

Unaccessible habitat: Mainstem: 23747 Tribs: Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: The gravel size ranges from 1" to 4"; there is a fair amount of instream cover and overhead cover on the banks. The majority of the accessible spawning habitat is located downstream of Engebretsen Rd.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: There is 307 meters of habitat from the site entry to Engebretsen Rd. The channel averages 3.2 meters in width and is mostly slow-moving and pooled with a mud substrate. From 221 meters to 254 meters, there is a bedrock riffle with a strong, oily odor present. Upstream of Engebretsen Rd is an old private trout farm that is not in operation any more. There is a series of flumes and culverts present to create small rearing ponds. These structures are JO19,JO20,JO21,JO22,JO23 and JO24 in the culvert inventory. There is a raceway structure (JO24) that is 170 meters upstream from Engebretsen Rd and this blocks fish passage to the 23747 square meters of fish habitat upstream.

Describe unaccessible habitat: Immediately upstream of the raceway structure is a small, man-made pond that is 126 meters long by 39 meters wide. There is a raceway structure on the right bank that runs the full length of the pond. At the head end of this raceway there is a water diversion structure (JO25) that can be adjusted to direct flow into the raceway or into the head end of the pond. At the head end of the pond this system forks. The right fork has the water diversion structure (JO25) and this is 18 meters upstream of the pond. Upstream of the structure, the channel averages 1.7 meters for the first 115 meters with a gravel substrate. From 115 meters to the end of this fork at 735 meters, there is a series of beaver dams and that is located at the base of forested terrace wall. Back at the head end of the man-made pond, there is a left fork that is 372 meters long. It is a beaver/marsh complex that is situated at the base of a terrace wall. On the day of the survey, the beaver dam was opened up and the pond was significantly dewatered.

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: The initial 107 meters of the site shows signs of past flooding with incised banks and good amounts of LWD in the channel. Upstream from this point, the site appears stable as it sits on a bench that has several houses between it and the river.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is an eddy pool at the entry area.

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

Describe: Coho adults have been documented in this site. Access is limited by the raceway structure that is located 477 meters upstream from the mouth of this site.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: Trout have been observed in the beaver pond complex in the right fork upstream of the man-made pond.

ENHANCEMENT OPPORTUNITIES: Providing fish passage through the raceway structure (JO24) and the water diversion structure (JO25) would allow coho access to 23747 square meters of excellent rearing habitat and a small amount of good spawning habitat.

Project type:

Equipment access: There is a drivable road to the structures.

ADDITIONAL COMMENTS: At the head end of the left fork above the man-made pond, the water begins to flow in a northerly direction, away from the site.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

SF STILLAGUAMISH R.

Site id. code: S54LBI
 Site name: TROUT FARM CR
 Scale: 1"=60M
 Observer(s): ONS
 Legal location: SE 1/4 S11T30R6E

SLOW-MOVING & POOLED
 INCISED BANKS
 SILTY BANKS & SUBSTRATE
 GOOD LWD

OLD BEAVER DAM SITE
 MOSTLY POOLED
 SOME WATER CRESS

SEVERAL COHO BEARS
 BEDROCK RIFFLED

SOME SPAWNING GRAVEL & REDDS

ENGBRETTSEN RD.

