



Cross Section Survey Data Sheet

Date / Time: 5th of JULY CR.

Crew: DBT, MP, BT, RV

River: 6/23/14

Northing / Lat: 3162231.5'

Cross Section: XS1-XS5

Easting / Long: 1647399.0'

Waypoint #s:

Est. Q (cfs)

Length: XS1-XS2 = 33.5'

Comments: All measurements taken on INST 1

XS2-XS3 = 40.8'

XS3-XS4 = 22.9' , XS4-XS5 = 45.6'

Point	BS (+)	HI	FS (-)	Elev	Notes
XS5R	0.63			100.00	assumed
INST 1		100.63			
XS5L			2.01	98.62	
XS1R			5.85	94.78	
XS1L			6.15	94.48	
BM			11.84	88.79	

BM = NAIL

~~HTI CF-1~~

HDR CP-1

Station	Rod	Depth	Elevation	Description	Notes
XS5R 3.3	0.63			top of pin	bar and cap
3.3	0.85			base of pin	
11.0	6.10			top of bank	start of boulder/cobbles
16.0	8.47			REW	
17.0	9.30				
20.0	9.52				
22.0	9.54				TOB toe of bank
24.0	9.58				
25.0	10.21				
27.0	9.53				
29.0	9.46				
32.0	9.26				
34.5	8.48			LEV	
37.0	7.76			cobbles	
40.0	7.49			TOB toe of bank	
43.0	6.13				
45.0	2.27			TOP OF BANK	
46.0	2.36			GROUND AT PIN	
XS5L 46.0	1.99			TOP OF CAP	XS5L
XS1R	5.85			TOP OF XS1R CAP	
	6.15			TOP OF XS1L CAP	
10.4					
XS2R 10.4	3.63			POINT ON BANK	
15.0	7.01			TOE OF BANK	start of COB
20.0	7.57				
23.0	8.61				
25.5	9.24			REW	
26.0	9.56				
28.0	9.73				



Date / Time: 6/23/14
 Cross Section: X31-X55

Crew: DBT, BT, MP, RV

Station	Rod	Depth	Elevation	Description	Notes
30.0	9.59				POB = point on bank
32.0	9.94				
33.0	10.13				
35.0	10.09				
37.0	10.53				
39.0	10.42				
41.0	10.32				
43.0	9.41			LEW	
45.0	6.99			POINT ON SLOPE	
48.0	4.57			TOP BANK	
51.0	5.12				START OF VEG ALDERS DEVILS CLUB
X32P 3.0	4.37			POB	PROVISIONAL
9.0	7.88			TOE BANK	
13.0	8.07				
18.0	9.60			REW	
20.0	10.08				
22.0	10.16				
24.0	10.42				
26.0	10.19				
28.0	10.50				
30.0	10.55				
32.0	10.55				
34.0	10.58				

Photo Log

Photo #	Description
273	Looking upstream from XS-1
277	Looking downstream from XS-5

Comments:



Cross Section Survey Data Sheet

Date / Time: 6/23/14
 River: 5th OF JULY CR.
 Cross Section: XS1-XS5
 Waypoint #s:
 Length: See page 1/4

Crew: MP, BT, DBT, RV
 Northing / Lat: 3162231.5'
 Easting / Long: 1647399.0'
 Est. Q (cfs)
 Comments:

KICKED INST

Point	BS (+)	HI	FS (-)	Elev	Notes
BM	11.73			88.79	
INST 2		100.52			
XS1R			5.76	94.76	✓ OK
XS1L			6.05	94.47	✓ OK
XSSR			0.53	99.99	✓ OK
XSSL			1.89	98.63	✓ OK

Station	Rod	Depth	Elevation	Description	Notes
X53 35.0	10.45				
36.0	9.66			LEW	
37.0	8.83			TOE OF NEAR VERTICAL BANK	
38.0	5.30			TOP OF BANK	
45.0	5.80				
X52R 13.0	4.87			POINT ON BANK	SLOPE
19.0	8.96			TOE OF SLOPE	
23.0	9.32			GRADE BREAK	
27.0	10.43			REW	
29.0	7.25				
30.0	7.33				
32.0	10.99				
34.0	11.12				
36.0	11.23				
38.0	11.20				
40.0	11.23				
42.0	10.94				
44.0	10.67				
46.0	10.44				
48.0	10.12			LEW-TOE OF BANK	
52.0	5.50			TOP OF BAN	
X52L 58.0	6.09				
X51R 1.0	5.86			TOP OF CAP	✓ OK
3.0	8.60			POINT ON SLOPE	
9.0	11.26			REW	
12.0	11.22				
14.0	11.54				
16.0	11.99				

SUSITNA-WATANA HYDRO



Date / Time: 6/23/14 1145
 Cross Section: XS-1

Crew: MP, BT, DBT, RV

Station	Rod	Depth	Elevation	Description	Notes
18.0	11.96				
20.0	11.89				
22.0	12.05				
23.0	11.93				
25.0	11.75				
27.0	11.31				
29.0	11.11			LEW	
31.0	11.00			TOP OF BANK	
33.0	8.46			POB	
37.0	6.64			POB	
39.0	6.41			GROUND AT BAR	
39.0	6.14			TOP BAR	CAP ✓ OK
BM	11.73		88.79		
INSTZ			100.52		
XS1R	5.76		94.76	✓ OK	
XS1L	6.05		94.47	✓ OK	
XS5R	0.53		99.99	✓ OK	
XS5L	1.89		98.63	✓ OK	

Photo Log

Photo #	Description
27	

Comments:
