

SITE INFORMATION

Site Identifier : SU5LB1 **Landowner Type :** Federal
Site Name : Hidden Flat creek **Landowner Name :** USFS
WRIA : 03.0710X **Address :**
Region : NS **Address2 :**
Trib to : 03.0710L **City :**
River Mile : 0.05 **State :**
River System : Suiattle R **Zipcode :**
Legal Description : NE1/4S15T32NR11E **Phone :**
County : Snohomish
Habitat Type :

Directions :

Take FS 26 up the Suiattle river and take a left on FS 25 and cross the Suiattle. Continue up the Suiattle to Captain Moses seed orchard. Turn into the orchard and follow the road to the end at a beaver pond.(Captain Moses cr)

Area Overview :

This is an intermitted terrace trib in the upper two thirds that provides a considerable amount of high quality over-winter habitat. The lower third has perenial flow.

Field Survey Information

Date : 04/27/1995 **Observer :** Barkdull **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermitent Year-round

Estimated Flows (cfs): Lower end: 0.1cfs
Upper end:

Water Temperature(C): Lower end: 13
Upper end: 13

Receiving Water Temperature (C):

Other Observations:

Site Area Measurements: Indirect Direct Combination
 Widths: Channel: 1.8 Ponds: Wetlands:
 Depths: Channel: 0.1 Ponds: Wetlands:
 Total length (includes ponds and wetlands):606m

Total existing habitat area (est. m2): 1500

Spawning area:	Mainstem: 100	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 1500	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Exellent

Describe spawning habitat: Cobble and boulders mainly with some patch gravel in places.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: Channel is watered to 266m. in summer, this section of the channel is filled with water parsley with good cover and organic debris. The upper channel to 756 flows in winter and is the same without the aquatic vegetation.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: Low, large bench does not appear to ever get flooded. A side channel inside of this site may provide flood relief.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: Channel enters Captain Moses creek near the mouth at a pool.

Coho access and use: Juvenile Unknown None Poor Fair Good
Adult Unknown None Poor Fair Good

Describe: Many juveniles observed, patch gravel appeared to have been dug up last winter.

Other species acces and use: Chum Pink Sockeye Res. Trout Anad trout

Describe: Trout use possible but unknown

ENHANCEMENT OPPORTUNITIES

Project type: Groundwater channel.

Equipment access: Good via existing tree farm roads.

ADDITIONAL COMMENTS: This may be a good site for a groundwater channel, although the channel now provides a considerable amount of overwinter habitat and no enhancement may be needed. Adult use needs to further investigated. Most of this site is dry in summer.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