CONIFERS
 WATER FLOWS TO THE NORTH

CONIFERS

BRUSH
 DEWATERED BEAVER POND

MAN-MADE POND
 39m WIDE BY 126m LONG

J024

J020

J021

J022

J023

OLD CONCRETE RACEWAY STRUCTURE

J025
 INCISED BANKS

40% POOLED GRAVEL SUBSTRATE

RECENT TREE HARVEST

WELL WATER INTAKES

CONIFERS

FORESTED TERRACE WALL

14% GRADE
 GRAVEL SUBSTRATE - GOOD SPAWNING GRAVEL
 MOSTLY RIFFLED
 CUTTHROAT & REDD

CLEAR CUT

LARGE BEAVER POND
 SAVAGES
 GOOD AMOUNTS OF LWD

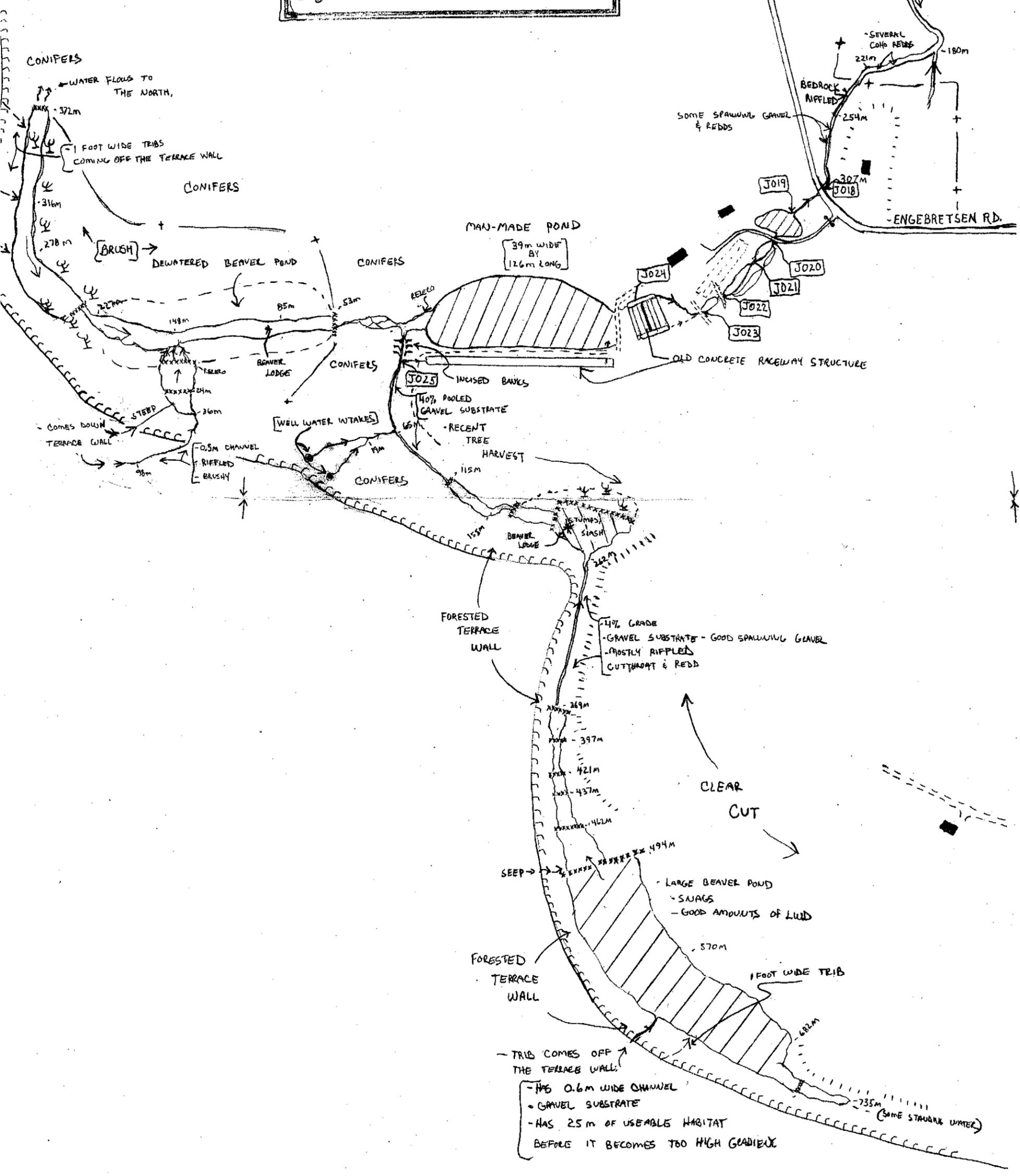
FORESTED TERRACE WALL

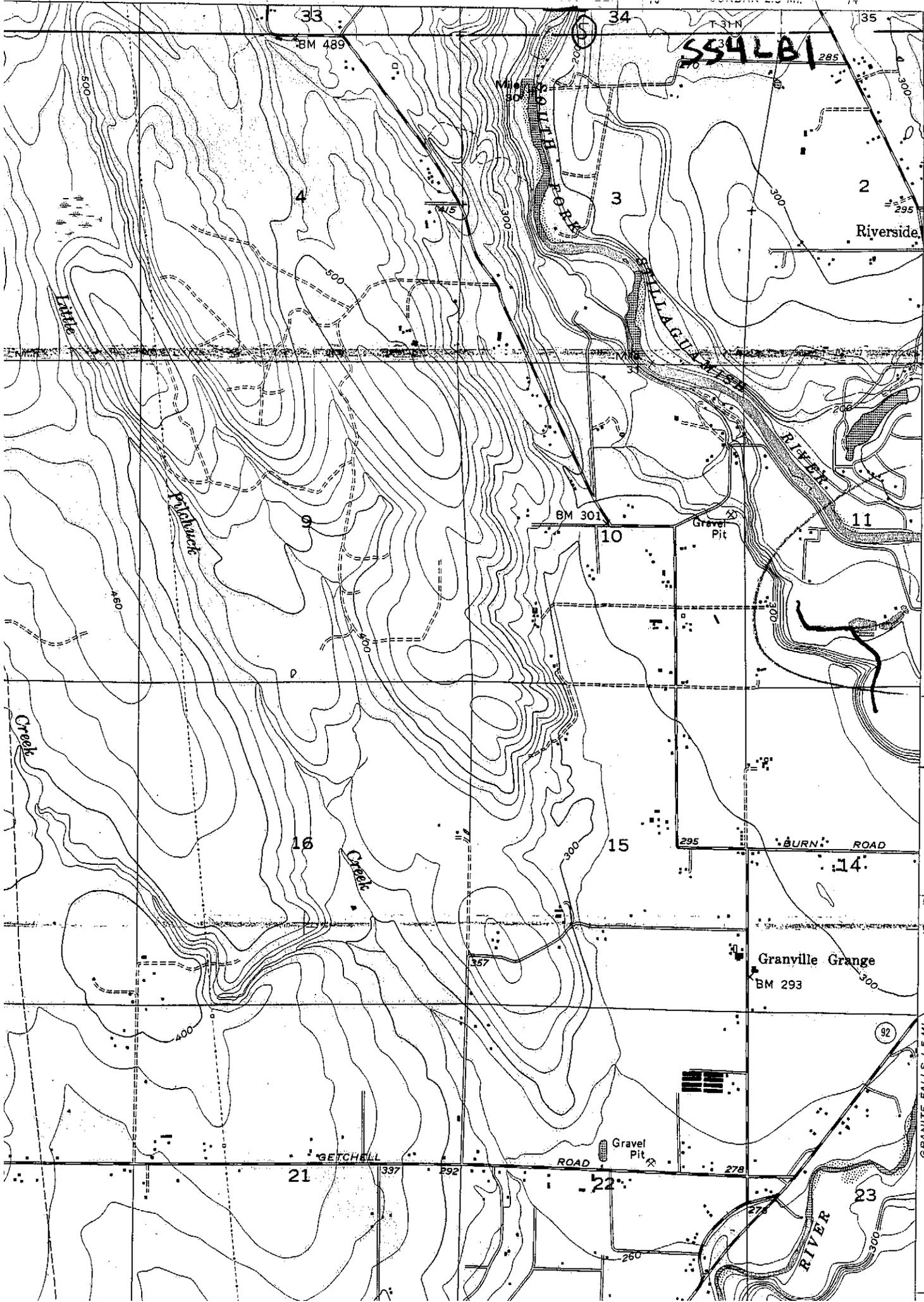
1 FOOT WIDE TRIB

TRIB COMES OFF THE TERRACE WALL

0.6m WIDE CHANNEL
 GRAVEL SUBSTRATE
 HAS 25m OF USEABLE HABITAT BEFORE IT BECOMES TOO HIGH GRADE

(SOME STAGNANT WATER)





410 000 FEET

GRANITE FALLS 3.5 MI.
MONROE 26 MI.

5328

5327

5326

GRANITE FALLS 1.5 MI.

