

**SITE INFORMATION**

<b>Site Identifier :</b>	SS12RB3	<b>Landowner Type :</b>	Federal
<b>Site Name :</b>		<b>Landowner Name :</b>	USFS
<b>WRIA :</b>	05.0001X	<b>Address :</b>	
<b>Region :</b>	NS	<b>Address2 :</b>	
<b>Trib to :</b>	SF Stillaguamish R	<b>City :</b>	
<b>River Mile :</b>	64.15	<b>State :</b>	
<b>River System :</b>	SF Stillaguamish R	<b>Zipcode :</b>	
<b>Legal Description :</b>	SE1/4S21T30NR10E	<b>Phone :</b>	
<b>County :</b>	Snohomish	<b>Coordinates</b>	
<b>Habitat Type :</b>	beaver pond	<b>East:</b>	1,750,716.00 <b>North:</b> 998,735.00

**Directions :**

Follow the Mountain Loop Highway out of Granite Falls to the Big Four trailhead and parking area. Follow the trail (boardwalk) to the site. Refer to the sketch for site location.

**Area Overview :**

This is a large beaver pond/marsh complex that is crossed by a boardwalk trail that leads to the Big Four Ice Caves. It provides a large amount of excellent rearing with a small amount of spawning habitat on the lower end.

**Field Survey Information**

**Date :** 10/28/02 **Observer :** Olis **Survey Type :** initial

**HABITAT INFORMATION**

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

**Flow:** ( ) Intermittent (X) Year-round

**Estimated Flows (cfs):** Lower end: 0.1  
Upper end: 0

**Water Temperature(C):** Lower end: 6.1  
Upper end:

**Receiving Water Temperature (C):** 5.5

**Other Observations:**

**Site Area Measurements:** ( ) Indirect ( ) Direct (X) Combination

**Widths:** Channel: 3 Ponds: 27 Wetlands:

**Depths:** Channel: 0.25 Ponds: Wetlands:

**Total length (includes ponds and wetlands):** 1673

**Total existing habitat area (est. m2):** 10,270

<b>Spawning area:</b>	<b>Mainstem:</b> 24	<b>Tribs:</b>	<b>Total:</b>
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<b>Impounded area:</b>	<b>Mainstem:</b>	<b>Tribs:</b>	<b>Total:</b>
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<b>Other rearing area:</b>	<b>Mainstem:</b> 10246	<b>Tribs:</b>	<b>Total:</b>
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<b>Unaccessible habitat:</b>	<b>Mainstem:</b>	<b>Tribs:</b>	<b>Total:</b>
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Spawning habitat conditions:  None  Poor  Fair  Good  Excellent

Describe spawning habitat: Most of the spawning gravel is located on the lower reach of this site. The gravel size ranges from pea gravel to 4"; there is a fair amount of overhead and instream cover; and the habitat type is pool/riffle where the gravel is located.

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: The lower reaches of this site is slow-moving, pooled and riddled with beaver activity. There is excellent woody structure and brushy cover present. There is skunk cabbage and sedges growing along the banks also. The upper reach of this site is a beaver pond/marsh complex that provides excellent rearing. The boardwalk trail to the ice caves crosses this complex and provides easy access to this part of the site.

Describe inaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: The lower end of this site gets flooded on a yearly basis as is evidenced by the small flood channel observed at 223 meters from the mouth of the site.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: There is a large eddy pool present in the mainstem at the entry area.

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

Describe: This site is accessible to both juveniles and adults. Juvenile salmonids were observed in the site on the day of the survey.

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: This site is accessible to trout also. It provides a large amount of excellent trout habitat too.

ENHANCEMENT OPPORTUNITIES: There are two small culverts that are on the boardwalk trail to the ice caves that are undersized (SI7 and SI8 in the culvert inventory). However there is less than 200 meters of habitat upstream of these crossings.

Project type:

Equipment access:

ADDITIONAL COMMENTS: Although no coho juveniles were observed in the upper beaver pond/marsh complex, this part of the site is accessible to them.

#### ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References

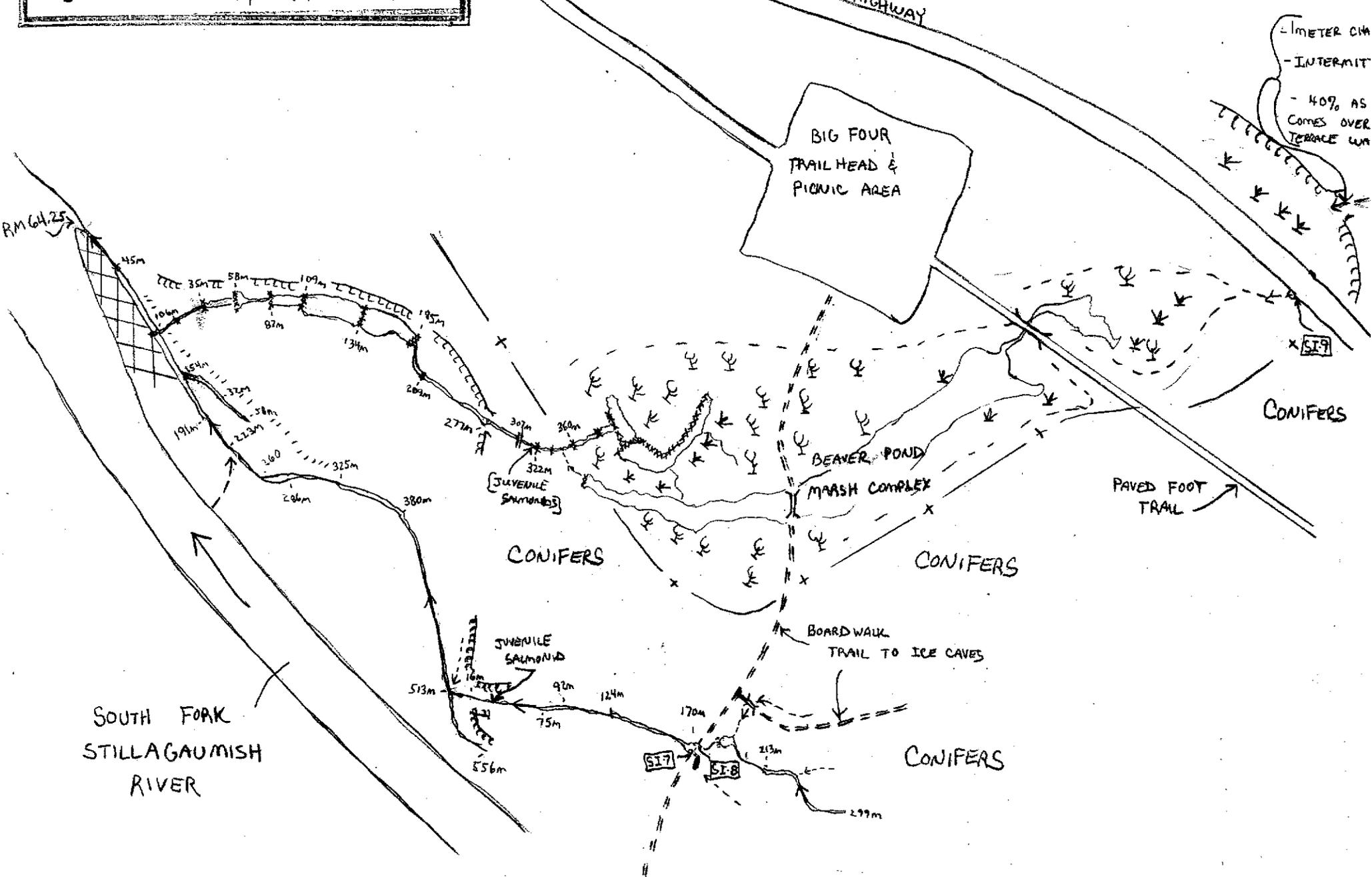
Site id. code: 5512RB3

Site name:

Scale: 1" = 100m

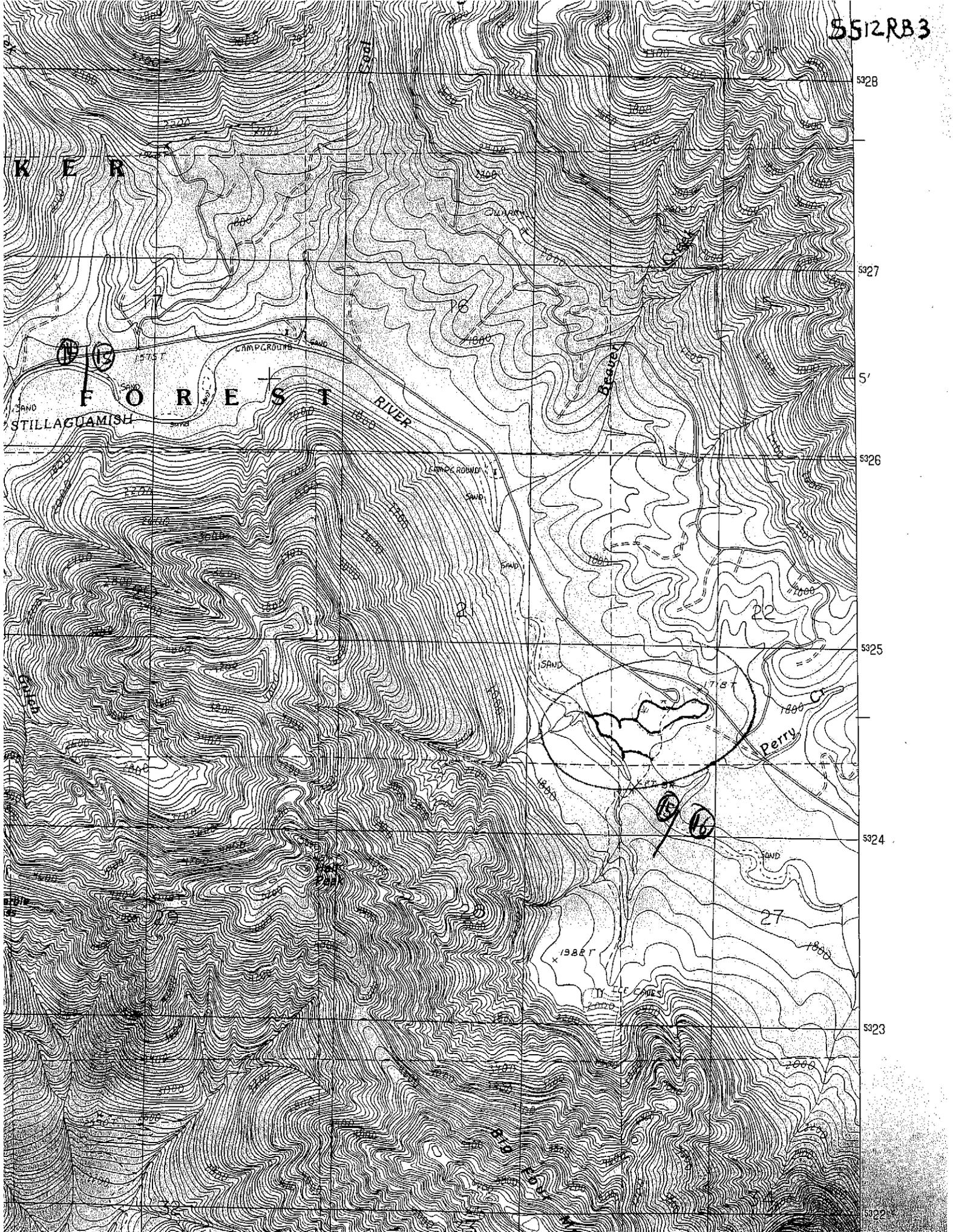
Observer(s): OLIS

Legal location: SE 1/4 S21 T30N R10E



1 METER CM  
- INTERMIT  
- 40% AS COMES OVER TERRACE WA

5512RB3



K E R

5328

5327

5326

5325

5324

5323

5322

FOREST RIVER

STILLAGUAMISH

CAMP GROUNDS

CAMP ROUND

Perry

10

11

18

22

27

1985

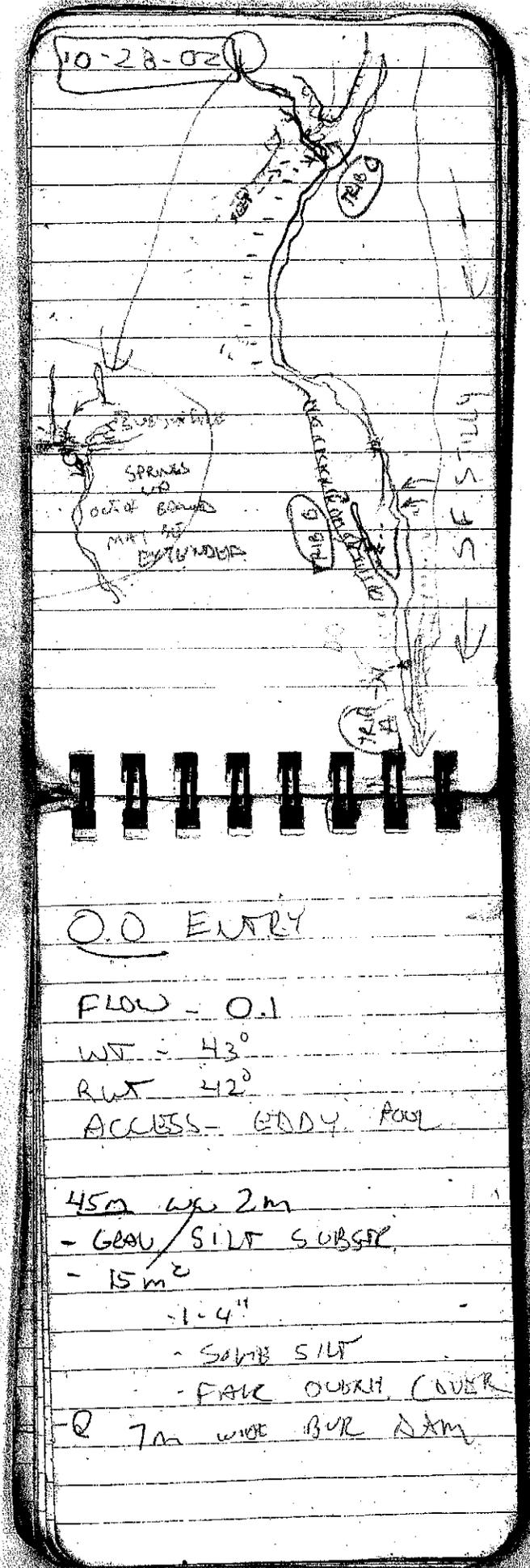
SS12 RB3

RM 64.25

SE 1/4 S21 T30 N R10E

x- 1750716

y- 998735



106m w/w 6m pool

- same skunk cage

- mud substr.

@ 7m Bamboo Dam

- TRIP ON RB

WILL LOOK @ LATER

154m w/w 6m pool

@ FORK

CONTINUING UP LF

191m w/w 6m pool

6m from main stream

- JUL

223m 2m pool

- FEW SMALL *isopods*

CA. FROM RIVER

249m w/w 1m pool

- BARELY FLOWING

@ 2m BEHIND DAM

260m w/w 2m

1 pool

286m w/w 8m pool

- SOME AQUATIC VEG

- SEEMS TO FURNISH

FROM RIVER

325m 1.1m

- SLOW MOVING POOLS, SMALL

390m w/w 5m  
- SHALLOW, MUD-BOTTOM  
• POOL

513m w/w 2m  
- SLIGHTLY SHALLOW  
- SOME SAND CARB - WATER  
P. 1/15m FROM RIVER  
- SANDY TRIB ON RD

556m w/w 1.2m  
- SHALLOW SEEP  
- THIS FORK ENDS  
NO MOIST WATER OF  
CHANNEL 4m FROM  
RIVER → ≈ 8" ABOVE RIVER  
SEEPS OUT OF GROUND