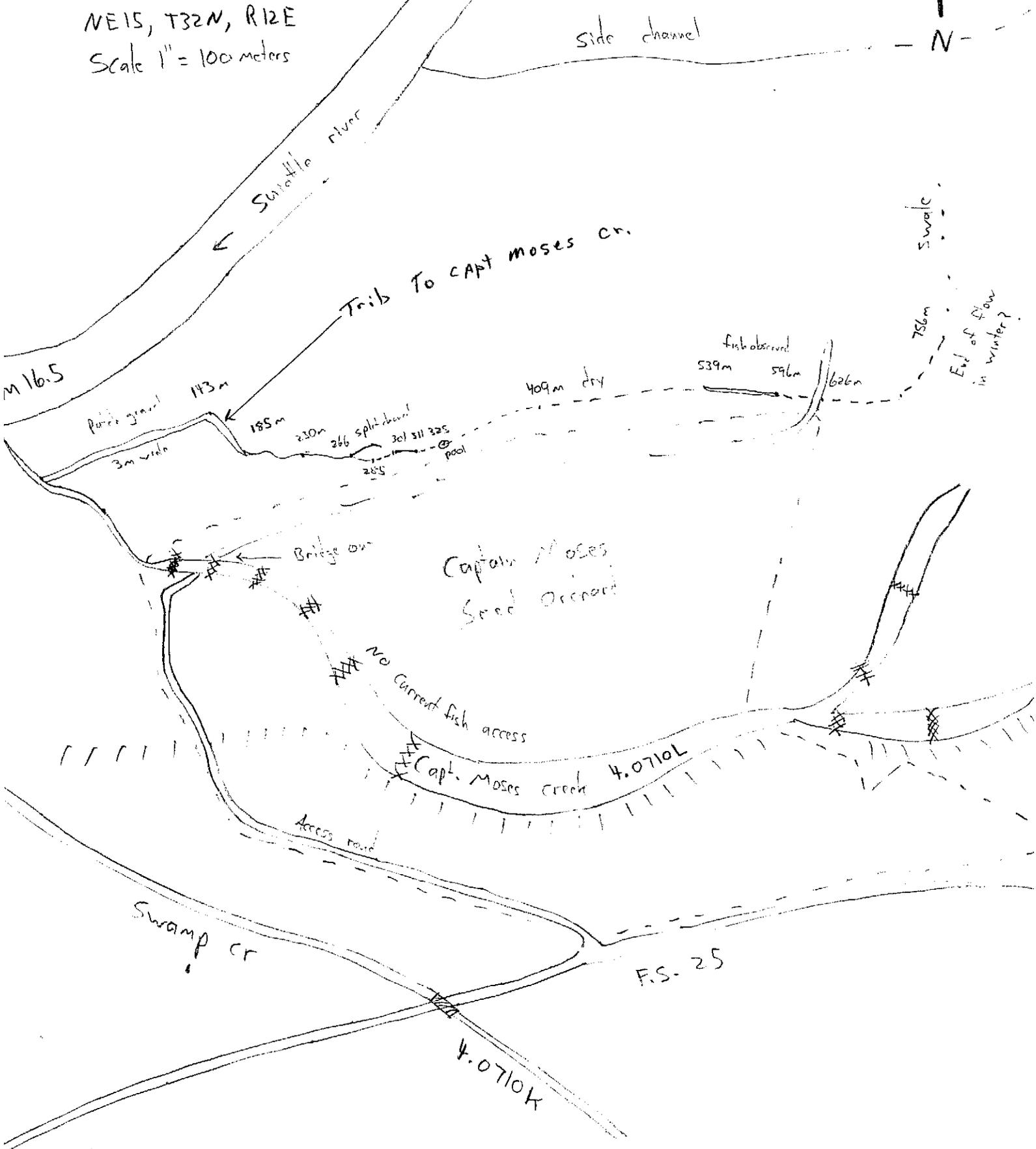
Capt. Moses Cr. 11/16/95

SU5LBI

4/27/95 B. Barkdull

NE15, T32N, R12E

Scale 1" = 100 meters



side channel

Swatara river

Trib To CAPT MOSES CR.

M 16.5

Paved ground
3m wide

143m

185m

230m

266m split channel

301 311 325

pool

285m

409m dry

fish observed

539m

596m

626m

Swale

End of flow
in winter?