SS4LBI

Graville Grange
BM 293

BURN ROAD

Gravel Pit
ROAD

GETCHELL

Riverside

22

21

14

15

16

11

10

9

3

4

2

33

34

35

23

337

292

278

260

92

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SS4 LB1

RM 31.85

SE 1/4 S11 T30N R6E

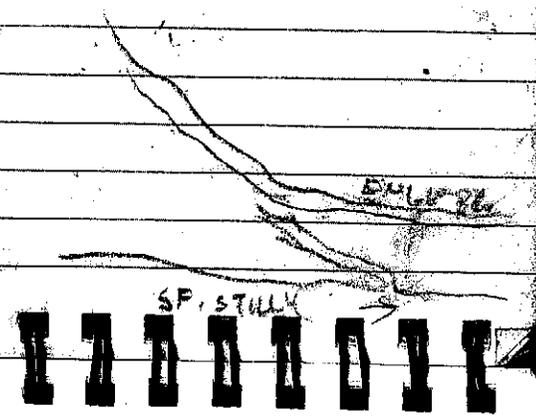
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1.2.

2-4-02

LOWER REEF FACIES



OLD BARR

FLOW - 2.5 CFS - TRID 0.2

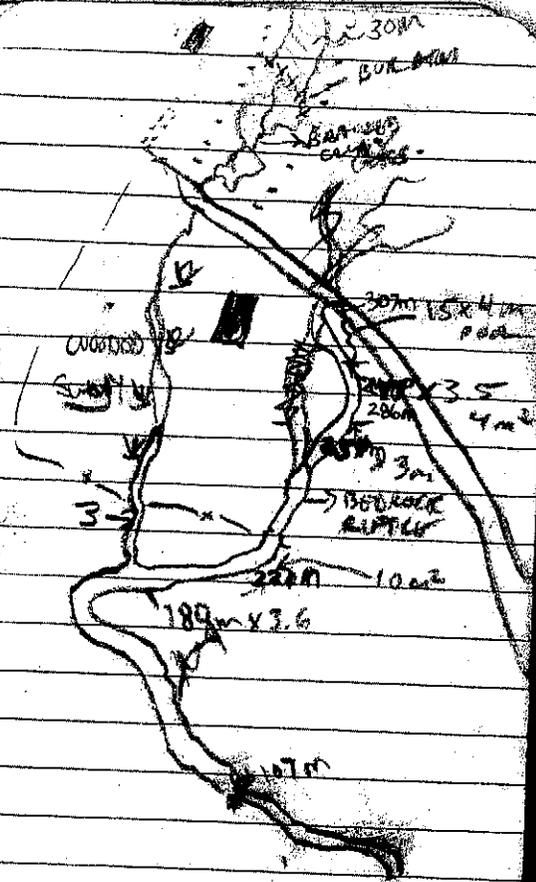
ACCESS - GOOD

WT - 40° - TRID 39°

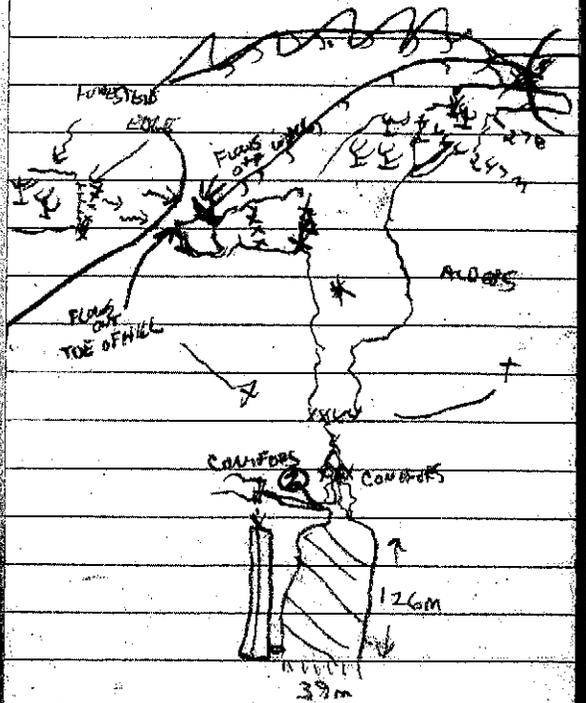
RWT - 37.5°

107m W/W 2.4m

- slow-moving & pooled
- twisted banks
- silt substr.
- good LWD
- (D) OLD BUR ATM
- SITE (POOLED BAY)



