

SITE INFORMATION

Site Identifier :	SS11RB3	Landowner Type :	Private
Site Name :	Boyd Cr	Landowner Name :	
WRIA :	05.0001X	Address :	
Region :	NS	Address2 :	
Trib to :	SF Stillaguamish R	City :	
River Mile :	59.95	State :	
River System :	SF Stillaguamish R	Zipcode :	
Legal Description :	NW1/4S19T30NR10E	Phone :	
County :	Snohomish	Coordinates	
Habitat Type :	lower valley wall tributary	East:	1,735,026.00 North: 1,001,531.00

Directions :
Follow the Mountain Loop Hwy out of Granite Falls to mile post 22.2 and the site.

Area Overview :
Appears to be a mostly surface-fed stream that is intermittent and juvenile coho were observed downstream of the Mountain Loop Highway.

Field Survey Information

Date : 10/27/03 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 0.5
Upper end: 0.5

Water Temperature(C): Lower end: 7.8
Upper end: 8.6

Receiving Water Temperature (C): 7.8

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 1.4 Ponds: Wetlands:

Depths: Channel: 0.15 Ponds: Wetlands:

Total length (includes ponds and wetlands): 811

Total existing habitat area (est. m2): 1271

Spawning area:	Mainstem: 47	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 1271	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Most of the spawning habitat was found on the right braid, downstream of the Mountain Loop Highway. The gravel size ranges from 1" to 3" and there is good overhead cover present.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The stream flows down a small draw and into a depositional area on the upstream side of the highway. The depositional area has braided channels through 2" to 3" willows with skunk cabbage and sedges present. There are two braids that drain this area. The left braid is short and 10% grade to the mainstem. The right braid is 638 meters long, 2%-4% grade, and has pool/riffle habitat.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: The lower 395 meters of the right braid is located downstream of the Mountain Loop Highway and this narrow bench area was over-topped during the Oct. 21, 2003 flood. The habitat upstream of the Mountain Loop Highway is protected.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There are two entries to this site. The right braid enters at river mile 59.95 and the river is pooled in the entry area. The left braid is 700 meters upriver and the initial 10 meters of the stream is at 22% grade.

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

Describe: There were good numbers of coho juveniles observed in the right braid downstream of Mountain Loop Highway and none observed upstream of the highway.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: Trout would be able to access and use this site as well although none were observed.

ENHANCEMENT OPPORTUNITIES: Check the slope on the culvert under the Mountain Loop Highway (SI20) and repair it if the pipe is a barrier.

Project type:

Equipment access:

ADDITIONAL COMMENTS: The lower section of the right braid flows against the road fill of the Mountain Loop Highway in places.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

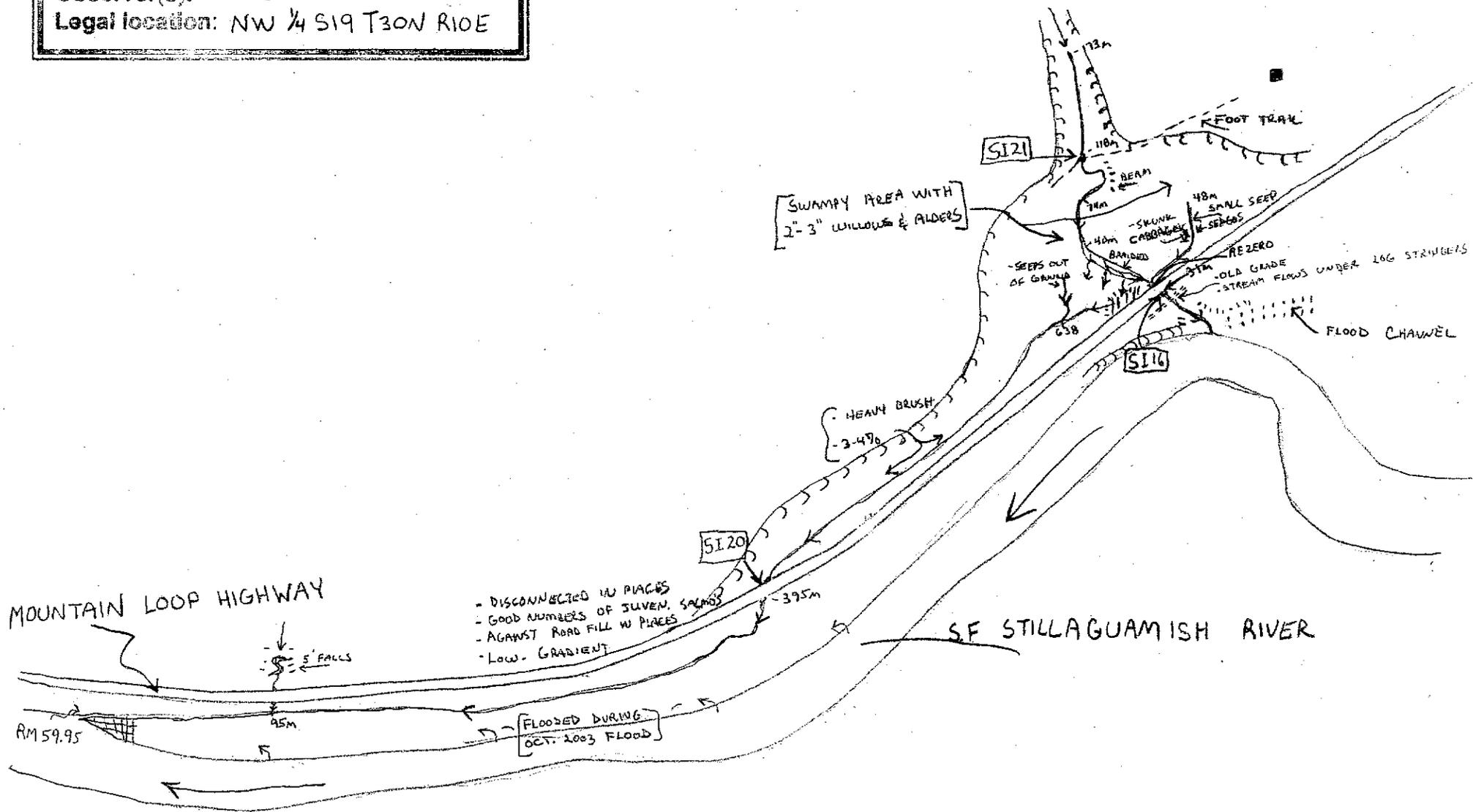
Site id. code: SS11RB3

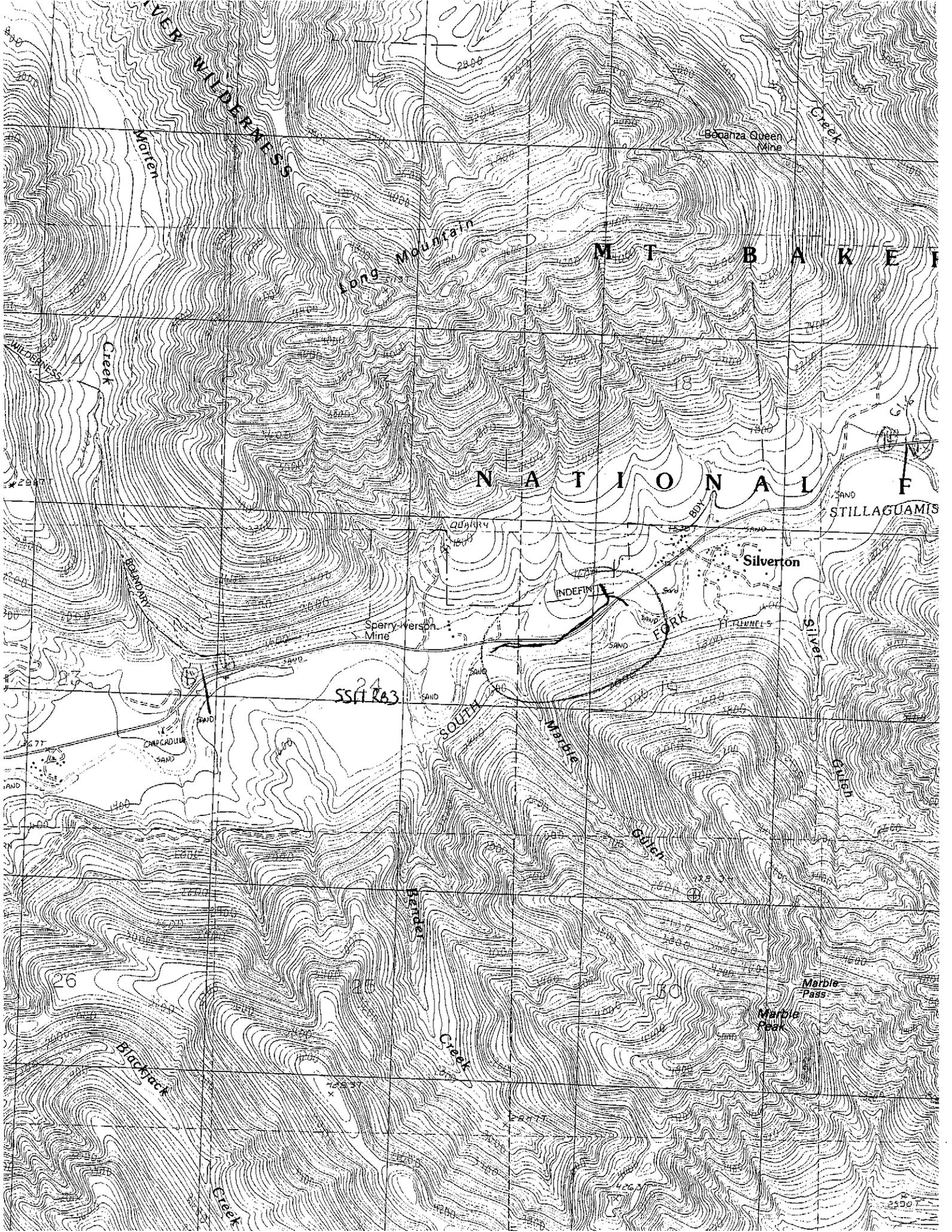
Site name: BOYD CR

Scale: 1" = 80M

Observer(s): OLIS

Legal location: NW 1/4 S19 T30N R10E





SS11RB3

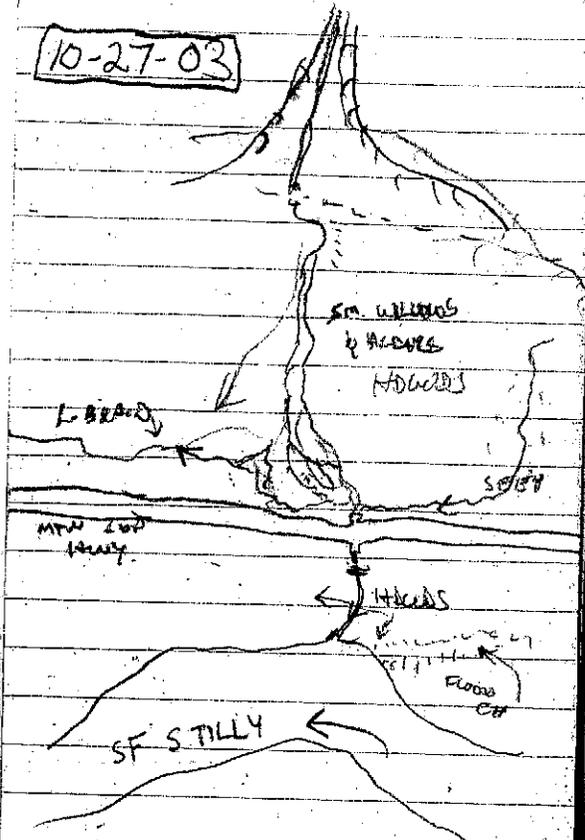
RM 59.95

NW 1/4 19 T30N R10E

X - 1735026

Y - 1001531

10-27-03



O.O. EMPTY

ACCESS - POOR TO FALL

WT - 47.5°

RWT - 46°

FLOW - 0.5 CFS

INITIAL 10m IS @ 22%

AS IT FLOWS OVER BANK

10m WWS 1.6m

- 22% FLOWS OVER BANK

24m WWS 1.3m

10% - COBBLES - RAFF

@ OLD LOG STRANDED

BE OR CULVERT OLD GRASS

29m UPSTREAM END OF
GRADE LOGS PLACED
ON UPSTREAM END OF
(0.6m INFILL DEEP)

31m
- @ MNT LOOP HWY
NEW CULVERT
- 0.91 - CST - 0.13 OUT DEP
- NO MAT. - WD - 0.07
PL POOL D - 0.2 OFF W - 1.6 L - 1.4
LENGTH - 18.5m FILL DATA - 1.5
SLOPE NEEDED

LB SEEP 48m LONG
- 0.7m WIDE MUD-BOTTOMED
- SKUNK CABB; NOBATA - SEDGES
- SPARSUALLY GRASS
[CULVERT @ UPSTREAM END CULVERT]

40m WW 7m
- SHALLOW - SPREAD OUT
STRAW 2"-3" WILLOW, ALONGS
SKUNK CABB. WT PAGES
- MUD BOTTOMED
74m WW 1.7m
POOL RIPP SPREAD
OUT - BRANDED W. PAGES

~~1.2m~~ was 1.2m

- Low GRAVEL - MUD - BOTM
- 4m² 1"-2" GRAVEL
- BACK INTO CHANNEL - SM. ACRES

- @ ONLY

- BLACK FLEY - 0.61
- FILL BOTM 0.1

OUTFALL - 0.1 - 0.05WD

VIS > 170 - 3.6m CONC

PLUNGE POOL 2.8 Oth^{1.2} D 0.4

VELOCITY PROBLEM

173m WW 1.6m

15-18% CAC/RIFF

- COBBLE SUBSTR. IN

A DRAW



- > 20% UPSTR.

END OF SURVEY

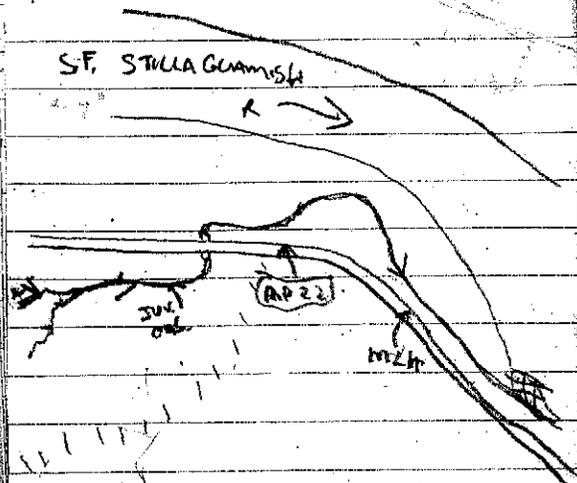
0.5 CFS FLOW

WT - 47°

WWT

NO FISH OBS.

LEFT BRAID OF
BOYD CR.



S.O

2000 @ MOUTH OF
RIGHT BRAID OF BOYD
CR

WT-49°

95m 1.3m WW

- POOL/RIEF - FLOODY SECTION

- 16m² SP. HAD

- SMALL INT. STEM ON RB

UNDER MLH. - HAS S' SIDE UPPER
OF PIPE

395m WW/1m

LOW GRADIENT

- UP AGAINST RD GRADE
- MOST OF THE WAY
- 2m²
- JUV OBSERVED
- MOST OF THIS AREA
- WAS OVER TOPPED BY
- FLOOD

@ MLH & COLU
 0.76 CST - ~~8~~ OFFICE
 - 0.1 WJD W COLU
 FILL = 1M - MAT - NO
 - LENGTH = 15.2M
 - SLOPE NEEDED
 L

630M WJW 1.1M
 - 7m²
 - BRUSHY - PARALLEL FL
 - @ FORN
 - RF GOBS R/L 40M
 IS 0.9m WJW
 - SEEPS OUT OF GROUND
 - LF ORIGINALS FROM
 BOYS CR DEPOSIT AND
 AREA
 (48°)