cc: Al Sorensen
Fish And Game

Date: Tuesday 9/4/79 ☆ DIS

Road Survey
Fish Stream Survey Report

#101-45-024

Camp Ketchikan Stream Name(ID) White River

Road# White River Station# _____ Unit# _____ RP# _____

Quad Map Ketchikan B-5 Section _____ Chick Map _____ Section _____

Fish Present Yes X No _____

Above Road Crossing	X	
Below Road Crossing	X	
Within Unit Boundary	N/A	
Below Unit Boundary	N/A	

Species Present/Stage of Development Dolly Varden Adult

Type of Fish Habitat

Salmon Spawning Area _____ sq yds Describe _____
Salmon Rearing Area _____ sq yds Describe _____
Other Trout Area _____ 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
Str #1	9/4/79	1 Dolly Varden	5"	Shocker	20 min
		1 Dolly Varden	6"	↓	↓
Str #2	9/4/79	1 Dolly Varden	3½"	Shocker	5 min

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 X No _____
Fish stream(s) flagged with ~~blue~~ orange stripe tape Yes X No _____
Stream(s) traversed-If so attach traverse notes Yes _____ No X
Additional parameter information necessary, Yes _____ No X
If so attached completed fish stream parameter Data form

Pertinent Wildlife Information:

Comments:
Fish stream survey was done in response to Cape Fox Corporation request for timber road access across National Forest Lands. Approximately 3300' of the proposed 5 miles will cross F.S. land.

Survey Crew Members:	Signature	Date
Jim McCullough	Jim McCullough	9/4/79
Glenna Hopper	Glenna Hopper	9/4/79

Report Reviewed By Michael E. Navy (Signature) Wildlife Bio (Title) 9-4-79 (Date)

Recommendations: See attached pages for site specific recommendations. Note request for road relocation on stream #1 to avoid double crossing and concern regarding proximity of main road line (21+63 to 28+00) over the White River. Can road be relocated? — if not can rock be slid without pushing it in White River.. Would road location at ~20+00 cause

Navy

ne: White River
itude: 55° 28' 26"
ngitude: 131° 32' 13"
odetic Map No: Ketchikan B-5
cation: W. side George Inlet, 2.4 miles W. Bat Point

Catalog No: 101-45-24
Former Stream No: K 94, Prev. no. 88

Work Area: Ketchikan
Watershed Length: 7.2 miles
Drainage Area: 13 sq. miles
Water Supply Type: Muskeg, lake, small ponds, runoff,

ails & Survey Routes: Trail follows River 1.5 miles from mouth, beyond that reambed fairly easily walked with game trails on banks as alternatives.

rial Survey Notes: River sufficiently large and wide for aerial survey but veral deep pools could conceal large numbers of fish.

chorage: Just south of Forest Service trail marker in 11 fathoms.

de Stage when Surveyed: Began at 2nd half of flood, ended at low tide.

RESOURCES

OMMERCIAL FISHERIES (species, escapement, timing, spawning area): Pink, chum, coho. See attached escapement record. Timing late (Sept. - October) High 1970 - 50,000 pink, low 1962-0; 14 year average since 1961 12,550. Spawning areas 35,000 m^2 (15,000'x50'x50% ASA)

chooling Areas: Numerous deep pools and sloughs (noted on accompanying map)

pawning Areas: At confluence of Harriet Hunt Lake stream and above.

HELLFISH POTENTIAL: Clams and crabs on delta at mouth of stream. (tide flat 200 yds. - 1% eelgrass)

PORT FISHERIES: Good fishing for Dolly Varden, cutthroat, rainbow.

AND USE (history, present, proposed): Watershed entirely within Tongass National Forest, White River Girl Scout Camp south of mouth. Harriet Hunt Lake area and upper tributaries of White River and connected by road to North Tongass Highway and comprise a heavily used local recreation area.

REHABILITATION POTENTIAL: None needed to increase salmon production.

SOILS: Banks low, level, apparently stable at present.

GAME RESOURCES (species, use, habitat): Bear (500 carcasses, 40 droppings), geese (15), mallards (4), mergansers (3), eagles (6), seal (1).