Bridge over

Captain Moses
Seed Orchard

No current fish access

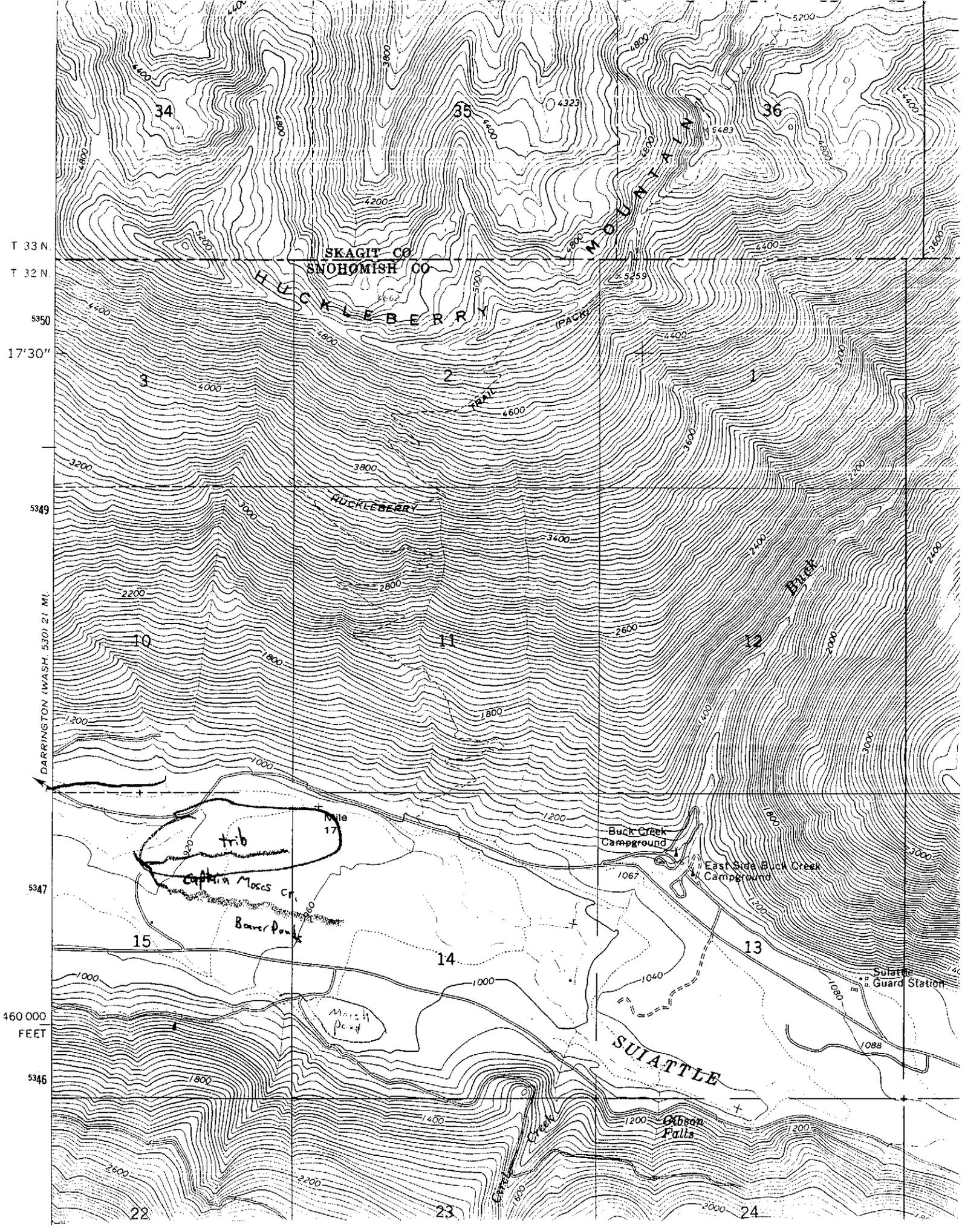
Capt. Moses creek 4.0710L

Access road

Swamp cr

F.S. 25

4.0710K



T 33 N

T 32 N

5350

17°30'

5349

DARRINGTON (WASH. 530) 21 MI.

5347

460 000
FEET

5346

SKAGIT CO
SNOHOMISH CO

HUCKLEBERRY

MONTELEONE

3

2

1

10

11

12

15

14

13

Mile 17

trib

Captain Moses Cr.

Beaver Pond

Marsh Pond

Buck Creek Campground

East Side Buck Creek Campground

Sulzberger Guard Station

SUIATLE

Gibbon Falls

22

23

24

4323

4483

5259

1067

1040

1080

1088

600

2000

SITE IDENTIFIER:SU5LB1
LOCAL NAME:Captain Moses trib

NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

RIVER:Suiattle SURVEY DATE:4/27/95 OBSERVER:B. Barkdull

03.0710x

WRIA:None RIVER MILE/BANK LOCATION:0.1 to 03-0710L

LEGAL LOCATION DESCRIPTION: 1/4 SECTION NE SEC.15 T.32N R.11E

CHANNEL TYPE: Perc channel

	RIVER	LOW END	UPPER END	O T H E R LOCATIONS
WATER TEMP:		56 f 13 c		
FLOW (CFS):		< 0.1 cfs		
WATER QUALITY:		Appears very good		

SUBSTRATE TYPE/SPAWNING GRAVEL ABUNDANCE & CONDITION:
Cobble and boulders mainly with some patch gravel in places.

