

**SITE INFORMATION**

<b>Site Identifier :</b>	SS12RB6	<b>Landowner Type :</b>	Federal
<b>Site Name :</b>	Tiny Cr	<b>Landowner Name :</b>	USFS
<b>WRIA :</b>	05.0433B	<b>Address :</b>	
<b>Region :</b>	NS	<b>Address2 :</b>	
<b>Trib to :</b>	SF Stillaguamish R	<b>City :</b>	
<b>River Mile :</b>	62.90	<b>State :</b>	
<b>River System :</b>	SF Stillaguamish R	<b>Zipcode :</b>	
<b>Legal Description :</b>	SW1/4S16T30NR10E	<b>Phone :</b>	
<b>County :</b>	Snohomish	<b>Coordinates</b>	
<b>Habitat Type :</b>	lower valley wall tributary	<b>East:</b>	1,747,666.00 <b>North:</b> 1,004,045.00

**Directions :**

Follow the Mountain Loop Highway out of Granite Falls towards Darrington. Tiny Cr crosses the Mountain Loop Highway at mile post 24.35.

**Area Overview :**

This trib is located in between Coal Cr and Beaver Cr along the Mountain Loop Highway and has known coho use. The initial 350 meters of this stream is more suitable for coho use while upstream of this point, the stream gradient increases to 10% -16%.

**Field Survey Information**

**Date :** 12/12/02 **Observer :** Olis **Survey Type :** initial

**HABITAT INFORMATION**

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

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

**Estimated Flows (cfs):** Lower end: 1.5  
Upper end: 0.5

**Water Temperature(C):** Lower end: 4.2  
Upper end:

**Receiving Water Temperature (C):** 3.3

**Other Observations:**

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

Widths: Channel: 1.9	Ponds:	Wetlands:
Depths: Channel: 0.2	Ponds:	Wetlands:
Total length (includes ponds and wetlands): 1782		

**Total existing habitat area (est. m2):** 3484

Spawning area:	Mainstem: 112	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 3372	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions:  None  Poor  Fair  Good  Excellent

Describe spawning habitat: The gravel size ranges from 1" to 4", there is good instream cover from LWD, and there is good brushy overhead cover present also. For the first 350 meters of this site, the stream has pool/riffle habitat and is in the 3% to 6% gradient range.

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: The initial 350 meters of this site has a stream gradient of 3% to 6% and has pool/riffle habitat type. There are also several pinned logs within the channel that were placed there by the Forest Service. Upstream of this point, the stream gradient ranges from 10% to 16% with a mostly riffled and cascade habitat type. The stream is forested throughout with good brushy cover.

Describe inaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: The lower 100 meters (downstream of the Mountain Loop Highway) is vulnerable to flood events while upstream of this point, the stream is much more stable.

FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: A riffle of the stream meets a riffle of the river at the entry area.

Coho access

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

Describe: There was some coho redds observed in the site on the day of the survey.

Other species acces and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: Trout can access and utilize this site as well.

ENHANCEMENT

OPPORTUNITIES: The culvert crossing under the Mountain Loop Highway (05.0433B 0.10 in SSHEARBASE) has 33% passability and needs to be replaced.

Project type:

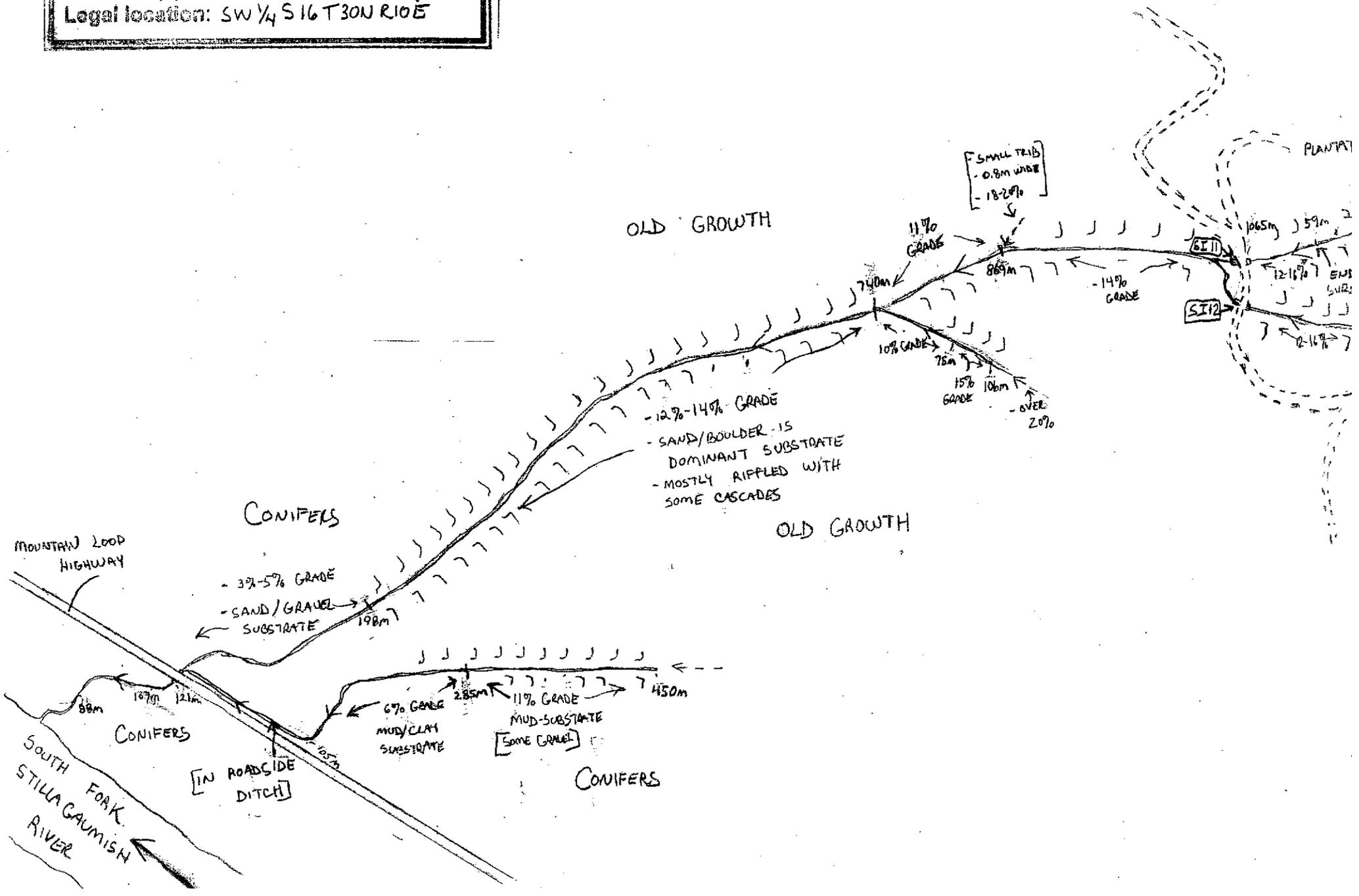
Equipment access:

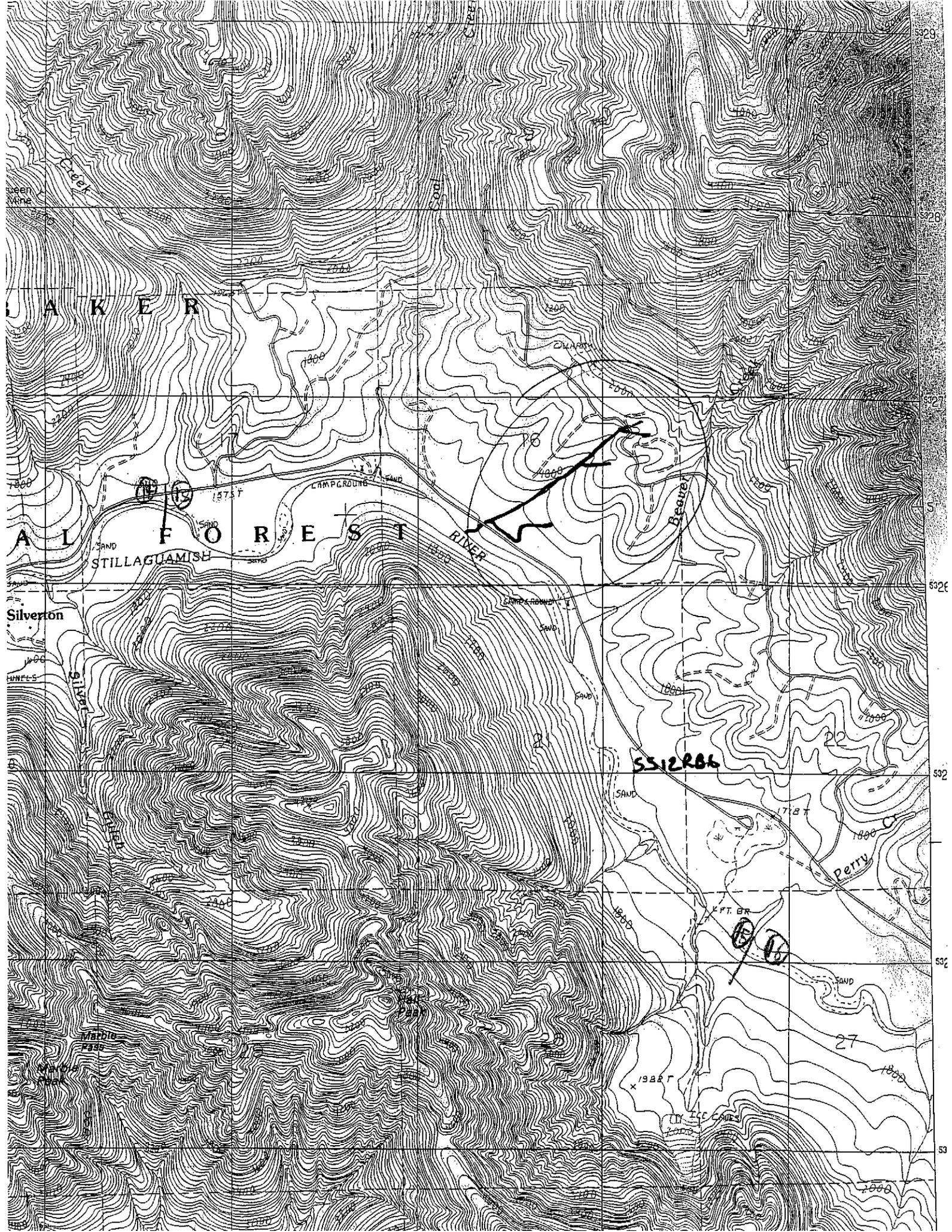
ADDITIONAL COMMENTS: This stream has several logs that were pinned in place by the Forest Service and are located within the first 150 meters upstream of the Mountain Loop Highway. A physical survey with a sampling frequency of 60m per reach was completed for this site also.

ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References

Site id. code: SS12RB6  
 Site name: TINY CR  
 Scale: 1"=110m  
 Observer(s): OLS  
 Legal location: SW 1/4 S16 T30N R10E





W A K E R

A L F O R E S T R I V E R  
STILLAGUAMISH

Silverton

5512R06

Perry

F.P.T. BR

1982 T

27

529  
528  
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SS12 RB6

RM 62.9

SW 1/4 S16 T30N R10E

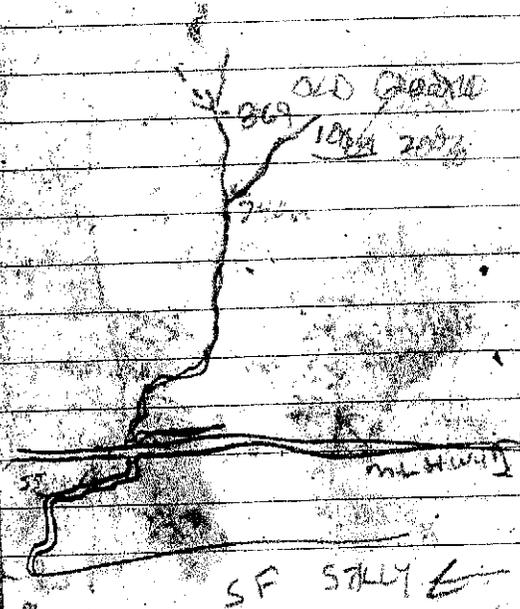
05.0433B

X-1747666

Y-1004045

12-12-02

TWY CR



O. O. ENTRY

FLOW - 1.5 CFS

WT - 39.5

RWT - 38

ACCESS - RIFFLE / POOL  
RIFFLE

10m w/wt. 4

- RIFFLE / COBBLE

38m w/wt 1.8

POOL / RIFFLE

2m<sup>2</sup> - 2-4"

POSS RIBB? - GOOD CORN

45m 3.2 - POOL

2m<sup>2</sup>

107m - WW 2.5m

- POOL / RIFPLE

- 7m<sup>2</sup>

- @ Downside END OF

CULV. (0.62m)

