-34 STREAM(S)# 1
ROAD # _____

The following fish stream protection prescriptions and recommendations apply:

✓ 1. Chunk clean to include rootwads.

____ 2. Recommend input from soil scientists.

Additional Comments:

2v(7)

WATER QUALITY PROTECTION -- V-notches and/or unstable soils
(Orange/White Ribbon)

UNIT # 45-34 STREAM(S)# 2
ROAD # _____

The following fish stream protection prescriptions and recommendations apply:

✓ 1. Chunk clean to include rootwads.

____ 2. Recommend input from soil scientists.

Additional Comments:

2v(7)

Resident "sports" fish spawning and rearing
(Orange/White Ribbon)

UNIT #45-34 STREAM(S)# 3

The following fish stream protection prescriptions and recommendations apply:

TIMBER HARVEST

✓ 1. Directional falling or lining (to include jacking) of timber away from stream course.

✓ 2. Split the yarding or full suspension of timber over stream course.

✓ 3. No limbing or bucking of timber inadvertently felled into stream course (to include windthrow). Yard timber tree length if possible.

✓ 4. Remove debris introduced during timber harvest concurrent with yarding.

____ 5. Windtrhow impacting stream course will be marked for "Leave" or "Take" timber.

____ a. timber marked with blue ribbon shoud be removed by yarding tree length from stream course if possible.

____ b. timber marked with yellow ribbon should be left in place or will require special considerations upon removal.

____ c. no bucking or limbing of timber occupying or suspended over stream course.

____ d. removal of all windthrow and logging debris from stream course concurrent with yarding (to include rootwads that may enter stream course).

____ e. directional falling of standing timber away from stream course.

____ f. timing of timber harvest to avoid adverse impact to salmonid redds and/or preemergent fry. (Optimum time: approximately April 15 to August 15).

Additional comments: Recommend input from soil scientist
IN ADDITION, THE ABOVE RECOMMENDATIONS WILL APPLY TO SOUTHERN BOUNDARY BORDERING RABBIT EAR LAKE. J.D.M.
(*NOTE: 2v(2) WILDLIFE AND VISUAL RESOURCES MAY REQUIRE INPUT ON BOUNDARY ALONG RABBIT EAR LAKE.)