

SITE INFORMATION

Site Identifier : HN2RB4 **Landowner Type :** Private
Site Name : **Landowner Name :**
WRIA : 03.0272X **Address :**
Region : NS **Address2 :**
Trib to : 03.0272 **City :**
River Mile : 0.37 **State :**
River System : Hansen Cr **Zipcode :**
Legal Description : NW1/4 S7T35NR5E **Phone :**
County : Skagit
Habitat Type : terrace tributary

Directions :

From the Highway 20 and Fruitdale Road intersect in Sedro Woolley, take a right and follow Fruitdale Road for approximately 1.6 miles to Kalloch Road. The site is just past this intersection and flows under Fruitdale Road.

Area Overview :

This trib offers 1375 square meters of fair rearing habitat but only the first 202 square meters is accessible because of a culvert barrier. There is a small amount of poor spawning habitat available also.

Field Survey Information

Date : 02/18/1998 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

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

Water Temperature(C): Lower end: 7.2
Upper end: 7.2

Receiving Water Temperature (C): 7.5

Other Observations:

Site Area Measurements: Indirect Direct Combination
 Widths: Channel: 1m Ponds: 5m Wetlands:
 Depths: Channel: 15cm Ponds: 0.5m Wetlands:
 Total length (includes ponds and wetlands): 1112m

Total existing habitat area (est. m2): 1375

Spawning area:	Mainstem: 12	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 202	Tribs:	Total:
Unaccessible habitat:	Mainstem: 1161	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Most of the spawning habitat consists of less than 1" gravel in marginal depths for spawners. 10m of this habitat is above the culvert barrier.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: Consists of a 1m wide channel that is 35% pooled, has good brushy cover with a clay substrate in places.

Describe inaccessible habitat: There is a 5m x 12m ponded area just above the culvert barrier that has some aquatic vegetation in it but lacks bank cover. Above this area is all channel that averages 1m in width, has good bank cover along 60% of it, and is approximately 40% pooled with occasional skunk cabbage.

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: Site will receive some storm water flow off of Highway 9, however there appears to be no evidence of flood damage.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is a pool present at entry.

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

Describe: Site is accessible to both juveniles and adults but there were no juveniles observed or redds found.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: A 6" trout was observed below the culvert barrier, while several juvenile trout were seen above. Apparently, some trout were planted in the small ponded area above the culvert barrier.

ENHANCEMENT OPPORTUNITIES: The culvert at 180m has a 5' drop on it and is a barrier to anadromous fish. Some type of fish ladder would probably be necessary in order to keep the small pond, which the landowner seems to like, and allow anadromous access.

Project type:

Equipment access:

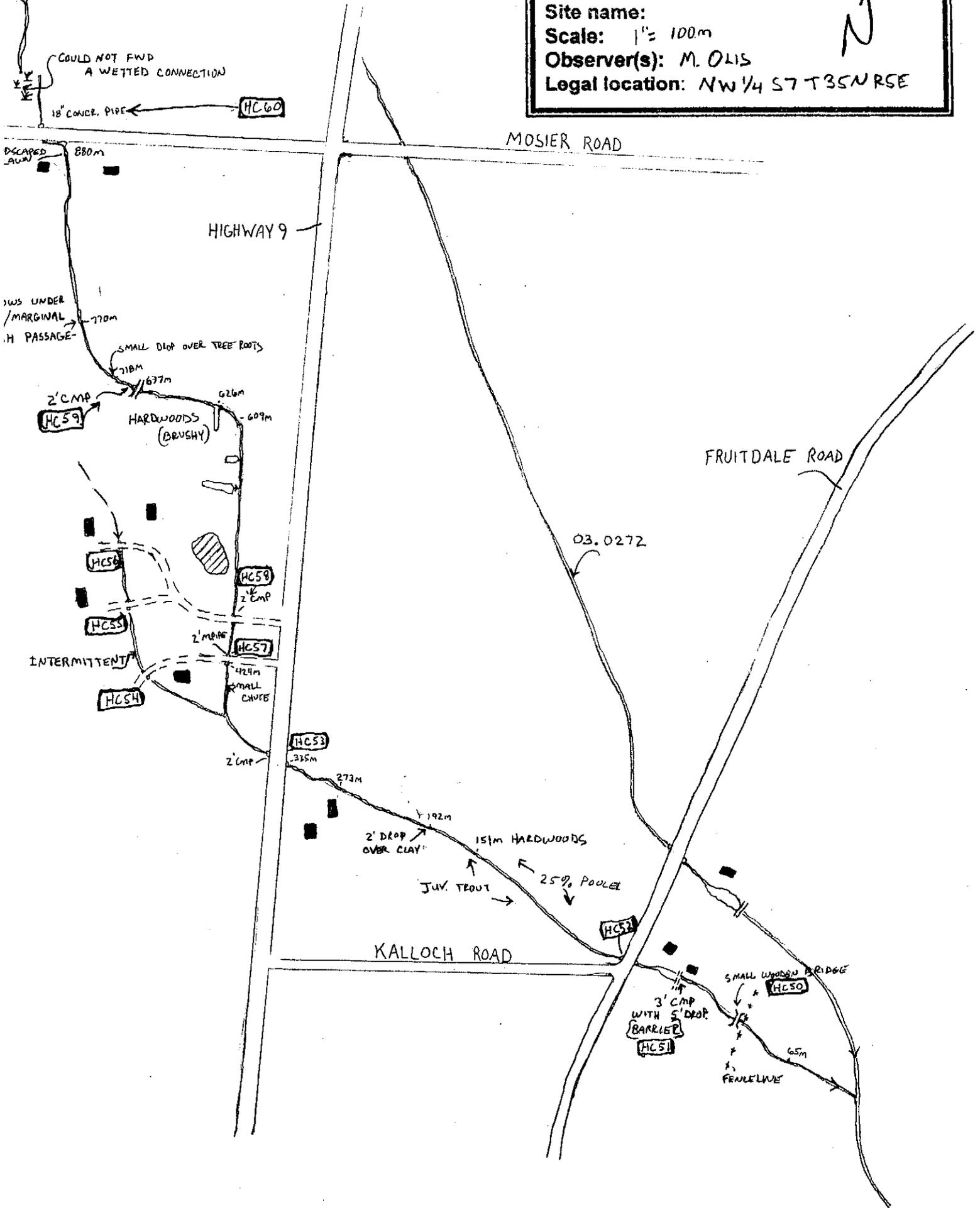
ADDITIONAL COMMENTS: At 192m above the culvert barrier there is a 2' drop over some clay. There were juvenile trout observed to this point, but none observed above.

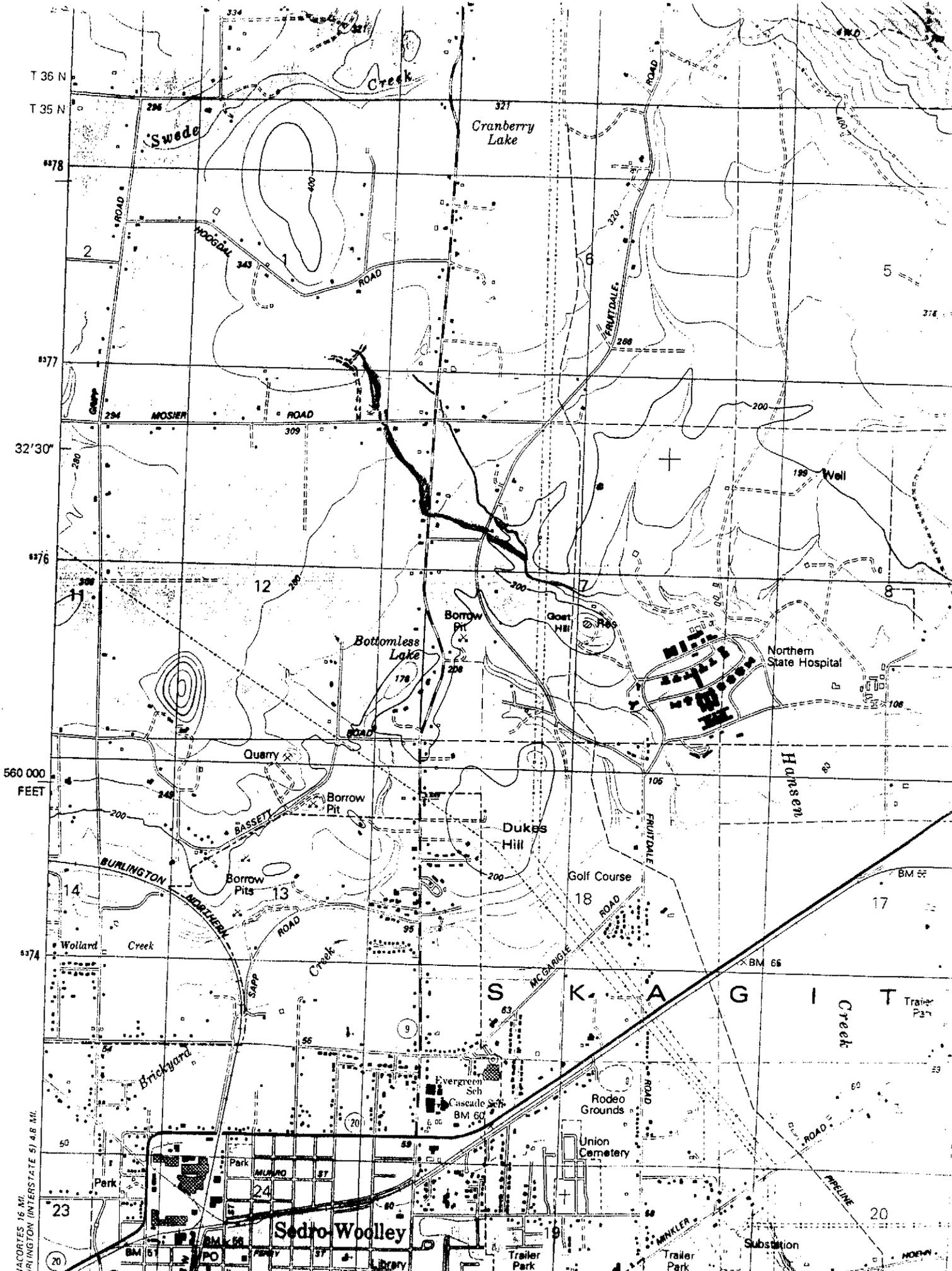
ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