STREAM INVENTORY FORM

Name: White River

Number: 101-45-24

Observers: Larson/Ward/Jackinsky

Date: 9-18-75 & 6-16-76

Temperature: 60° 75°

Weather: Clear

Station No.	1	2
Pool Size/Type	1/1	3/2
Riffle Type Width-Depth	60'W .99'D	58'W 1'D
Pool Riffle Frequency	3	2
Bottom Type (Riffle)	4/1	4
Color/Turbidity	1/1	1/1
Velocity	1	2
Flow (C.F.S.) *	48	129
Temp. (°F.)	48°	45°
pH	7.5	7.5
Fry Abundance		0
Benthos Sample No.		
Higher Plant Class	1	1
Aquatic Veg. Density	3	3
Ident. (1) Mosses (2) Algae	1	2

General Remarks (rehab., land use, barriers, log jams, etc.): #1: 9-18-75 #2: 6-16-76

PEAK ESCAPEMENT RECORD

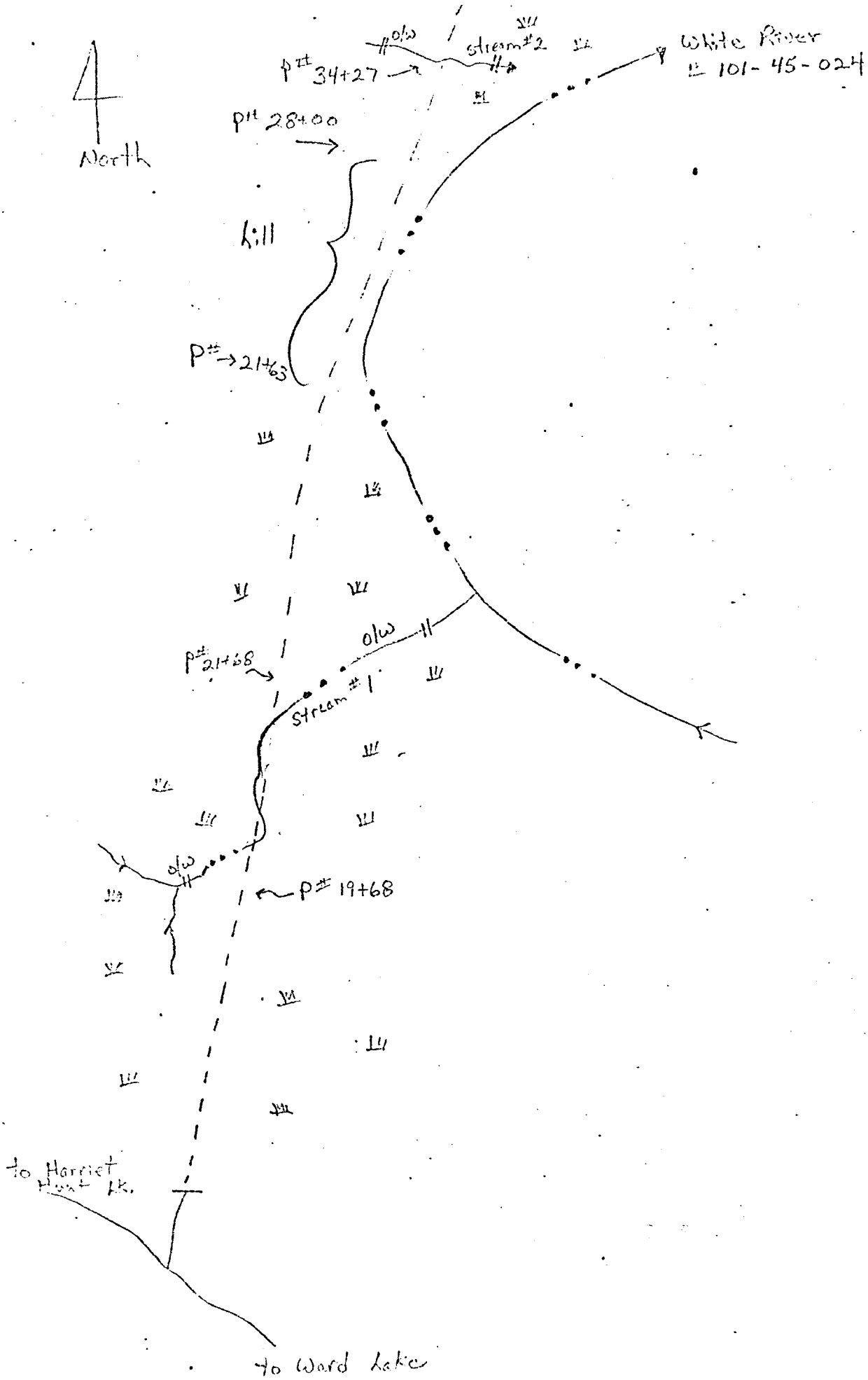
White River
101-45-24

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-10-40	3,000			7,000 pink off mouth.
9-28-41				Fair.
9-14-42				Good. 20,000 off mouth.
10-11-43	500	100		Fair. 1000 off mouth.
10-5-47	2,000			Fair. 1000 dead pink.
9-17-49	1,599	45		173 dead pink, 7 dead chum.
9-17-50	1,238	86		8 dead pink, 4 dead chum.
9-6-53				Few fish in stream.
8-26-56	1,500	4,500		2000 chum, pink @ mouth.
7-28-61				300 @ mouth. Schooled.
8-28-62				500 @ mouth. Prob. chum. Vis. poor.
8-13-63	39,800			Vis. poor to fair. Most schooled some spawning & dead.
8-30-64	15,000	8,000		Chums spawning in upper, pinks schooled.
8-26-65	14,000	500		2000 I.T. Stream low, fish spawn.
8-13-66	2,400	200		Poor vis. raining. 500 @ mouth.
8-14-67	780			3-4000 @ mouth on 8-3. Vis. Ex. except some shadow on lower strm.
8-19-68	300	few		Vis poor. in stream, good @ mouth. 8,000 at mouth.
8-20-69	3,000			Fish activity in pools and riffles. Very poor vis. stream hi & dark.
9-8-70	3,000			Hard stream to survey.
8-27-71	50,000			Vis. good. Except lower area.
8-30-72	6,900	some - no	break down.	Vis. fair. Majority spawning.
8-11-73	21,200			500 @ mouth. Vis. fair to poor. Water dark.

PEAK ESCAPEMENT RECORD

White River
101-45-24

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-28-74	5,400			200 @ mouth.
8-21-75	20,700	20		270-300 @ mouth.


North
o/w
stream #2
p# 34+27
White River
101-45-024
p# 28+00
hill
p# 21+63
o/w
p# 21+68
stream #1
o/w
p# 19+68