UPSTR APRON

121m UPSTR END  
OF CULVERT

- STRM FOLKS

- RF HAS 6070

- CONTINUING UP RF (down)

REZERO

HIP | 0 | W | D | T

0

2m<sup>2</sup> - REG<sup>n</sup> - 5m<sup>2</sup> - 1.5

9.0

7.9

1.7

1.7

0.14 RIFL

16.9

1.8

2.4

2.4

0.25 POOL

18.7

2.8

2.1

1.5

0.1 RIFL

21.5

2

2.9

2.7

0.28 POOL

23.5

3.2

2.2

1.7

0.17 RIFL

27.2

2.1

3.3

3.0

0.45 POOL

29.3

8.3

2.7

2.5

0.2 RIFL

37.6

1.8

2.5

2.4

0.31 POOL

39.4

5.5

3.4

2.7

0.07 RIFL

44.9

H O U S

44.9

1.8 2.9 2.8 0.28 POOL

46.7

9.5 2.5 2.4 0.11 RIF

56.2

1.8 3.9 3.2 0.25 POOL

58.0

3.5 2.8 1.8 0.1 RIF

61.5

2.7 2.9 2.2 0.24 POOL

64.2

4.8 2.4 1.9 0.1 RIF

69.0

END OF SAMPLE

198.7

END OF SAMPLE - 3-5/10

540 GR 35 C 25 B 10



beginning of sample

213.3

8.2 2.4 2.3 0.1 RIF

221.5

7.4 2.7 2.1 0.14 RAP

228.7

6.7 2.5 2.0 0.25 POOL

231.6

4.3 2.5 2.4 0.15 RIF

235.9

3.8 2.6 2.4 0.15 RAP

239.7

2.7 3.1 2.9 0.47 POOL

242.4

12.4 2.7 0.19 0.1 RIF

254.8

5.5 1.9 1.7 0.12 RAP

	H	D	W	D	T
4	260.3				
	8.7	2.8	2.5	0.1	RIF
4	269.0				
	2.8	2.9	2.5	0.3	POOL
5	271.8				
	1.5	2.9	2.7	0.1	RIF
5	273.3				
	40	END OF ROW 14			
		12-16%			
	595	GDOC 10 B35			
		TKB ON LB 25%			
		CONTINUING MONST			

NEW ROWS

740					
	10.2	2.4	1.7	0.09	RIF
750.2					
	2.8	2.3	2.3	0.23	POOL
752.5					
	1.6	2.3	2.2	0.08	RIF
754.1					
	8.7	1.8	1.7	0.08	RIF
757.8					
	0.6	2.3	0.8	0.1	RIF
758.4					
	4.5	2.3	2.3	0.25	POOL
762.9					
	6.1	1.8	1.2	0.13	RIF
769.0					
	1	2.5	2.4	0.3	POOL

	H	O	W	D	T
1	770				
2	0.5	2.7	1.2	0.06	RAP
	770.5				
4	9.4	1.7	1.5	0.00	RIF
	779.9				
5	1.8	2.2	1.8	0.3	POZ
	781.7				
6	9.0	2.0	1.3	0.09	RIF
	790.7				
4	1.8	1.8	0.28		POZ
	794.7				
	1.4	2.7	2.5	0.0	RAP
	796.1				
	3.9	2.0	1.9	0.09	RIF
	800				

END OF SAMPLE

855m

STEM GAS SUB  
LARGE LARGE CUB  
GROWTH CUB

869m RB FRIB

0.8m 18-2070

210-1276

S 50 G 15 C 15 B 20

	H	O	W	D	T
	880				
	17.3	2.0	1.8	0.07	RIF
	897.3				
	2.6	2.0	2.0	0.2	POZ
	897.9				
	8.4	2.1	1.8	0.1	RIF
	905.3				

1 0 W

908.3

1 2.5 2.3 0.05 RAD

909.3

2.1 2.4 2.4 0.3 Pool

911.4

26.5 2.3 1.7 0.07 RIF

937.9

1.1 2.0 1.7 0.25 Pool

939.0

1 2.3 1.7 0.1 RIF

940.0

1057 TRIP SW LG

1065 @ RULVOR

12-1670

940 G 10 C 20 B 30

LB TRB @ 740m

H | O | W | D | T

0				
7.2	REGW	SAKE		
9.8	0.6	0.6	0.16	RIF
17.0				
1.5	1.1	1.1	0.15	POOL
18.5				
5	1.4	1.0	0.08	RIF
23.5				
1.7	1.4	1.4	0.2	POOL
25.2				
10.2	1.3	1.1	0.08	RIF
35.4				

