

SITE INFORMATION

Site Identifier : SA6LB1 **Landowner Type :** Private
Site Name : **Landowner Name :**
WRIA : 03.0673X **Address :**
Region : NS **Address2 :**
Trib to : Sauk R **City :**
River Mile : 18.15 **State :**
River System : Sauk R **Zipcode :**
Legal Description : SE1/4S6T32NR10E **Phone :**
County : Snohomish
Habitat Type : terrace tributary

Directions :

Take Highway 530 from Darrington and head towards Rockport. Go approximately 2.7 miles to a private drive on the right (there is a sign that says "slow down" at beginning of driveway). Drive to the end where there are a couple of mobile homes and a house overlooking the river. The site is located at the toe of the hill on the bench just below the homes.

Area Overview :

This terrace trib is spring fed with some river perc, lower sections will dry up during summer months, and it is loaded with coho juveniles. Although the landowner claims that this bench has only flooded once in 33 years, the ever moving Sauk River is headed this way.

Field Survey Information

Date : 04/01/1997 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: (X) Spring (X) Groundwater () Surface runoff

Flow: (X) Intermittent () Year-round

Estimated Flows (cfs): Lower end: 1
Upper end: None

Water Temperature(C): Lower end: 8.3
Upper end: 7.2

Receiving Water Temperature (C): 4.7

Other Observations:

Site Area Measurements: () Indirect (X) Direct () Combination
Widths: Channel: 4m **Ponds:** **Wetlands:**
Depths: Channel: 30cm **Ponds:** **Wetlands:**
Total length (includes ponds and wetlands): 764m

Total existing habitat area (est. m2): 3,317

Spawning area:	Mainstem:	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 3,317	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: This site has mostly slow moving and pooled habitat. There is a 110m by 6m pool at the toe of the hill in open horse pasture. It is choked with aquatic vegetation but is lacking in overhead cover. The rest of the site is mostly slow moving, shallow and has good overhead cover. It also has a silty/mud substrate with good structure within the channel. There is small amounts of water parsley and skunk cabbage present. Water temperatures will probably be on the warm side in the winter and on the cool side in the summer.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: There is no evidence of any recent flooding on this site except at the first 38m on the lower bench area. The landowner claims that this site has only flooded once in the 33 years he has lived here but he is worried because the river has moved closer over the past few years. The adjacent landowner upriver from him has diked a section of this bank, preventing the river from moving this way so far.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is a one foot falls with a good plunge pool at the entry as well as a good eddy pool. However, access will be limited during the summer months as lower sections dry out.

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

Describe: Coho juveniles have access and do get good use out of this site as several juveniles were seen throughout the site. Adult coho could access this site but I would not expect them to use it as there is no spawning habitat available.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: This site is also accessible to trout and I would expect that they would get good use out of this system too.

ENHANCEMENT OPPORTUNITIES:

Project type: At 226m up this site, there are twin, 2' culverts that are set at about 6%. They appear to pass fish but one larger pipe, set flat would greatly improve fish passage or possibly, the landowner could be talked into removing the culverts, since it appears to be just a horse path over the culverts. Also there are two pastures that this system flows through. There are three horses in one field and about eight cattle in the other. It might be a good idea to fence along the creek to keep them out.

Equipment access: There is good access for heavy equipment down to the site.

ADDITIONAL COMMENTS: It is highly probable that the river will reclaim this site, but I think that at least dealing with the culverts is feasible because it may take many years before the river succeeds, especially with the dike that is present upriver from this site.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