2-20-02



REZERO @ HBRM ~~REDO~~
OF POND

27m WW 7m

- SLOW. V. W. SHALLOW
- FLOWS THROUGH TRBER
- SOME W. PARTS OF GR. CABS.
- SILT / SAND SUBSTR.
- @ REMAINS OF 6m
SUBSTR 6m

33m WW 5m

SHALLOW POOL

53m WW 2m

- 70% POOL
- GR. / COBBLE SUBSTR.
- 4m - 1/2" - 4" COARSE
GOOD COVER

53m

- @ BASE OF
- 11m BUR DAM X 2m HIGH
- DAM HAS BEEN OPENED UP AND POND PARTIALLY DEWATERED
- FROG OBSERVED
- CUTTLEBUTTER POND

85m WIRE BM

- MUD-BOTTOMED
- LOTS OF LWD
- EXC. ROCKS

148m WIRE BM SLOW-MOV.

(POOLED)

DEWATERED POND 2 30m



BUR DAM AND SMALL POND ON RB

222m WIRE 20m

- DEWATERED POND
- LOTS OF WOOD
- CATTAILS

247m WIRE 10m

(a) LOW BUR DAM

278m WIRE 20m

BRUSHY MARSH

- DOG LILY PLANT

289m @ BASE OF POND/MARSH

289

THERE IS A 1.5'
TRIB THAT COMES OFF
THE FOREST WALL
THAT FEEDS THE
MARSH 49° ⇒ 0.2 CFS

316m - PARALLELING
T. WALL.

- @ 1' WIDE FOREST
TRIB THAT COMES OFF AT
WALL
BRUSHY MARSH (20m)

377 - ANOTHER
- 1' TRIB OFF T. WALL
- MORE LIKE SWAMP

- @ FORESTED EDGE
- THERE IS A BEAVER
DAM @ FORESTED
EDGE KEEPING
WATER IN MARSH
AS THE WATER SEEPS
IN THE OPPOSITE
DIRECTION ON FORESTED
SIDE OF LOW BUR
DAM.

WRE ZERO BACK @ BUR
DAM ON RB @ 148m -
- 24m LOW BUR DAM

18m CW 24m
- POOL

@ 20m LONG BUR DAM

24m WW 20m POOL
- NECKS DOWN WFO
CHANNEL

- BOTH SMALL POUNDS
- HAS SILT/MUD BOTTOMED
- (GOOD) WEED
- SOME AQUATIC VEG.

36m WW 8m POOL
@ HEAD END OF
POND

- SMALL TRUB COMES
OFF HILL
- SMALL AMOUNT OF GRAVEL
- 2m²

98m WW 0.5m POOL

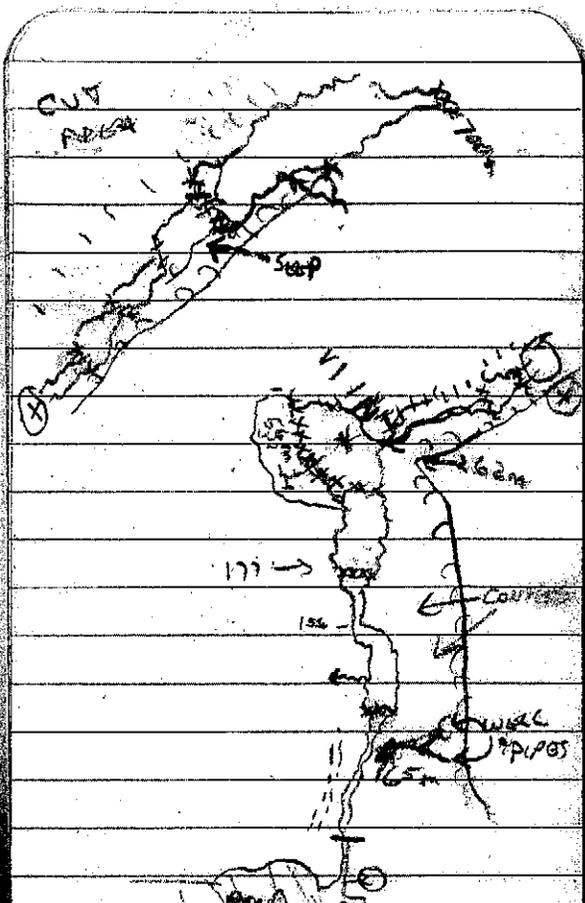


- SHALLOW -
REF MOSTLY RIFFLED
END OF SURVEY

- REZEROING BACK OF
HEAD OF POND &
GONG UP R.F. (2)