@ 75m GRAB = 15%

4.1	1.5	1.4	0.2	POOL
39.5				
1.3	1.2	1.1	0.1	RIF
40.8				
18.1	1.1	1.0	0.11	RIF
58.9				
4.0	1.4	1.4	0.2	POOL
62.9				
3.4	1.7	1.2	0.12	RIF
66.3				
0.9	1.3	1.3	0.08	RIF
67.3				

END OF TRIP

@ 106m GRAB = 20%

(7.120 cc)  
530 G 30 C 30 B 10

LB FORK UPPER  
39 UPPER ROAD

0 (W) D T

13 1.1 1.1 0.12 RIFF  
13.0

1.8 1.7 1.7 0.18 POOL  
14.8

4.1 0.1 0.9 0.09 RAP  
19.9

14.4 1.2 1.1 0.06 RIFF  
33.3

1.6 1.4 1.4 6.2 POOL  
34.9

1.5 1.1 1.1 0.04 RIFF

3.4

8.9 1.0 0.9 0.09 RIFF  
45.3

1.4 1.2 1.1 0.25 POOL  
46.7

3.1 0.9 0.9 0.08 RAP  
49.8

9 0.8 0.8 0.09 RIFF  
52.8

1.2 0.9 0.9 0.07 RAP  
60.0

(11.5 min) END OF SAMPLE  
CURRENT ON MASSIVE  
0.42 CST - NO MAT.

0.45 OFD - 0.07 WOODS  
10.2 w/ CLUD - 1.5 min of DIS

(W 1.8 1.9 0.5)  
DL POOL

13m FROM FORD  
TO LF CURVE

1.7W 1.3L 1.3D

PL POOL

↑

RF CURVE

0.62 CST - No MAT

1.5 m ROAD FILL

10% W/CURVE - 0.05

0.3 OF DROP

WOOD

CL 1.1578 15.3

RF - UPSTR OF  
 [1] UPPER LOGGING R

H O W D T

0				
6.3	1	0.9	0.08	RFF
6.3				
2.3	1.3	1.3	0.15	W/L
8.6				
8.9	0.8	0.8	0.13	RFF
17.5				
2.8	0.9	0.9	0.25	POOL
20.3				WTC FROM BANK
19.7	0.8	0.8	0.2	RFF
40.1				
1.1	1.1	1.1	0.27	RFF

41.0				
8.4	0.8	0.8	0.12	RFF
49.2				
5.7	1.3	1.3	0.07	RAP
54.9				

END OF SURVEY  
 GRADIENT  
 2.0%

7-B TRIB @

M. LOOP 140 Y.

2000 @

H O W D T

2.5 0.9 0.9 0.15 RFA

1.7 0.9 0.9 0.32 RFA

11.3 1.3 1.3 0.5 RFA

1.1 1.2 1.2 0.24 DOU

4.9 1.6 1.4 0.06 RFA

2.3 2.0 1.9 0.3 PFA

5.9 1.2 1.2 0.2 RFA

2.1 2.1 2.1 0.31 PFA

4.1 0.8 0.8 0.17 RFA

2.2 1.2 1.2 0.39 PFA

16.9 0.8 0.8 0.25 RFA

60.0

END OF SAMPLE

105.8 LEAVING ROAD

SIDE DITCH

END OF REACH

3-5/16 SHD G40 C5 B15

212m 1.2 1.2 0.4  
 223  
 230 1.3 1.1 0.2  
 46.8  
 4.2 1.5 1.5 0.3  
 231  
 4.7 1.1 1.1 0.2  
 250  
 8.1 1.3 1.3 0.2  
 263  
 8.2  
 272.0

285m SM LG 1.3  
 LBSC 2'  
 5.7%  
 550 B. can (50)  
 300  
 9.7 1.3 1.2 0.1  
 309.7  
 1.3 2.4 2.4 3.1  
 311.0  
 7.4 1.2 1.1 0.1  
 318.4  
 3.1 2.0 1.8 0.3  
 321.5  
 13.5 1.1 1.0 0.2  
 335

H	D	W	D	T
335				
6.4	1.7	1.7	0.35	RA07
341.4				
1.4	1.0	0.9	0.05	RA07
342.8				
17.2	1.2	1.2	0.1	RA07
360	800 of 5000			
7127	5000 2000 620			
450	end of			
	C. J. J. J. J.			

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