0

REZOO ON RB TRIB  
TABLE IS AN IMMEDIATE  
RB SEEP ON THIS RB  
TRIB

16m w/w 1.2m  
- 70% COBBLE  
SUBSTR.  
- SAND, CARB.  
DRIVE CLUD

59m w/w 1.1m  
- 40% GRAVEL  
- SAND SUBSTR.  
FEW PATCHES OF PEACH

92m well 3m

- SHALLOW SAND 0.5
- MUD-BOTTOMING

124m well 1.4m

- @ 0.3m DROP  
OVER CLAY

170m well 2.5

- SHALLOW - MUD-BOTT
- MOSTLY POOLED

@ BIG FOUR - ICE CAUS.  
FRAIL  $4\frac{1}{2}^\circ$

SMALL BC FOR PIPE

UNDER FRAIL  
0.25 x 3.6m LWB

PIPE  $\Rightarrow$  0% w/ CLWD

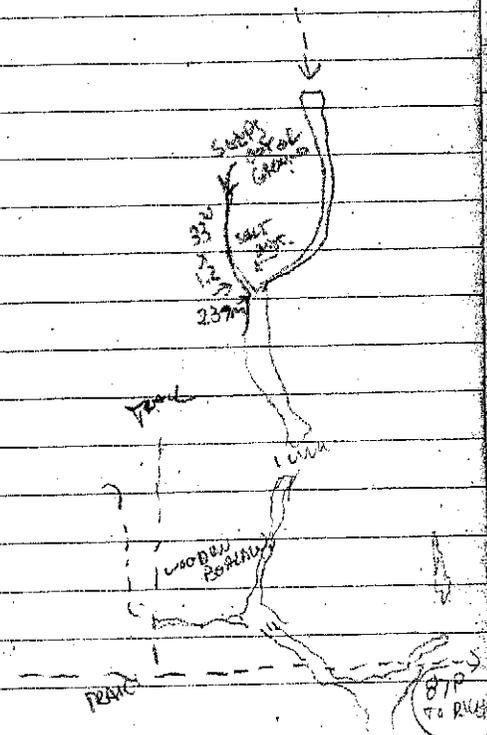
- NO MAT.
- 0.3m OF FILL
- UNKNOWN
- 10m x 2m POOL UPSTR
- SEEMS TO SEEP OUT  
OF GROUND
- SUBS FOR 8m

(RF)

0.52 CAL - 3m LONG

YES  $\Rightarrow$  MAT. 0.3m FILL

CONTINUE UP RF



- 179m w/w 0.75m
- ① RRW - WATER
- SLOTTED WOODEN FOREST
- FLOOR / ? FISH PASS.
- SMALL TRILT ON RD CALIBLY
- WATERED.
- FOLLOWING (LF)
- (3m x 5m POOL ABOVE RRW)
- 194m w/w 1m
- SHADOW - WOOD - BOTTOMED
- SLOTTED
- 213m w/w 0.75m
- ① RRW (OLD RRW?)
- WATER SLOTTED OUT @
- BASE

239m WW 5m POOL

- SEDGES @ END OF CHANNEL  
VEG

- MEXICAN BIRDNETS

- SMALL 33m TRIP RB

299m WW 3m

- SHALLOO POOL

END OF CHANNEL

WATER SEEPS OUT FROM  
GROUND

1.2m DEPT SWALE W/  
DEVILS CLAW, SKUNK CAGE  
OTHER BRUSH IN IT  
END OF SURVEY



RECORD ON MOUTH OF  
TRIP B

17m WW 3.5m POOL

MUD-BOTTOMED

- POSSIBLE SMALL FLOOD  
ON BUBBLES ON LB

32m WW 3m

- @ 3.5m BRUSH BURDEN

58m WW WW 2.5m

END OF SURVEY

WATER SEEPS OUT FROM  
WATER TRACE WALL

JUV. COCK OBSERVATION

TRIG A

RESERVOIR @ MOUNTAIN

10m ww 4m pool

@ 5m BVR DAM

- ALMOST DRY UPSTREAM

- THERE IS A 6m x 5m

DEWATERED POOL

UPSTREAM -

35m - ww 1m - DEWATERED

@ 10m BVR DAM

58m - 5m DEWATERED <sup>(5m)</sup>

SKUNK CABR. SODAS

- @ 19m BVR DAM

- (15m x 6m POOL UPSTREAM)

