DLS

Fred Ziegler
ADF&G

Kim Turley
Van Tassel

FISH STREAM SURVEY

DATE: 4-21-80

CAMP TNB UNIT 8-21

STREAM CATALOGUE # 102-70-058 (W.FK. D. THORNE) ROAD 5053

QUAD MAP Craig D3 T 70S R 83E SECT 17

CHICK MAP _____ T _____ R _____ SECT _____

SPECIES PRESENT	STAGE OF DEVELOPMENT
Cutthroat	fry, juvenile, adult
Rainbow	fry, juvenile
Dolly Varden	juvenile

TYPE OF FISH HABITAT

SALMON REARING	EXCELLENT	GOOD	FAIR	SQ YDS 12A
SALMON SPAWNING	EXCELLENT	GOOD	FAIR	SQ YDS 12A
RESIDENT REARING	(EXCELLENT)	GOOD	FAIR	SQ YDS
RESIDENT SPAWNING	(EXCELLENT)	GOOD	FAIR	SQ YDS

IS FUTURE FISH HABITAT ENHANCEMENT POSSIBLE? YES _____ NO ✓

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 X UNIT _____

FISH STREAM(S) FLAGGED: BLUE/WHITE _____ ORANGE/WHITE X

FISH STREAMS TRAVERSED: YES _____ NO X

TRAVERSE NOTES ATTACHED: YES _____ NO X

IS ADDITIONAL PARAMETER INFORMATION NECESSARY? YES _____ NO X

IF SO DESCRIBE:

METHODS USED TO DETERMINE PRESENCE OF FISH: shocker

STREAM #	DATE	#FISH	SPECIES	LENGTH	GEAR	TIME
#1	4-21-80	2	Cutthroat	4 inches		5 min
		1	Cutthroat	3 inches		
		3	Rainbow	3 inches		10 min
		1	Cutthroat	2 inches		
#1-A		1	Dolly Varden	3 inches		5 min
		1	Cutthroat	4 inches		

PERTINENT WILDLIFE INFORMATION: Deer trails

COMMENTS:

SURVEY CREW MEMBERS: SIGNATURE DATE

Tom Staples

Glenna Hopper

REPORT REVIEWED BY: [signature] 4-26-80

SIGNATURE TITLE DATE

RECOMMENDATIONS:

see report

UNIT 8-21
WEST FORK NORTH THORNE DRAINAGE
4-21-80

STREAM #1

Stream #1 was surveyed above the main road, through a muskeg area, into the west portion of unit 8-21. There is approximately 800 feet of excellent cutthroat habitat below the unit, 6-700 feet within the unit, and another 800 feet above the unit. It was flagged orange/white the entire length to the end of the habitat. It is tagged at the road.

The stream is 3-5 feet wide, 6-10 inches deep, with 12-36 inch pools. The gradient is 2-5% for almost its entire length, until the end where it climbs to approximately 20%. The substrate is gravel/rocky sand. In the lower reaches gravel comprises approximately 80% of the substrate and in the upper reaches decreases to approximately 50% with larger cobbles appearing. Bedrock outcrops in the stream bed appear periodically as do natural log falls.

within the unit there is quite a bit of cedar blowdown, however, this is not causing any blockage to fish passage.

This stream is an <u>excellent</u> resident spawning and rearing stream.

Recommendations:

Damage incurred by removing the blowdown from the portion of the stream within the unit should be minimal, or the unit boundary should be moved to the east side of the stream to exclude these few trees. If these trees are removed the following recommendations should apply:

1) Removal of all Introduced and Blowdown debris concurrent with yarding.
2) No bucking or limbing in the stream.
3) Directional falling where possible.

STREAM # 1-A

Stream # 1-A is a small tributary of Stream #1 the confluence of which is just above the main road. There is approximately 400 feet of fair resident habitat which does not, at this time, extend into the unit.

The stream is 2-3 feet wide, 4-8 inches deep, with 1-2 foot pools. The substrate is Mud/Sand/gravel and some organic detritis, with Mud and Sand predominating. The gravel comprises approximately 20% of the substrate. The gradient is 3-5%. The stream is flagged orange/white to the end of habitat and tagged at the road.

