



TETRA TECH

UNDER ICE BED PHOTO SAMPLING

SUSITNA-WATANA
HYDROELECTRIC PROJECT

Date & Time: 3-31-14 15:00

Crew: BT, MP

Sheet 1 of 2

Location: 17H.5

Weather: Clear

Camera: #2, Gaffo #3

GPS Unit: PDX

Comments: Thinner, transparent to nearly transparent ice.
Photos: #0355 LB → RB. #0356 RB → LB. #0357 DS → US. #0360-0361 Aerial View

(A) Sample #	(B) GPS Point #	(D) Snow Depth (ft)	(E) Ice Thickness (ft)	(F) Top of Ice to Bed Distance (ft)	(G) Flow Depth (F-E) (ft)	(H) Frazil Ice Present?	(I) Anchor Ice Present?	(J) Freeboard Height (ft)	(K) Camera Height above Bed (ft)	(L) Video #	(M) Comments / Bed Description
1	51	0	1.0	75		AY	N	.1	4	3	
2	52	0	.9	79		AY	N	.1	4	4	
3	53	0	1.0	84		AY	N	.1	4	5	
4	54	0	1.1	84		Y	N	.1	4	6	
5	55	0	1.0	84		Y	N	.1	4	8	
6	56	0	1.2	81		Y	N	.3	4	9	
7	57	0	1.2	75		Y	N	.2	4	10	
8	58	0	1.1	80		Y	N	.1	4	11	
9	59	0	1.1	83		Y	N	.2	4	12	
10	50	1"	1.1	85		Y	N	.1	4	13	
11	511	1"	1.1	87		Y	N	.1	4	14	
12	512	0	1.2	83		Y	N	.2	4	15	
13	513	1"	1.2	77		Y	N	.2	4	16	
14	514	1"	1.3	87		Y	N	.2	4	17	
15	515	1"	1.2	85		Y	N	.1	4		

Photo Back up # 364 Gaffo #2

QC1

v1 3/2014

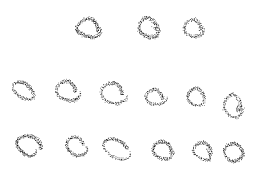
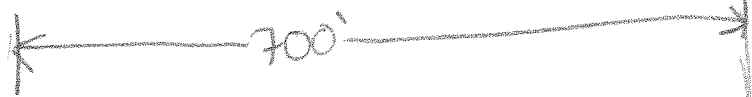
3/3/14

QC 0 BT

Rv # 365 (can 2)

Direction of Flow →

STEP ROCK FACE



Bank

Vegetated Island

Vegetated Island