

SITE INFORMATION

Site Identifier :	NS8RB1	Landowner Type :	Private
Site Name :		Landowner Name :	
WRIA :	05.0135X	Address :	
Region :	NS	Address2 :	
Trib to :	NF Stillaguamish R	City :	
River Mile :	31.25	State :	
River System :	NF Stillaguamish R	Zipcode :	
Legal Description :	NW1/4S8T32NR09E	Phone :	
County :	Snohomish	Coordinates	
Habitat Type :	lower valley wall tributary	East:	1,711,741.00 North: 1,076,804.00

Directions :

From the intersection of Swede Heaven Rd and Hwy 530, go down Swede Haven Rd and take the first right past the NF Stillaguamish R bridge onto East Whitehorse Dr. Go for 1.2 miles on East Whitehorse Dr to the site.

Area Overview :

This trib flows into a flood channel on the opposite bank from the mouth of Squire Creek. It is wetted most of the year with the lower end drying out during the late summer months. Juvenile salmonids were observed throughout most of the surveyed area.

Field Survey Information

Date : 4/23/03 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 0.3
Upper end: 0.2

Water Temperature(C): Lower end: 7.8
Upper end: 7.8

Receiving Water Temperature (C): 6.7

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 1.2 Ponds: Wetlands:
Depths: Channel: 0.15 Ponds: Wetlands:

Total length (includes ponds and wetlands): 1314

Total existing habitat area (est. m2): 1502

Spawning area:	Mainstem:	40	Tribs:	Total:
Impounded area:	Mainstem:		Tribs:	Total:
Other rearing area:	Mainstem:	1462	Tribs:	Total:
Unaccessible habitat:	Mainstem:		Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Most of the spawning habitat is located within the first 100 meters of the site and in between 500 meters and 800 meters. The gravel size ranges from 1/2" to 3" and there is a fair amount of in-stream cover as well as over-head cover.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: In the first 748 meters of this site, the stream gradient ranged from 2% to 4% and there is a fair amount of pooled habitat in this reach. The substrate varied between mud, gravel and cobble and there was good brushy cover along the banks, mostly from salmonberry. Upstream of 748 meters, the stream gradient increased and at 1034 meters it was at 20%. The substrate in this reach was mainly cobble and small boulders.

Describe inaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: The lower 157 meters is on a vulnerable bench and is part of a flood channel that appears to connect to the river during flood events. At 157 meters there is a small blow out area along the edge of a gravel road indicating this part of the stream has some high flows at times.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe:

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

Describe: There were juvenile coho observed in this site on the day of the survey. Adult spawner use is likely.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: Juvenile trout were also observed in this site on the day of the survey.

ENHANCEMENT OPPORTUNITIES: At the 157 meter mark, there is a small section of a gravel road that is failing into this stream and could be pulled back or stabilized. This area may be influenced by mainstem floodwaters.

Project type:

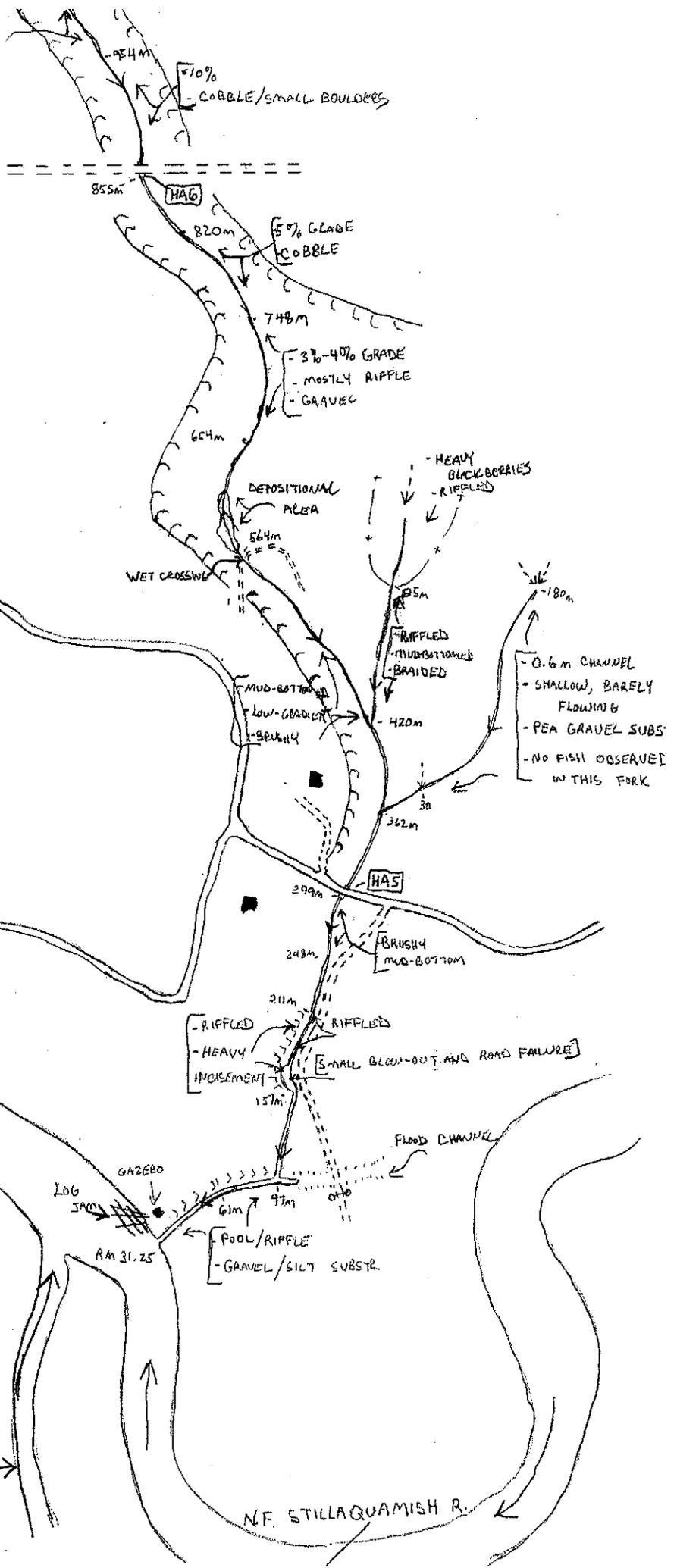
Equipment access:

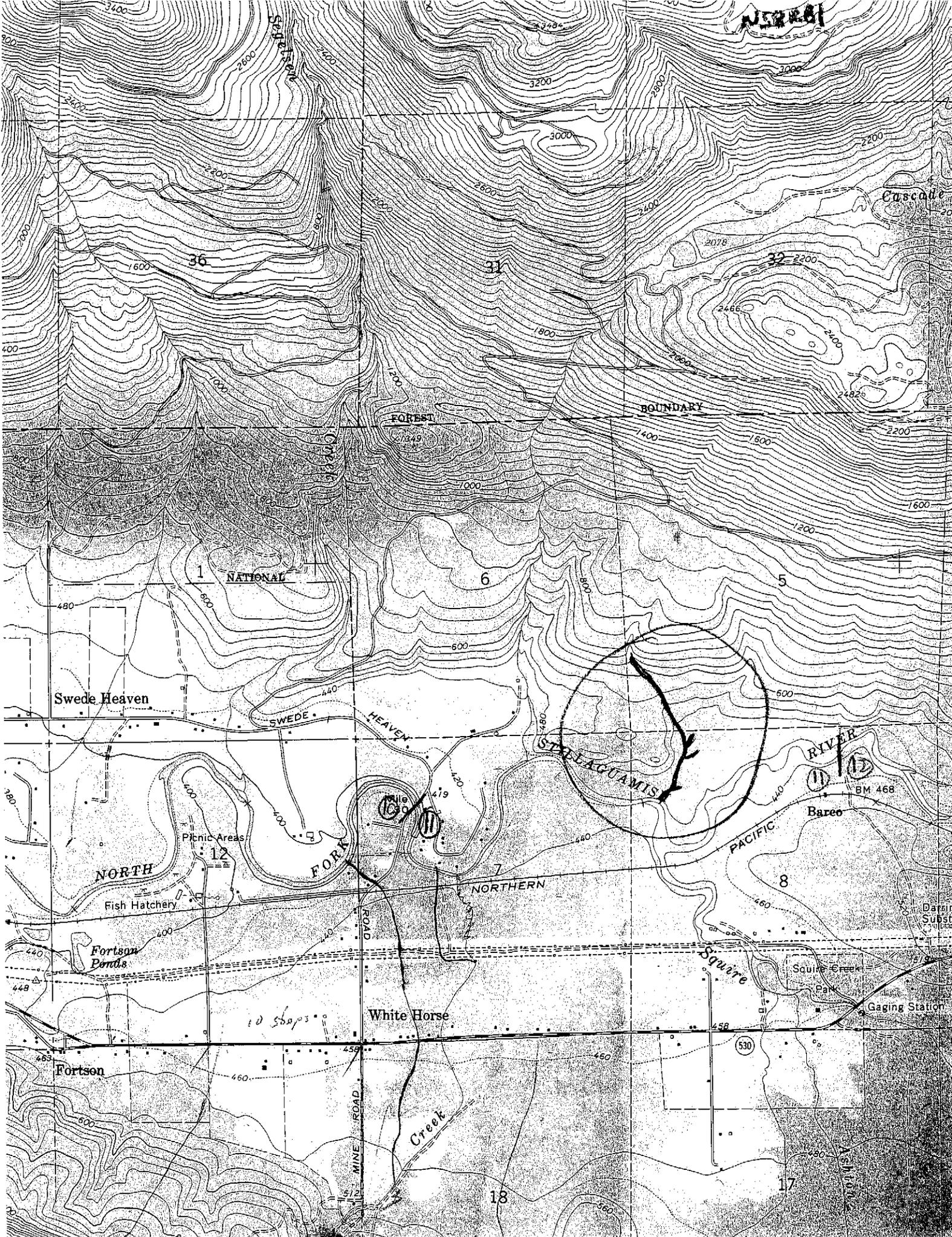
ADDITIONAL COMMENTS: The survey ended as the stream gradient reached 20% and was increasing.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