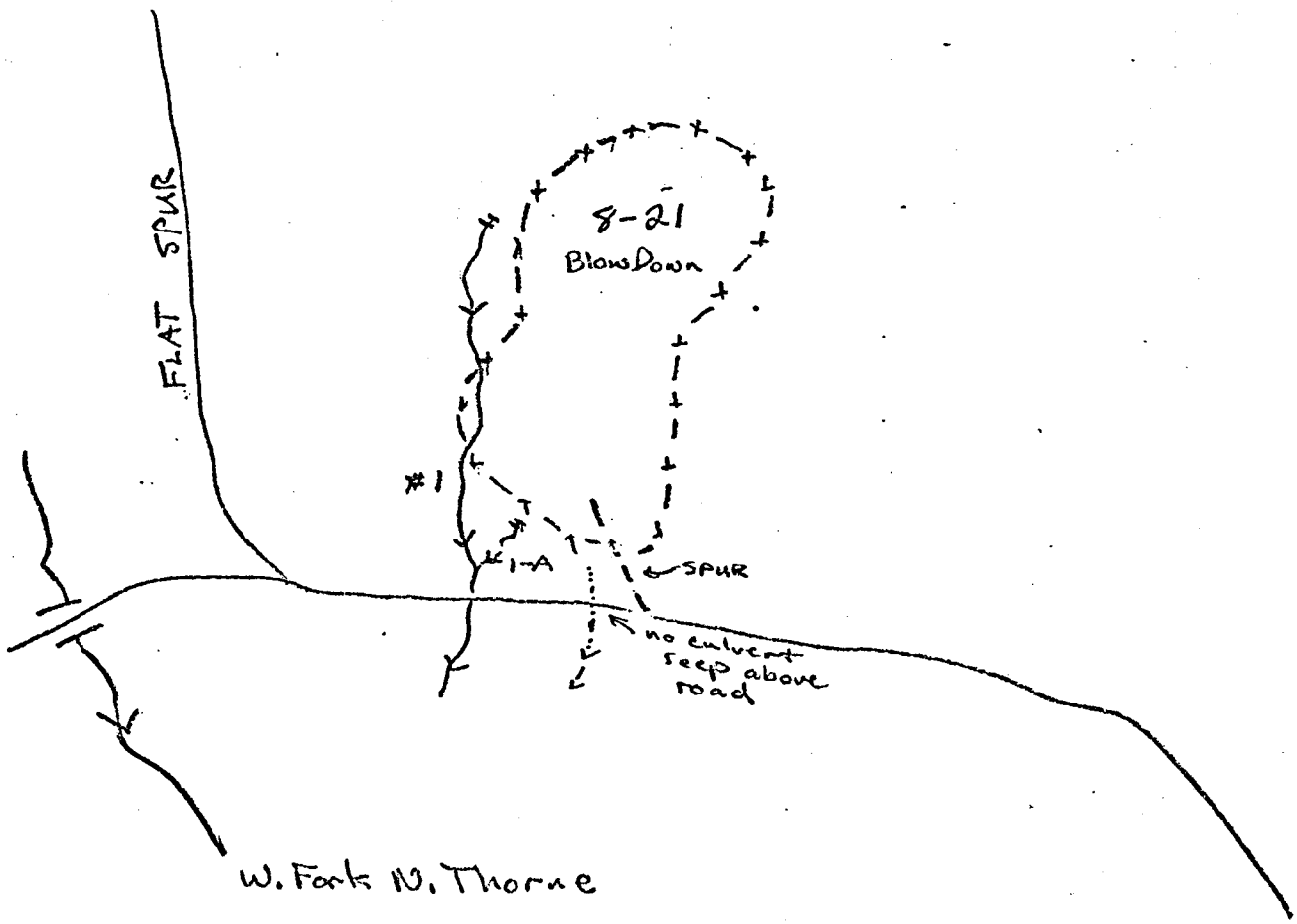
Recommendations:

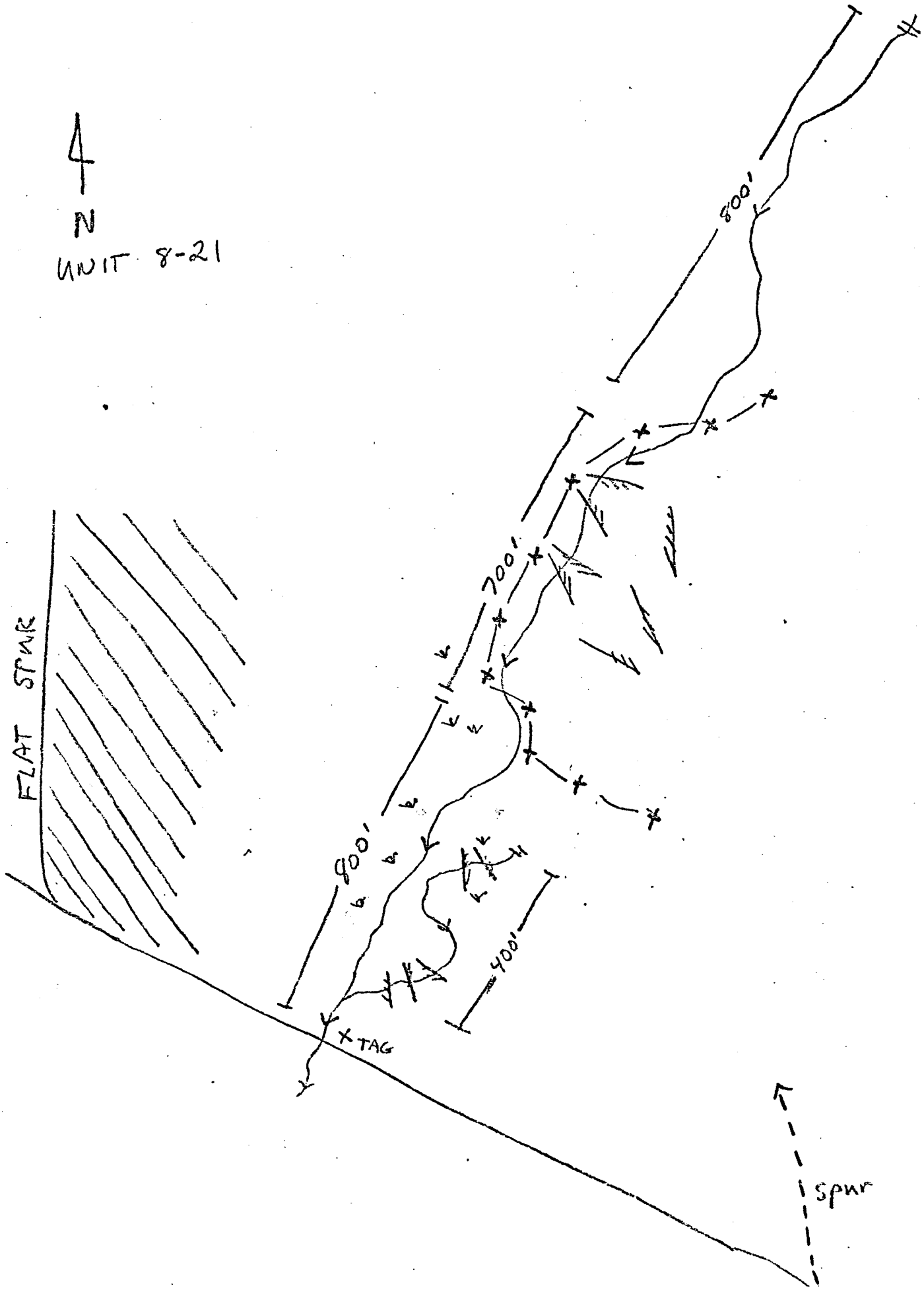
If the unit is extended to include this stream the following recommendations should apply:

1) Chunk clean concurrent with yarding.

8-21
W. FORK N. THORNE
4-21-80

N




N
UNIT 8-21
FLAT SPUR
800'
700'
900'
400'
TAG
spur