SITE INFORMATION

Site Identifier : SA11RB4
Site Name :
WRIA : 03.0673X
Region : NS
Trib to : Sauk R
River Mile : 36.90
River System : Sauk R
Legal Description : SW1/4S32T31NR11E
County : Snohomish
Habitat Type : terrace tributary

Landowner Type : Federal
Landowner Name : USFS
Address :
Address2 :
City :
State :
Zipcode :
Phone :

Directions :
Take the Mountain Loop highway out of Darrington for approximately 13 miles. Stream crosses under the highway approximately 300m past gravel pit.

Area Overview :
This terrace trib offers small amounts of over-winter rearing and spawning habitat. The lower end of this bench does get affected by flood events.

Field Survey Information

Date : 10/28/1996 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

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

Flow: ( ) Intermitent (X) Year-round

Estimated Flows (cfs): Lower end: 2
Upper end: 1.75

Water Temperature(C): Lower end: 7.7
Upper end: 7.2

Receiving Water Temperature (C): 6.6

Other Observations: The small fork on LB where water is bubbling out of ground had a temperature of 8.8.

Site Area Measurements: ( )Indirect (X) Direct ( ) Combination
Widths: Channel: 1m Ponds: Wetlands:
Depths: Channel: 15cm Ponds: Wetlands:
Total length (includes ponds and wetlands): 1244m

Total existing habitat area (est. m2): 2086

Spawning area:	Mainstem: 18	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 2068	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: ( ) None ( ) Poor (X) Fair ( ) Good ( ) Exellent

Describe spawning habitat: Gravel size ranges from pea-gravel to 6" gravel. There seems to be good flow as well as good cover.

Rearing habitat conditions: ( ) None ( ) Poor (X) Fair ( ) Good ( ) Exellent

Describe pond and other rearing habitat: Most of the suitable over-winter habitat is pooled area that is located at the more flood prone section of the bench. Much of the habitat above has more riffs. However, the cover is good and there is a small 20mx40m swampy area at the toe of the hill.

Describe unaccessible habitat:

Wetland type: ( ) Bog ( ) Marsh ( ) Scrub-shrub ( ) Forested

Describe:

Flooding potential: ( ) Low ( ) Medium (X) High

Describe: The lower section of bench gets hit pretty hard during flood events.

FISH INFORMATION

Site entry condition: ( ) Poor ( ) Fair (X) Good

Describe: Stream enters river via a side channel making access easier.

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

Describe: No adults or juveniles were observed, however, juvenile coho were observed in side channel at mouth of stream.

Other species access and use: ( ) Chum ( ) Pink ( ) Sockeye (X) Res. Trout ( ) Anad trout

Describe: No trout were observed but certainly is accessible to trout.

ENHANCEMENT OPPORTUNITIES

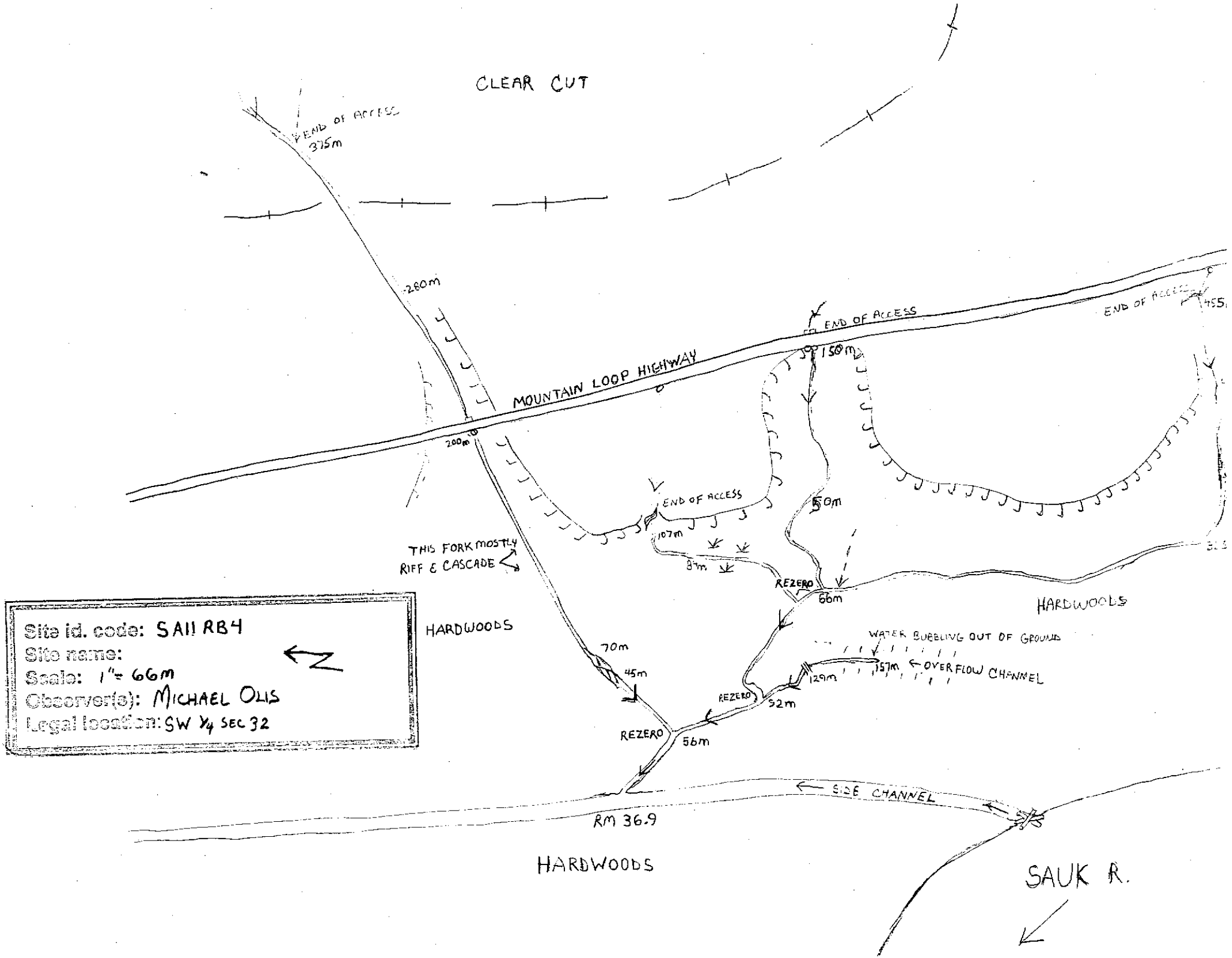
Project type:

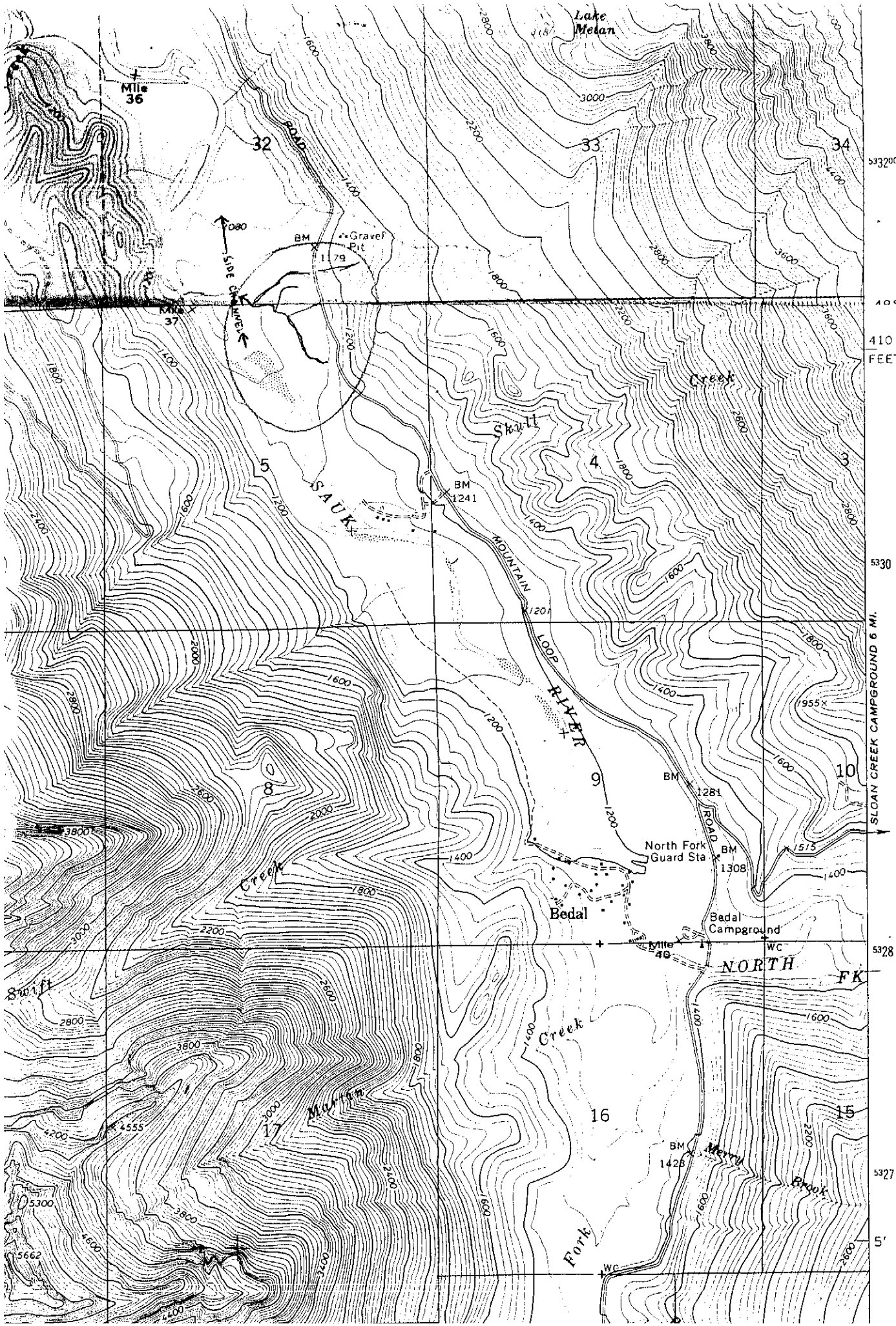
Equipment access:

ADDITIONAL COMMENTS

ATTACHMENTS AVAILABLE

(X) Aerials (X) Sketch (X) Maps ( ) Spawning Surveys ( ) Juvenile Trapping
( ) Other References


CLEAR CUT
END OF ACCESS
375m
280m
MOUNTAIN LOOP HIGHWAY
200m
END OF ACCESS
150m
END OF ACCESS
455
END OF ACCESS
107m
50m
87m
THIS FORK MOSTLY
RIFF & CASCADE
REZERO
66m
HARDWOODS
HARDWOODS
WATER BUBBLING OUT OF GROUND
OVERFLOW CHANNEL
157m
129m
70m
45m
REZERO
52m
REZERO
56m
SIDE CHANNEL
RM 36.9
HARDWOODS
SAUK R.
Site id. code: SAII RB4
Site name:
Scale: 1"= 66m
Observer(s): MICHAEL OLIS
Legal location: SW ¼ SEC 32
N

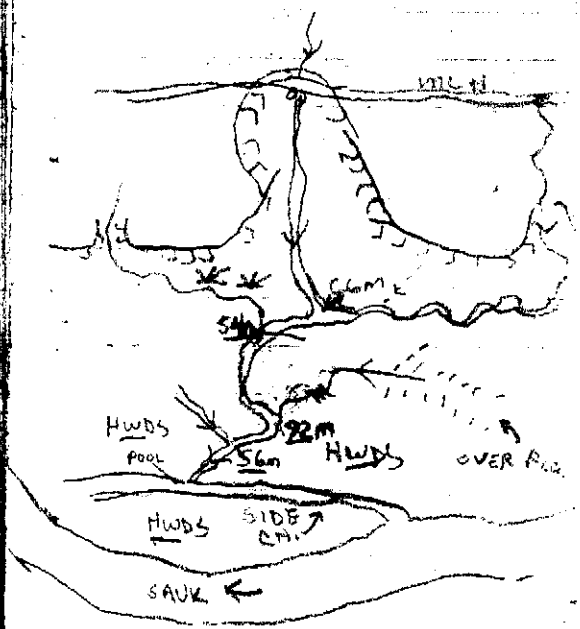

Lake Metan
Mile 36
32
33
34
ROAD
Gravel Pit
BM 1179
SIDE CHANNEL
Mile 37
5
SAUK
BM 1241
Skull
Creek
4
3
MOUNTAIN LOOP
RIVER
9
10
BM 1281
ROAD
North Fork Guard Sta
BM 1308
Bedal
Bedal Campground
WC
Mile 40
NORTH FK
SLOAN CREEK CAMPGROUND 6 MI.
8
Swift
Creek
16
15
17
Marten
BM 1428
Merry
Brook
Fork
WC
5332000m N.
410 000 FEET
5330
5328
5327
5'

SAU RB H

RM 36.9

SW¼ S32 T31N R11E

28 OCT 96



0.0 ENTRY

- REC WTR TEMP.- 44°
- STRM TEMP.- 46°
- FLOW - 2CFS

ACCESS - GOOD POOL @ ENTRY

- SURVEY DONE DURING HEAVY RAIN - (WTR COLOR → LBROWN

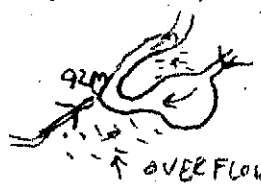
56m WW 3m - MOSTLY RIFF

- SUBSTRATE → SILT TO P-GRAVEL W/ OCCASIONAL SMALL BOULDERS
- COVER GOOD ⇒ BERRY - VINE MAPLE - DEVILS CLUB
- GOOD LOD
- @ FORK - R FORK FASTER, CLOUDIER W/ 2/3 OF FLOW