to Harriet Hunt Lk.
to Ward Lake

9-4-79

STREAM #1

Stream #1 is 3-4 feet wide 8-12 inches deep with 2-3 foot pools. The substrate is fine gravel/sand/mud and the banks are undercut. The habitat is excellent for trout spawning and rearing. This stream eventually flows into White River. It is flagged Orange/White and tagged at the road crossing. The road crosses the creek between PI 19+68 and PI 21+68.

STREAM #2

Stream #2 is 1-2 feet wide, 6-8 inches deep with 12 inch pools. The substrate is gravel/sand/mud. Dolly Varden were found in this stream. It was flagged Orange/white and tagged at the road-stream intersection. The road crossing is close to P.I. 34+27.

Recommendations:

Stream #1

The road crosses stream #1 between P# 19+68 and P# 21+68. The center line of the road follows the stream bed or within such a close distance of the stream for 100' that rocking in of the creek will occur unless the road location is changed. Fish Passage is Required on this stream. The road should be relocated so as to cross the stream only once. Fish passage required concurrent with rocking, 48 hour clean up of any road building debris directional falling, and no bucking or limbing in the stream. The culvert should a permanent fish passing structure. One equipment crossing, (Poclain), only.

Between P# 21+63 and P# 28+00 the road is located on a side hill with a 70% gradient down to the white River. The White River comes to within 100' of the proposed center line. Because a lot of rock material will have to be removed in this area and because of the close proximity of White River the road should be relocated further away from the river. End hauling of all debris will be required if road relocation is not possible. Eng should check to see if rock can be shot without putting it in creek

Stream #2

The road crosses stream #2 at approximately P# 34+27. Fish Passage is required. Concurrent with rocking " " 48 hour clean up of any road building debri, directional falling, no bucking or limbing in the stream. The culver should be a permanent fish passing structure. One equipment crossing, (Backhoe), only.