



SUSITNA-WATANA HYDRO

Subsurface Field Sieve Data Sheet

River: Little Susitna Gusena

Crew: MDH, RAV, CB, REG

Sample Location: PRM 184.0

Northing / Lat: 322 59 74.9'

Date / Time: 7/24/14

Easting / Long: 186 88 64.9

Field Book # MDH

Comments:

Sample Number: SZ

Sample Type: Main Ch Bar Bank Trib Fan Trib Chan

Total Sample Weight			
(1)	(2)	(3)	(4)
Bucket #	Bucket Wt (lbs)	Bucket + Sample (lbs)	Sample Wt (lbs)
		<u>57.5</u>	Col 3 - Col 2
1	<u>1.7</u>	<u>57.5</u>	<u>55.8</u>
2	<u>1.7</u>	<u>67.9</u>	<u>66.2</u>
3	<u>1.7</u>	<u>69.3</u>	<u>67.6</u>
4	<u>1.7</u>	<u>71.3</u>	<u>69.6</u>
5	<u>1.7</u>	<u>66.1</u>	<u>64.4</u>
6	<u>1.7</u>	<u>72.6</u>	<u>71.2</u>
7		<u>72.9</u>	
8			
9			
10			
Totals	<u>10.2</u>	<u>425</u>	<u>414.8</u>

Excess Water (lbs) none

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

414.8

Retained Weight				
(1)	(2)	(3)	(4)	(5)
Sieve Size (mm)	Total Weight (lbs) (Containers + material)	# of Containers * Container Weight (lbs)	Sediment Weight (lbs)	Cumulative Weight of Samples (lbs)
		# Wts * Col 2	Col 3 - Col 2	Sum Vertically
360 *				
256 *	<u>25.6</u>	<u>1.7</u>	<u>23.9</u>	<u>23.9</u>
180 *	<u>21.4</u>	<u>1.7</u>	<u>19.7</u>	<u>43.6</u>
128 *	<u>7.1</u>	<u>1.7</u>	<u>5.4</u>	<u>49.0</u>
90.0 *	<u>61.2</u>	<u>1.7</u>	<u>59.5</u>	<u>108.5</u>
64.0 *	<u>58.0</u>	<u>1.7</u>	<u>53.3</u>	<u>161.8</u>
45.0 49.1	<u>38.7</u>	<u>1.7</u>	<u>47.4</u>	<u>209.2</u>
32.0	<u>40.2</u>	<u>1.7</u>	<u>38.5</u>	<u>247.7</u>
22.5	<u>25.1</u>	<u>1.7</u>	<u>23.4</u>	<u>271.1</u>
16.0	<u>18.1</u>	<u>1.7</u>	<u>16.4</u>	<u>287.5</u>
8.0				
Remainder	<u>191.1</u>	<u>67.4</u>	<u>287.5</u>	<u>287.5</u>
Totals	<u>493.9</u>	<u>82.7</u>	<u>411.2</u>	<u>411.2</u>
Subsample to Lab	<u>23.1</u>	<u>1.7</u>	<u>21.4</u>	

* Larger samples sorted by size using gravelometer

Total Sample Weight - Total Retained Weight
Total Sample Weight

414.8 - 411.2 = 3.6
414.8

3.6

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 # 673

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