COVER/LOD: Very good cover throughout

SITE DIMENSIONS: LENGTH:606 meters
WIDTH-WETTED:3-10 feet - 1.8m
-CHANNEL:

DEPTH:inches throughout

WATER SOURCE: river perc.

FISH ACCESS/BLOCKAGES/CURRENT USE (BOTH ADULTS & JUV.):
In winter it appears there is juvenile access to at least 736 meters. It appears adults have spawned in the lower end, and juveniles were present in good numbers in the lower 285 meters.

LANDOWNER: USFS

CHANNEL ENTRANCE CONDITIONS: Very good

FACTORS LIMITING PRODUCTION: Lack of area in summer.

SITE IDENTIFIER:SU5LB1
LOCAL NAME:Capt. Moses trib

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NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

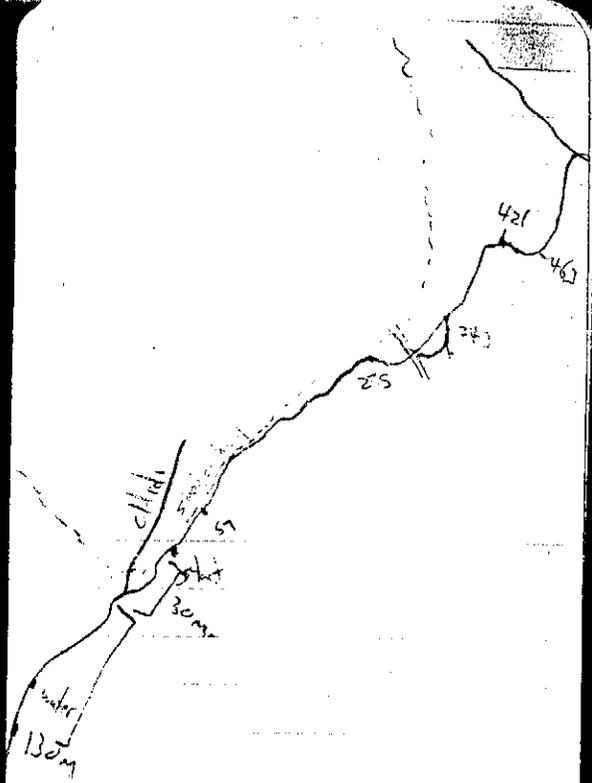
UP-OUTMIGRANT TRAPPING CAPABILITY/OPPORTUNITY/DIFFICULTIES:
No problems anticipated

BEAVER ACTIVITY: None

HEAVY EQUIPMENT ACCESS: Good via existing tree farm roads

DIRECTIONS TO SITE: Take FS 26 up the Suiattle river and take a left on FS 25 at mile post 8 and cross the Suiattle. Continue up the Suiattle past Straight creek to the Captain Moses seed orchard which is past the Darrington seed orchard. Turn into the orchard and follow the road to the end at a beaver pond. This is Captain moses creek. Please see map.

ENHANCEMENT OPPORTUNITIES AND COMMENT: It may be worthwhile to track the fish use and flows throughout the year to determine if this site could be developed into a groundwater channel. This site may already provide a considerable amount of overwinter habitat and no enhancement may be needed. Most of this site is probably dry in summer.



~~407~~
~~311~~
~~301~~
~~285~~
~~276~~
~~250~~
~~185~~

4/27/95 Capt. Moses cr. 50° trib
 0.0 3(0.9) mile road bottom, fish observed
 57 m. 3(0.9) ave. dry here
 187 m appears to have been a long time
 271 standing pool
 285 (1.8) water starts 6' wide fish
 295 out of water, shd rd
 311 (0.3) starts 1' wide
 343 (1.0) LB. trib 6' wide
 376 (1.2) shlt bed, water, rocky, good fishing
 421 (1.2) on grade
 463 (1.8) ave, boulders, cobbles, large fish
 498 10(3) ave old Riv?
 606 10(3) ave ends 100' above m. of
 Captain Moses cr. runs in Cr. cr.
 343 trib
 380 end, ave 3'
 another 130 to end of where stream