WATER PARSLEY
SKUNK CABBAGE
(10-20m diameter trees
For at least 120m)

Site id. code: HN2RB4
Site name:
Scale: 1" = 100m
Observer(s): M. OLIS
Legal location: NW 1/4 S7 T35N R5E





560 000 FEET

MACORTES 16 MI.
BURLINGTON INTERSTATE 51 4.6 MI.

Sedro-Woolley

S K A G I T

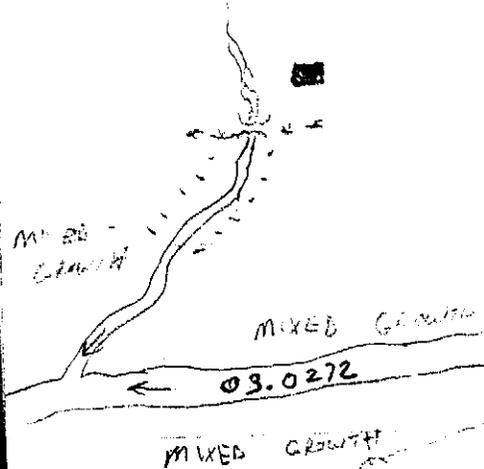
2-18-98

HN2 RB4

RM 0.375

NW¹/₄ 57 T35 NRSE

TRIB TO 03.0272



O.O ENTRY

- FLOW - 0.1
- WTR TEMP. - 45
- R. WTR TEMP. - 45.5
- POOL @ ENTRY

65m WW 1m

- 30% POOLED
- 2m² SP. HAB.
- MOSTLY COBBLE SUBSTR.
- w/ SOME CLAY SPRAWLING

109m WW 1.5m

- BETTER BRUSH COVER
- 6" FRONT STEM

109m... SMALL REDD.
PROBABLE CUTTHROAT
- @ 10" DROP & SMALL
CHUTE AS WELL AS
FENCELINE & WOODEN
FOOT BRIDGE.

180m w/w 1m
- 40% POOLED
- @ CULVERT &
425' DROP END OF THE
LINE FOR ANADROMOUS
PASSAGE.

- ~~50m~~ POOL ABOVE
CULVERT \approx 50m
TO FRUIT DALE ROAD.



AND 3' CMP.
THERE IS HABITAT
ABOVE THE ROAD THAT
IS UNACCESSIBLE.

COMMENTS

- LOW FLOOD POT.
- 2-4 MZ SP. HAS.
- INTERMITT.?
- FROUT SEEN & REDD.
- WILL INVESTIGATE
HAS. ABOVE ROAD LATER.

181 m SEVERAL
JUV SACM. SEEN,
SOME TROUT,
- 25% POOLED.

192 m WW 1.5 m
- MOSTLY CLAY SUBST.
- 2-6" TROUT SEEN
- @ 2' DEEP OVER
CLAY. DOESN'T
LOOK PASSABLE
TO JUV.

