Provisional data subject to revision

SUSITNA-WATANA HYDRO
Clean, reliable energy for the next 100 years.

Subsurface Field Sieve Data Sheet

River: Susitna R. | Crew: DT, MP, RV, RT
Date / Time: 6-24-14 9:30am | Northing / Lat: 3223571.0
Field Book # DST | Easting / Long: 1722245.5
Sample Location: PRM 147.8 | Comments: P304 - ~ u/s along transect
Sample Number: S1 | P302 - Excavated hole

Sample Type: Main Ch Bar | Bank | Trib Fan | Trib Chan

Evidence of ice rafted material at head of island.

Total Sample Weight

(1) Bucket #	(2) Bucket Wt (lbs)	(3) Bucket + Sample (lbs)	(4) Sample Wt (lbs)
			Col 3 - Col 2
1	1.7	61.7	60.0
2	1.7	54.2	52.5
3	1.7	73.6	71.9
4	1.7	52.8	51.1
5	1.7	60.4	58.7
6	1.7	70.6	68.9
7	1.7	46.8	45.1
8	1.7	62.0	60.3
9			
10			
Totals			468.5

Excess Water (lbs): None.

NOTE:
* All photos and locations are documented on the Surface Sample Data Sheet

Retained Weight

(1) Sieve Size (mm)	(2) Container Wt (lbs)	(3) Wt 1 (lbs)	(4) Wt 2 (lbs)	(5) Total Weight (lbs) (Containers + material)	(6) # of Containers * Container Weight (lbs)	(7) Sediment Weight (lbs)	(8) Cumulative Weight of Samples (lbs)
					# Wts * Col 2	Col 5 - Col 6	Sum Vertically
360 *							
256 *							
180 *				1.7	31.6	29.9	29.9
128 *				1.7	41.3	39.6	69.5
90.0*	1.7	42.2	56.3	3.4	98.5	95.1	164.6
64.0*				1.7	32.2	30.5	195.1
45.0				1.7	55.2	53.5	248.6
32.0				1.7	36.4	34.7	283.3
22.5				1.7	26.6	24.9	308.2
16.0				1.7	21.6	19.9	328.1
8.0				~~67.4~~			
Remainder				67.4	206.2	138.8	466.9
TOTALS							
Subsample to Lab	15.9						

lab. (15.9) = 1.7 - 17.6

* Larger samples sorted by size using gravelometer

$$\frac{\text{Total Sample Weight - Total Retained Weight}}{\text{Total Sample Weight}} = \frac{468.5 - 466.9}{468.5} = 0.3\%$$

Label Bag and Tag: Date, River, PRM, Sample # (Typically only one sample per site, so sample 1), then sample type "Surface/Subsurface", "Subsurface", "Bank", "Trib Fan" or "Trib Channel" along with "Minus 16" and WP #.

QC1: RAV | Photo Backup # 310 | Page: 1 of 1 | v3 6/16/2014