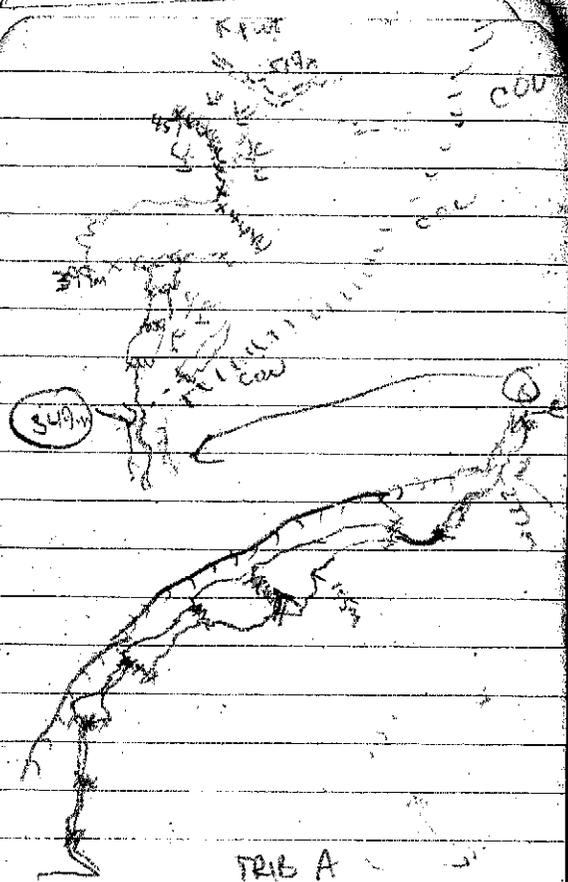
87m ww 15m ww 2m

- @ 15m BVR DAM

7 TRENCHES WITH ON RB

109m ww 10m

@ 11m BVR DAM



134m w/w 20m (5.44/1000)

@ 15m DAM W/  
WINDFALL

155m w/w 20m  
POOL

185m 10m  
- @ 12m LOW OVER DAM  
- LOTS OF WINDFALL  
- TRIB ON RB?

209m w/w 2m mms - BOT  
CHAW. FLOW SODGES  
- @ 3m OVER DAM

277m WW 2.5m

BAMBER CHANNEL

WPC SWALLS

FEW GRAY PATCHES  
(3m<sup>2</sup>)

307m WW 2m

STILL LOW CHANNEL

- @ OLD GEDUTH LOGS

ACCESS CHANNEL w/

1' HOMLOCK GROWTH ON TOP.

WPC SUBSTRATE FOR 2m

UNDER LOGS

322m WW 1.8m

- SHALLOW AND BOTTOMY

@ 7m BURDAM

JUN SALMONS @ BASE

OF DAM (PINK TROUT)

PATCH OF LARGE GRASS ALSO

- SMALL SEEP ON LB

IMMEDIATELY ABOVE DAM

339m WW 0.7m

- @ HIGH BUR DAM

349m WW 3m POOL

- @ LB SEEP THAT COMES

FROM BUR DAM & MARSH

ABOVE

360m WW 0.6m

@ 3m DAM AND

OPEN BRUSHY MARSH

388m w/w 4m  
BLAVOVO

@ 7m BUR DAM

399m w/w 6m

@ 25m BUR DAM

- 414m w/w 10m

@ LARGE BUR DAM

457m WALKING ALONG  
BUR DAM THRU MARSH

519m LEFT BUR DAM  
CUT ACROSS TO BORED WELL

