



Storm Event Summary Report

City and County of Honolulu Kaelepulu Pond Monitoring

Site Location: Hele Lined Channel

Sample ID: Hele
Sample Date: 8/8/2014
Event Rainfall: 0.54-inches

Sampling Results Summary Table

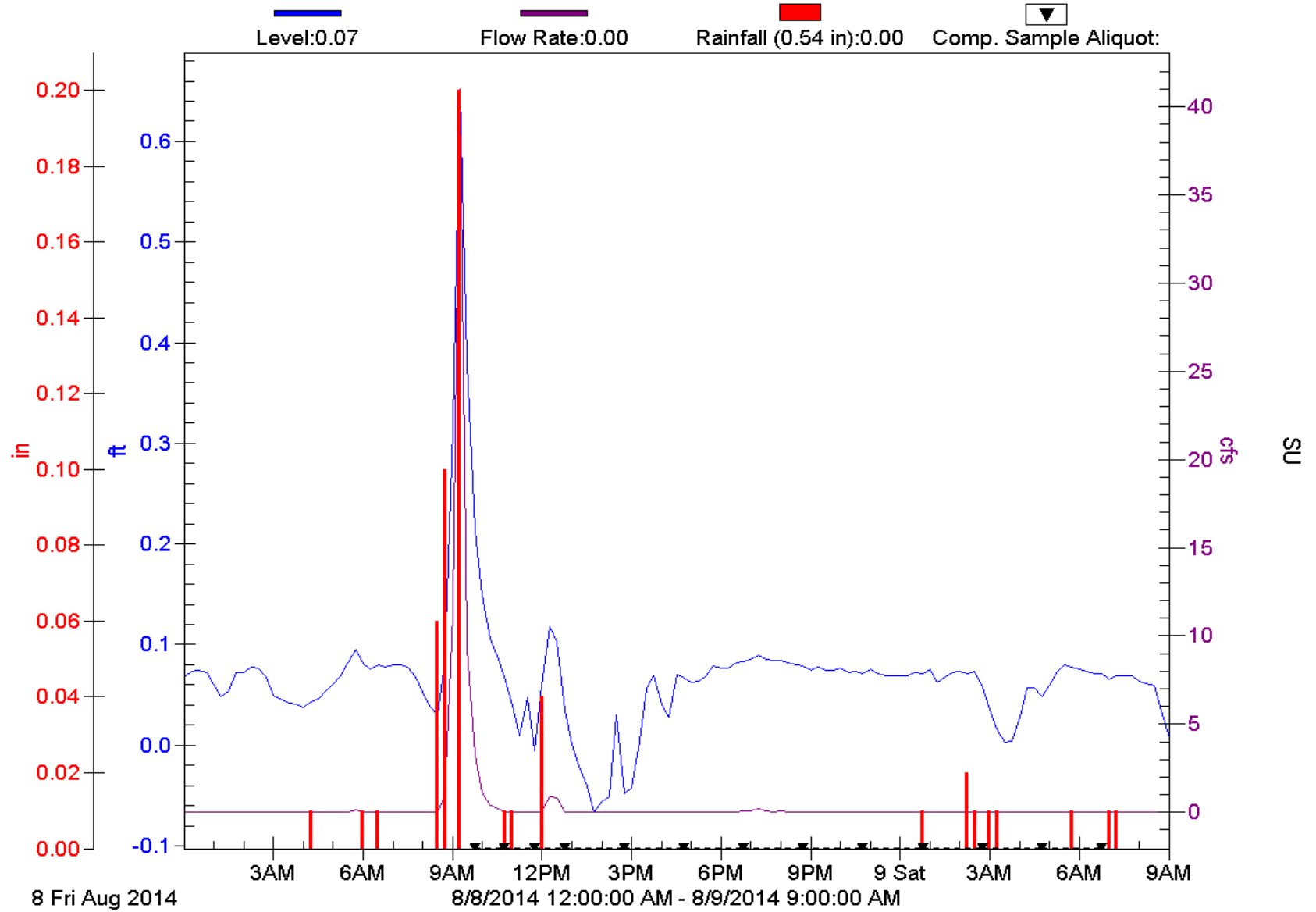
	Parameter (units)	Analytical Result	Method
C O M P	Total Suspended Solids (mg/l)	1	SM 2540 D
	Ammonia Nitrogen (mg/l)	2	EPA 350.1
	Nitrate + Nitrite as Nitrogen (mg/l)	3	EPA 353.2
	Total Phosphorous (mg/l)	4	EPA 365.3

*Composite parameters analytical results represent event mean concentration (EMC).

Enclosures:

1. Storm Event Hydrograph with Rainfall Data and Composite Aliquot Sample Markers
2. Kaelepulu Storm Water Monitoring Field Sheets
3. Storm event Composite and Flow Calculation Form
4. Columbia Analytical Services (CAS) Laboratory COC and Analytical Report

Hele Lined Channel Kaelepulu Watershed Study





Composite and Flow Calculation Form
City and County of Honolulu Kaelepu Pond Monitoring

Site Location: **Hele Lined Channel**

Sample ID: Hele
 Sample Start Date: 8/8/2014
 Sample Team: BB/BK
 Last Significant Rain Event: 7/22/2014 17:00
 Rain Event Start Date/Time: 8/8/2014 4:15
 Sampler Enable Date/Time: 8/8/2014 8:46
 Grab Sample Date/Time: Not collected due to lab closure.
 Composite Sample Date/Time: **8/9/2014 6:46**

Sampler Part A- Aliquot Interval (hrs): 1.00
 Sampler Part A- Number of Aliquots: 4

Sampler Part B- Aliquot Interval (hrs): 2.00
 Sampler Part B- Number of Aliquots: 9

Composite Sample- Total Time (hrs): 24.00
 Composite Sample- Total Aliquots: 13

Composite

Aliquot Period Date/Time	Aliquot (Bottle) Number	Aliquot Period Flow - Q _A (CF)	Aliquot Period Average Flow Intensity (CFS)	Aliquot Period % Q _A /Total Q (percent)	Volume for 2000 mL Composite Bottle (mL)	Volume for 1000 mL Composite Bottle (mL)	Volume for 500 mL Composite Bottle (mL)
8/8/2014 9:46	1	58400.37	16.222	94.58%	1891.52	945.76	472.88
8/8/2014 10:46	2	1537.44	0.427	2.49%	49.80	24.90	12.45
8/8/2014 11:46	3	0.00	0.000	0.00%	0.00	0.00	0.00
8/8/2014 12:46	4	1553.52	0.432	2.52%	50.32	25.16	12.58
8/8/2014 14:46	5	0.00	0.000	0.00%	0.00	0.00	0.00
8/8/2014 16:46	6	0.00	0.000	0.00%	0.00	0.00	0.00
8/8/2014 18:46	7	112.18	0.016	0.09%	1.82	0.91	0.45
8/8/2014 20:46	8	390.64	0.054	0.32%	6.33	3.16	1.58
8/8/2014 22:46	9	0.00	0.000	0.00%	0.00	0.00	0.00
8/9/2014 0:46	10	0.00	0.000	0.00%	0.00	0.00	0.00
8/9/2014 2:46	11	0.00	0.000	0.00%	0.00	0.00	0.00
8/9/2014 4:46	12	0.00	0.000	0.00%	0.00	0.00	0.00
8/9/2014 6:46	13	13.55	0.002	0.01%	0.22	0.11	0.05
Storm Total:	13	62007.70	17.153	100%	2000	1000	500