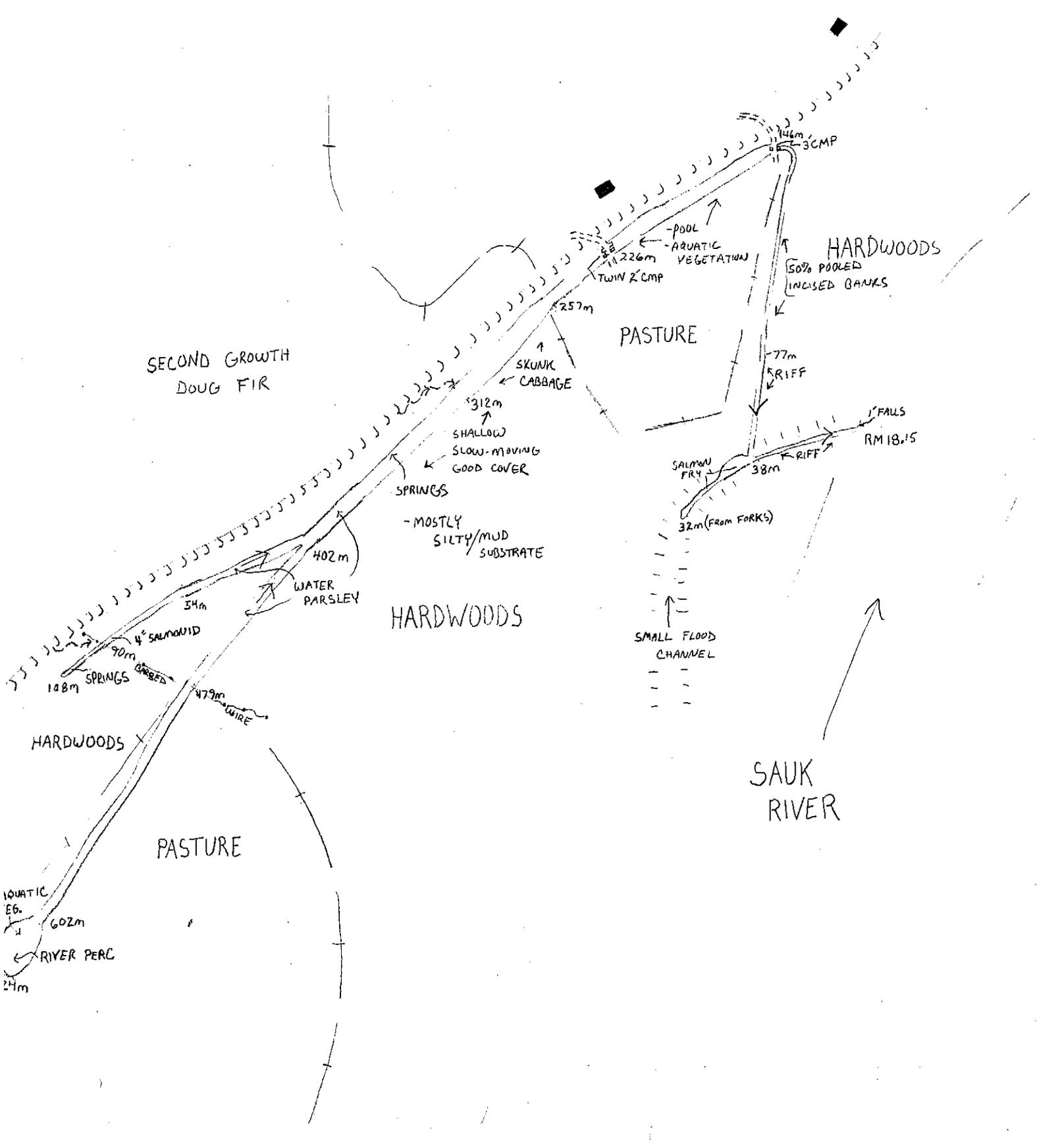
Site ID code: SA6LB1

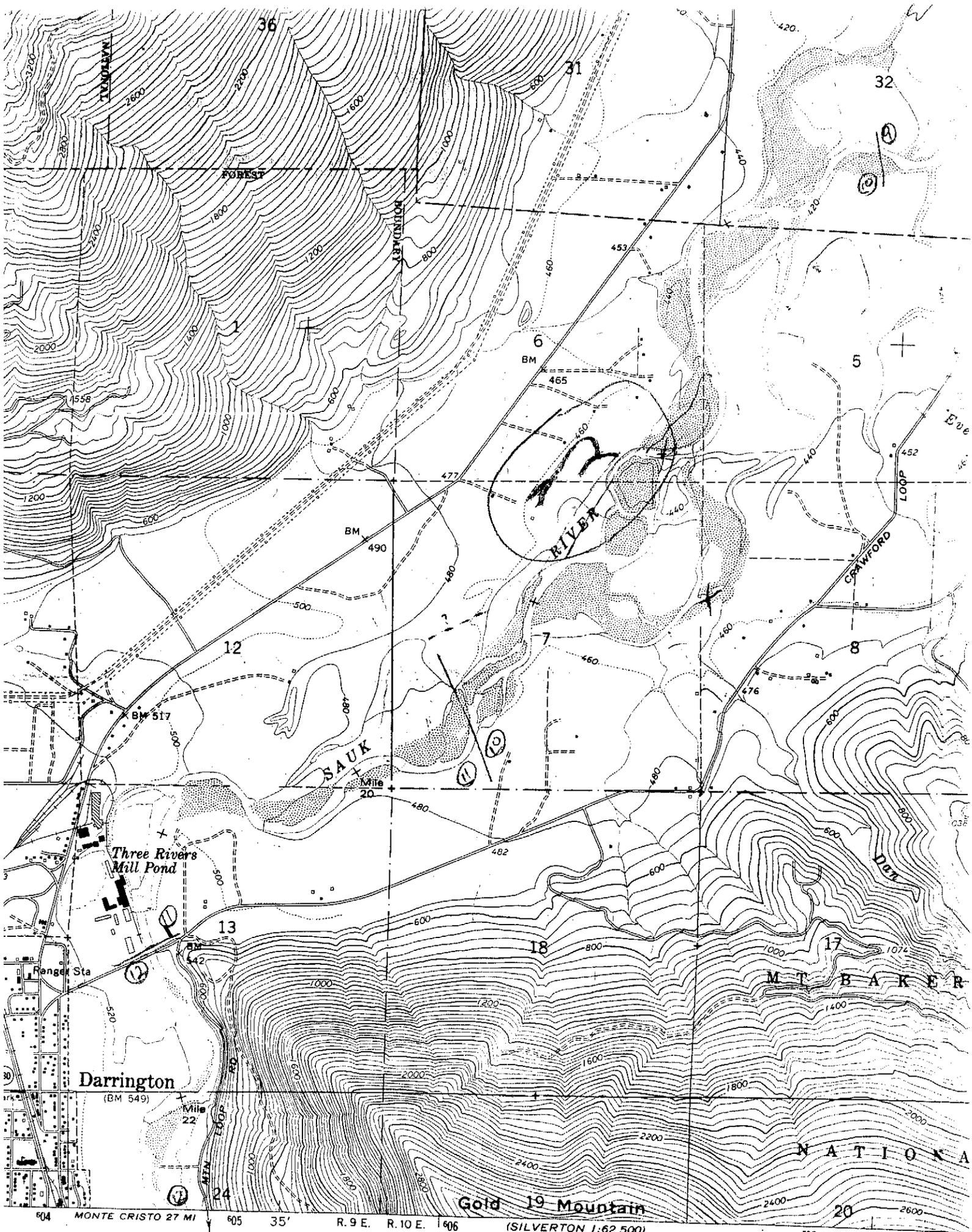
Site name:

Scale: 1" = 50m

Observer(s): M. OLIS

Legal location: SE 1/4 S6 T32 N10E

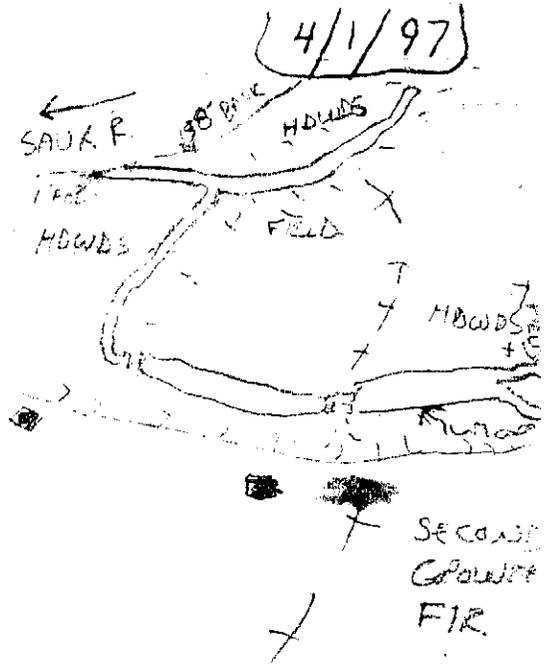




SAG LBI

RM 18.15

SE 1/4 S6 T32N R10E



HOV 530

0.0 ENTRY

- FLOW - 1 CFS
- WTR TEMP - 47°
- REC WTR TEMP - 40.5°
- ACCESS - EDDY POOL - 1 FALLS
W/ GOOD PLUNGE POOL

38 m WW 1.5m RIFF

- MUDDY SUBSTRATE
- @ FORK - IF HAS ALL OFF THE FORK
- FOLLOWING E FORK ON
LOWER BENCH -
RE ZERO -

13m WW 5m POOL

- 1m DEEP
- LEAVE BOTTOM ED - MUD

13m... FULL OF COHO

JUV.