Site id. code: NSBRB1
 Site name:
 Scale: 1"=100M
 Observer(s): OHS
 Legal location: NW 1/4 S8 T32N R09E





NERBI

Cascade

BOUNDARY

FOREST

NATIONAL

Swede Heaven

STELLAGUAMIS

BM 468

Bareo

NORTH

FORK

NORTHERN

PACIFIC

Squire Creek

Park

Gaging Station

White Horse

(530)

Fortson

MINE ROAD

Creek

18

17

Picnic Areas

Fish Hatchery

Fortson Ponds

Darrin Subst

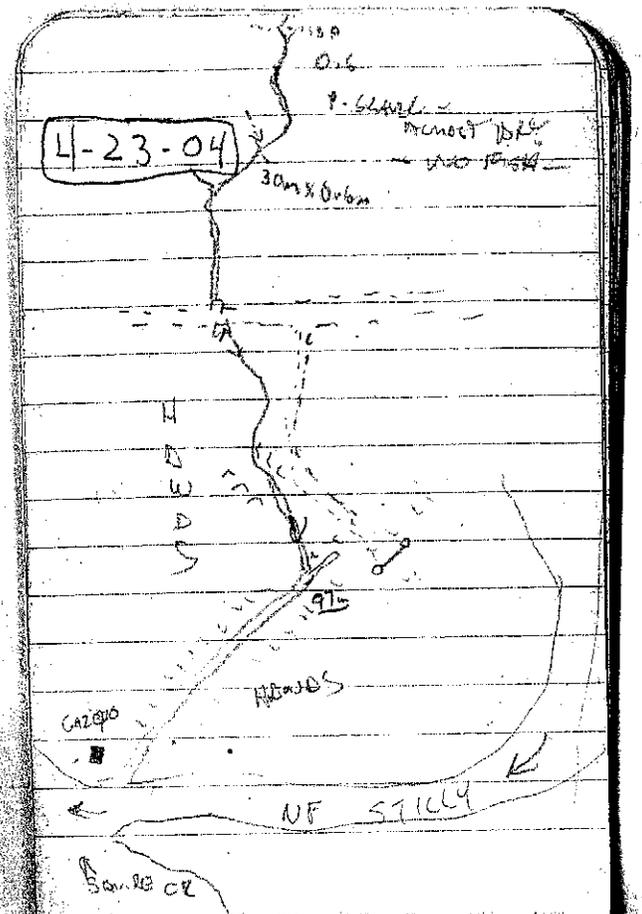
NSBABI

Rm 31.25

NW 1/4 S8 T32N R09E

X- 1711741

Y- 1076804



0.0 ENTRY

0.3 CFS

ACCESS - BDD^o POOL

WT - 46^o

RWS - 44^o

61m was 2.1

- 2^o - POOL / RIFF

- BANK W/ SIDA

- GRAVE / SKA SWSP

- 12m²

97m was 2.8m

- POOL

- @ FOCK

- FLOOD CH ON LB

97m
- MAUSOLEUM ON RIGHT

123m ww 2m - POOL

157m ww 1.7m
- POOL / RIFF 4m E
- @ EDGE OF ROAD,

173m ww 2.5m
- BLOW OUT ALONG ALONG
EDGE OF ROAD 6m WIDE

211m ww 1.1m
- NARROW, HOLLOW. W/ C/S/D
CH. TAKEN AS
MOSTLY RIFF

248m m ww 1.4m
- @ POINT WHERE STAY
CROSS ROAD

273m ww 3m
2 - BRIDS

299m - ww 2.3m
- MUD-BOTTOMED POOL
- SALMON BURST / ALGAE ON
BANKS

306m - UPSTR. END OF CULV.

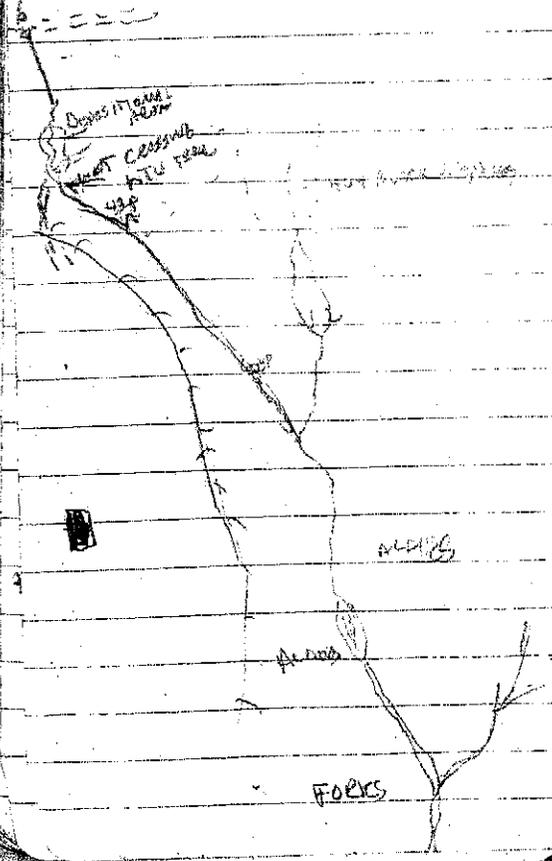
362m ww 2.1m
SLOW - MANY POOLS

362m @ Forks
R Fork HAS 90% OF
FLOW
CONTINUE W/ UP R.F.

381m w w 1.1m
MUDY POOL

400m w w 2m
- TWO BRAIDS
- MUD-BOTTOMED
- WOODY BRUSH

485m w w 0.9m
H⁹ - BANK LACED ✓
- @ BRAD OR FORK



515m w. 0.9 m.

- mostly cliff
- mud-bottomed
- eroded w. pieces

546m w. 2m

Best of the
Heavy black bar.

560m w. 0.9m

End of Street Fork

- @ area where water
is spread out through
brush and 1" deep
- 4.8° 0.1 cpy

Comments

Juv.

- Fish observed
- Flood on lower end
- Intermittent
surface flow

MAWSTEN

Continues along top of
hill

654m

from deposition area

- w. film
- 3-4% R_2
- @ 0.5m deep
- in plantation

748m

~~44m~~ ww @ 1.1m

3-4% - COBBLE - mostly
RICE

@ 0.45m DROF

820m

~~46m~~ ww 1.2m

- 5% GRADE - COBBLE

W SMALL DRAW BRIDGE

855m

~~20m~~ ww 0.9m

- 6% - R. FLOW

@ CULV. - (L. CST RAD)

OF-0.6 - 2m OF FILL

WD 0.04 LENGTH

NOMAT. 16.4

954m

~~30m~~ ww 1m

- 10% GRADE

- COBBLE / SAND

1034m

~~30m~~ ww 1m

15%

- @ BASE OF STREET

CASC. 720%

- 46° 0.2 CFS

(169 P FROM FACE TO

REVERS)