205 m WW 1.5 m
- @ ~~R~~ ON RB

235 m 3 m WW
- SPREAD OUT & SHALLOW
AS IT FLOWS THRU
VEGETATION, CANALS, etc.
- MUCKY SUBSTR.

273 m WW 1 m
- SOME < 1" GR
- 2 m² SP HAB
- @ HOUSE ON RB

335 m WW 1.5 m
- 4 m² SP HAB (> 1" GR)
- 40% POOLED
- @ 2' DEEP 94%
HWY 9.

424m @ 2' ~~0~~ M PIPE

DRYWAY

WW 0.5 m

MOSTLY RIFF

- 1'-2' DROP - MARG.

SUN PASSAGE ABOUT

@ 414m

456m WW 1m 50/50

- @ 2' CMP &

DRYWAY

562m WW 1m

- BLACK BELLY - HARDWOOD
STRIP.

- @ OUTLET TO 10M X

30M POND

562m ... LOOKS LIKE
IT MAY BE ACCESSIBLE
DURING HIGHER FLOW

584m WW 1m

MUD/SAND SUBST.

- ANOTHER POND ON

AB - 12M X 4M WIDE

- ACCESSIBLE DURING
HIGHER FLOW.

609m WW 1m

- PULLS AWAY FROM
ROAD SOME WHAT?

626m WW 2m
mucky SUBSTRATE

- SPREAD OUT - IN
HARDWOODS AND
SHIMAN BERRY.
6m x 20m POC. ON RB

697m WW 1m
- SLOW - MOVING
- SKUNK CABBAGE
- HEAVY RUBBISH
- @ 2' CMP OLD GROVE
PASSABLE

718m WW 1m
- @ 3' WIDE OVER
ROOTS - MARGINAL JUV
PASSAGE

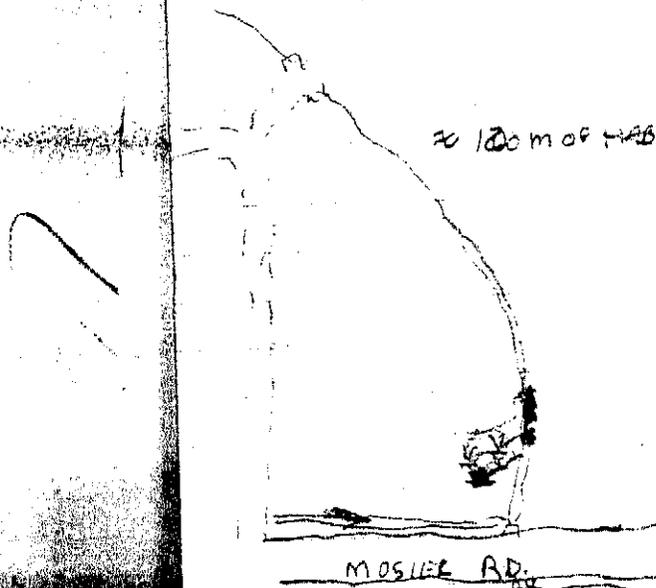
770m WW 1m: 50/50
STRM FLOW UNDER
LOG, MARG FISH PASSAGE

880m WW 1m
- LAST 20m THRU
LANDSCAPED LAWN
- @ ~~HILL 20~~ RD
BELOW

892m WW 0.5m
- DITCH ALONG RD.
- @ 18" CONC
ROUND PIPE

1011m WW 1m
- ~~slow moving~~
MUCKY

3/11/98



FROM MOSIER RD.
CULVERT

899m 1' DROP
W³ - 0.5m

907m
~~1.5m~~ - WW - 5m
- 1.5' DROP
- JUV. MAY BE ABLE
TO GO AROUND DURING
HIGHER FLOWS.

932m
~~1.5m~~ - WW 10.5m
- MUCKY SKUNK CABBAGE
- SITE IS DRYING
OUT.

~~40M~~
HEAVY BRUSH

- END OF ANAD. ZONE
- THE STREAM SPREADS OUT IN AN AREA OF CANARY GRASS AND ~~IT~~ I WAS UNABLE TO DETERMINE A WETTED CONNECTION TO THE HABITAT ABOVE.

- GROUNDWATER FED
- LOW FLOODING
- YEAR ROUND FLOW
- SOME SPAWN. HAB.
- & FISH USE ABOVE FRUITDALE RD. → PROB.

SOME ~~FISH~~ TROUT PLANTED IN POND.

① N. J. 10 20 1971