18m WW 1.3m

- RIFFLED - 9%
- COBBLE - INCISED BANKS
- @ WATER DIVERSION
STRUCTURE / ALMOST
ALL THE WATER BEING
DIVERTED INTO
RAILWAY.



65m WW 1.6m
 - S 16 mm / PAVED
 - 3m² SP. HAB
 P - ~~GRAVEL~~ 1" GR
 - HEAVY W/ WATER PANS. 6-0
 LB - MAY HAVE BEEN
 SMALL AVF. POND

115m WW 1.7m
 - POOL RIFF
 - GRAVEL SUBSTR 6m²
 - SP. HAB 1/2 -> 4" GRAY
 - REDD (2x1) PLAG. CUTTING
 - (C) BRUSHY DAM, 2m LON

155m WW 9m
 S - SHALLOW POND
 BRUSHY - RECENTLY CUT

177m WW 5m POOL

- @ 14m BVE DAM

206m WW 12m POOL

- @ 25m LONG BUR DAM

- BVE LODGE JUST ABOVE

262m 25m POOL

- SHALLOW POOL W

- RECENTLY CUT AREA (BUSH)

LOTS OF STUMPS / SCASSA

- EXCELLENT READING

- 6" TRACK GO STRAIGHT

- @ UPPER END OF POOL

300m WW 2m

- MOSTLY RIFFLED

- 13m² SP. HAD

1"-4"

- LACKING COVER

- CUTTHROAT & BUSH

OBSERVED

343m WW 1.5m

- 16m²

- 40% GRADE

- MOSTLY RIFF

369m WW 1.5m

- RIFFLED

@ 18m BVE DAM

383m ww 15m

- small pond

397m 6m Pool

- @ 1m Long BUR DAM

- STILL HAVE TERRACE

WALL ON LB

421m ww 10m

- @ 9m Long BUR DAM

~~ww 9m~~

437m ww 7m

@ 10m BUR DAM

~~437m ww 10m~~

@ ~~10m BUR DAM~~

~~DAM~~

494m ww 25m

- YOUNG BUR POND (SNAGS)

- @ 65m (LARGE) BUR DAM

- BREACHED IN CENTER

~~FLEE P OFF TERRACE~~

WALL ON LB - 0-1 CES

IMMEDIATE DOWNSTEP

OFF DAM

THE POND IS LOW LEVEL

DAM IS 2m HIGH

570m ww 45m

- BUR POND SNAGS

- @ 40m BUR POND

609m ww 40m POND

- SNAGS

@ LB TRIP OFF YOUR WALL

609m

- TRIB IS 0.6m
- WIDE 0.2 CFS
- SOME SPRINKLING
- GRASS @ LOWER
- END
- 25m of USABLE
- MAR. BORDS ITS TOO
- HIGH GRAD,
- MARG. SMOIL FOR
- RIGHT MAR

629m WW 45m

- 1' WIDE TRIB ON
- LB - 2m²

692m WW 85m

- SWAG - FILLED POND

700m WW 8m

- @ 8m Low BUR Dtm

735m WW 2m

- STANDING WATER

SURVEY ENDED

- WITH BOUSA FILLED

SMALL SWALE W/

STANDING WATER

UPP. E47°

- NO PLOW

RELRO AT 65m.

ON LB TRIB

79m WW 61m

- 5% MOSTLY RUFF

- 4m²

19m @ Fork

- EACH FORK CONTAINS
FOR 55M TO

A CATCHMENT AND
PIPS FOR WATER

- EACH FORK IS
1.5008.

RWT 40°

LWT - 47.5°

FLOW - 1.5 CFS