GOING UP R FORK

92m WW 2.5 m
- MOSTLY POOL
- SUBSTR. COBBLE - GRAVEL
$3m^2$ SP HAB
- SMALL STRM ON LB
WTR IS CLEAR
- GOING UP SMALL STRM
- 129m WW 3m
- SEVERAL NICE POOLS
SEPERATED BY SMALL
ROCK BARS - WETTED CONNECTION
TODAY.
- @ LOG JAM

157m WW 1m
- MOSTLY RIFF
- WTR ENDS IN POSSIBLE
OVERFLOW CHANNEL
- WTR BOILING OUT
OF GRND
- SUBSTR. RIVER SILT
WTR TEMP - 48°
- GRND WTR -
- REZERO @ 92m MARK
10m WW 10m POOL



66m WW 2m - (25/75 [illegible]
- SUBS[illegible] SM BOULD - COBB[illegible]
[illegible] CHANGES TO [illegible]
[illegible]
[illegible] FORK LF 2/3 FLOW
GOING UP LF
[illegible] INT STR ON RB
[illegible]3m WW 1m 50/50
- [illegible] BANK ON RB
325m WW 0.75 m 25/[illegible]
- SUBSTR. SILT → SAND &
COVERED W/ LEAVES
- STRM MEANDERS ALONG
BENCH THRU HEAVY [illegible]
- TOE OF HILL NEAR RB
- SEEMS TO BEND TWO [illegible]

[illegible]

355m WW 1m - 50/50 P/R
- SUBSTR. P-GRAVEL W/
GRAVEL POCKETS
- STRM GOES UNDER
SEVERAL LARGE LOGS W/
TREES GROWING ON TOP
OFF
- GRADE STARTING TO
INCREASE
388m WW 1m
- 2 m² SP HAB.
408m WW 0.3m RIFF
455m - WW 0.3m CASCADE.
END OF FISH ACCESS
- WATR CASCADES FOR
ANOTHER 50m → CULVERT [illegible]
TEMP 45.5° FLOW 0.25 CFS

@ 66m GOING UP
- RIGHT FORK REZEROING

70m WW 1m MOSTLY RIFF
- SUBSTR → [SILT TO P GRAVEL]
- GOOD COVER
150m WW 1m
- @ DOUBLE 2' CULVERT & M.L.H.
- CULVERT IS BARRIER FOR JUV. BUT NO HAB. ON OTHER SIDE BECAUSE OF CASCADES
- WTR TEMP 46°
FLOW 0.75 CFS

@ 54m ANOTER STRM ON RB - REZERONE -
84m WW 1m RIFF
- STRM MOVES THROUGH SMALL OPEN AREA FULL OF SKUNK CABBAGE & SEDGES - MUCKY SUBST.
- TOE OF HILL ON LB
107m WW 1m
- SUBSTR - P GRAVEL
- @ BASE OF IMPASSABLE CASCADE W/ M.L.H. JUST ABOVE
- WTR TEMP - 47°
- FLOW - 0.1 CFS

29 OCT 96

"CONTINUATION OF YESTERDAY'S SITE. STARTING ON 1ST FORK @ 56 M RIGHT FORK. [RE-ZEROING]

45M WW 1.5M. RIFF
- GOOD COVER
- SUBSTR. GRAVEL - P. GRAV.
- 8 M^2 SP. HAB

70M WW 6M
- AREA OF BRAIDED CHANNELS THRU BRUSH & TREES,
- SHALLOW. RIFF

198M WW 1.6M
- @ 4' CULVERT
- PROBABLE BARRIER TO JUV (2' FOOT DROP)
- SUBSTRATE - COBBLE & SMALL BOULDERS
- SMALL BOULDERS ALONG BANKS ⇒ LOOKS LIKE CREEK BLEW OUT WITHIN THE LAST YEAR OR TWO. - COVER IS POOR.

280M WW 4M RIFF →
CASCADES:
- @ 4' (DROP) FALLS
- HIGH CUT BANKS ON LB. SOURCE OF SLIDE OR PART OF IT.

326 M WW 2m
- BEGINNING OF CL. CUT
375 M WW 2m
- @ ADULT BARRIER
- WTR TEMP, 45°
- FLOW 0.75 CFS
- THIS FORK OFFERS VERY LITTLE WINTER REARING AND ≈ 12 m² OF SP. HAB.
- IT MIGHT BE STRM THAT WAS DIVERTED FROM ORIGINAL CHANNEL BY LOGGING PRACTICE (CL CUT)

COMMENTS
- SYSTEM HAS GOOD ACCESS VIA A SIDE CHANNEL - JUVS. OBSERVED IN SIDE CHANNEL @ MOUTH OF STRM.
- OFFERS SMALL AMOUNT OF WINTER REARING & SPAWNING HABITAT
- LOWER PART OF SITE HAS HIGH FLOOD POTENTIAL DURING EXTREME FLOOD EV
- MOSTLY SURFACE FED.