• WTR SEEMS TO BACKWATER INTO THIS FORK.

32m WW 2m - POOL

- 6" DEEP

- END OF WTR.

- CHANNEL CONTINUES

- ISOLATED POOL 30m FROM THIS POINT

- THIS PORTION IS A FLOOD CHANNEL BUT DOESN'T SEEM TO GET HIT TO HARD. [LEAVES ON BANKS & SUBSTRATE]

WTR TEMP. - 46°

CONTINUE W/ MAINSTEM

@ FORK @ 38m... (L FORK)

77m WW 2m

- MOSTLY RIFF

- BANKS INCISED 6"

- MUD BOTTOMED

- GOOD COVER FROM

HARDWOOD & W/VE MAPLE STRIP

146m WW 2m 50/50 P/R

- FAIR AMOUNTS OF LOGS CREATING SOME POOLS

- @ 3' CMP SEEMS

100% PASSABLE

- GOOD COVER TO THIS POINT

150m UP STRM END OF
CULVERT.

226m WW 6m POOL

- FULL OF VEGETATION & JUVENILES
- NO COVER ON BANKS
- APPEARS TO DRY OUT?
- @  TWO 2' CMP
- CULVERTS 80% PASSABLE
- SET @ 8% SUBMERGE

257m WW 6m

- SLOW MOVING CHOKED WITH VEG.
- BACK WTD COVER FROM THIS POINT

TTTTTTTTTT

312m WW 8m

- SLOW MOVING SHALLOW
- ORGANIC/MUD SUBSTRATE
- WTR - 3-6" DEEP
- GOOD BRUSHY COVER
- SMALL SEEP ON LEFT BANK THAT FOLLOWS TERRACE WALL FOR 100m ENDS IN SERIES OF ISOLATED POOLS @ WALL BASE
- SKUNK CABBAGE & SMALL AMOUNTS OF WTR PARSLEY PRESENT.

345m WW 6m

- SOME HOLES WITH WATER COMING OUT / RIVER "PERC"

402m WW 6m

- SLOW-MOVING
- GOOD AMOUNTS OF S.W.D.
- LOADED W/ WATER PARSLEY

- @ FORK 2/3 FLOW OUT OF RIGHT FORK GOING UP RF

499m WW 4m

- @ BARBED WIRE FENCE & FIELD ON RB

602m-WW 3m

- CATTLE HAD FREE ACCESS TO CREEK

- SLOW MOVING - SILTY SUB.
- LESS COVER ON BANKS

624m WW 16m POOL

- END OF WTR.
- WTR BOILING OUT OF SUBSTRATE
- AQUATIC VEG. IN SMALL POND AREA
- WTR TEMP 45°
- BACK TO LF @ 402m
- REZERO-

20m WW 4m

- SHALLOW - SLOW MOVING
- SILTY-MUD BOTTOMED

20m ... SMALL PERC

- JUST BEYOND FORKS

54m WW 3m

- SEEP ON LB

- WTR PARSLEY

90m WW 2m

- 30/70 P/R

- SMALL AMOUNTS OF
COBBLE PRESENT

- SEEP ON LB

108m WW 2m POOL

- WTR BOILING OUT OF GROUND

- 4" SALMONID SEEN

- SOME SM. WOODY DEBRIS
END OF WTR. 45°

COMMENTS

- MOSTLY RIVER PERC W/
SMALL AMOUNTS OF WAUCBAE SEEN

- TALKED TO LANDOWNER - SAYS
ACCESS DRIES UP 2-3 MONTHS
IN SUMMER.

- JUVENILES THROUGHOUT.

- NO SPAWNING HAB.

- GOOD REARING - GOOD
WTR TEMPS - GOOD COVER
& STRUCTURE.

- LANDOWNER SAYS IT
FLOODED ONLY 33 YEARS
AGO.

- ~~THE~~ SOME CATTLE HAVE
ACCESS

- ENHANCEMENT? RIVER HEADED
THIS WAY.