



Storm Event Summary Report

City and County of Honolulu Kaelepulu Pond Monitoring

Site Location: Aleka Lined Channel

Sample ID: Aleka
Sample Date: 7/20/2014
Event Rainfall: 5.74-inches

Sampling Results Summary Table

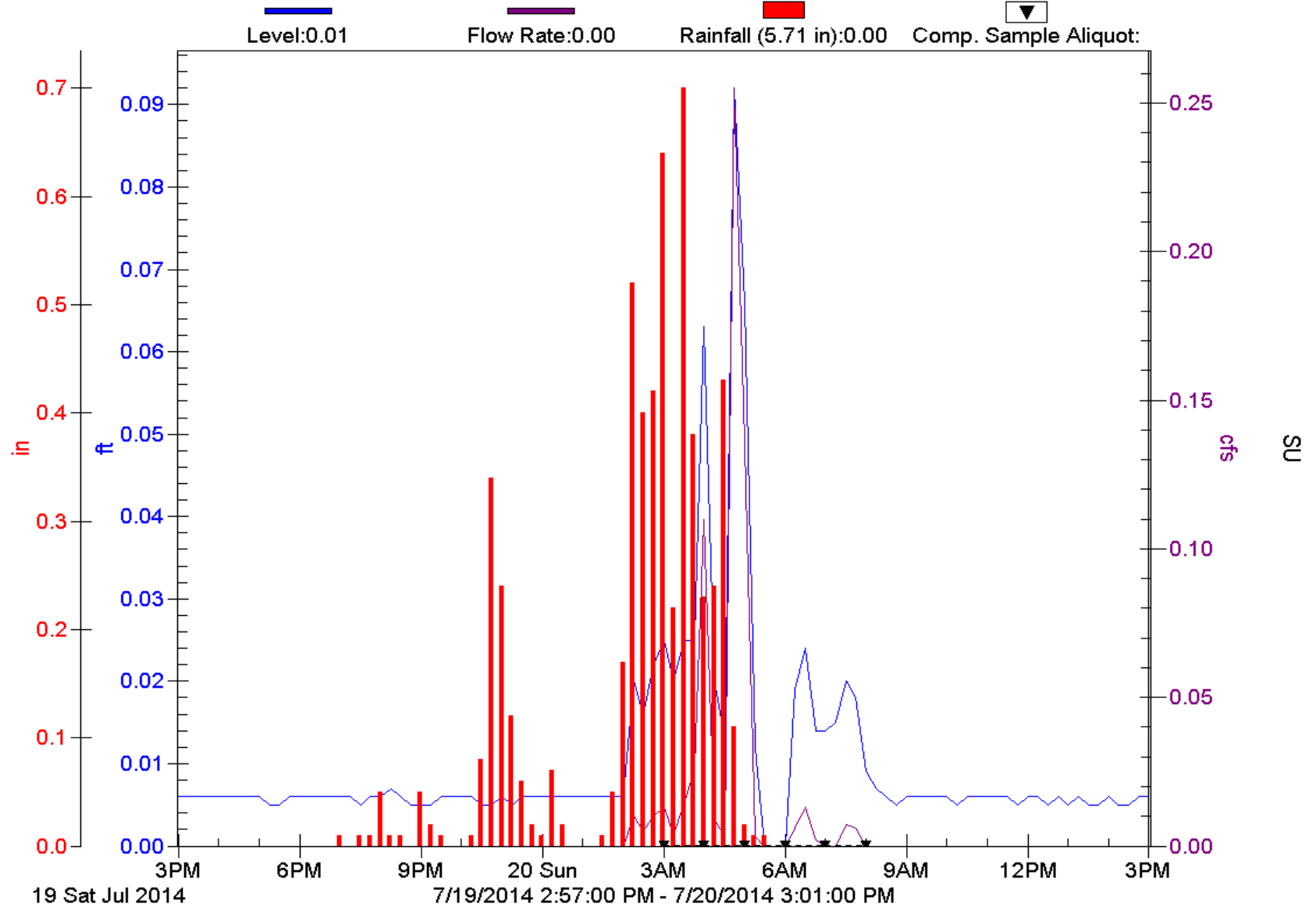
	Parameter (units)	Analytical Result	Method
	Enterococcus (MPN/100 ml)	>2400	<i>Grab--EPA 1600</i>
C O M P	Total Suspended Solids (mg/l)	456	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	0.069	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.966	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.727	<i>EPA 365.3</i>

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

Enclosures:

- 1. Storm Event Hydrograph with Rainfall Data and Composite Aliquot Sample Markers**
- 2. Storm event *Composite and Flow Calculation Form***
- 3. Columbia Analytical Services (CAS) Laboratory *COC and Analytical Report***

Aleka (Conservation)
Kaelepulu Watershed Study





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

Site Location: **Aleka Place (Conservation) Stream Channel**

Sample ID: Aleka
Sample Date: 7/20/2014
Sample Team: BB/BK
Last Significant Rain Event: 6/20/2014 9:15
Rain Event Start Date/Time: 7/19/2014 19:30
Sampler Enable Date/Time: 7/20/2014 2:00
Grab Sample Date/Time: 7/20/2014 2:17
Composite Sample Date/Time: 7/20/2014 8:00

Sampler Part A- Aliquot Interval (hrs): 1.00
Sampler Part A- Number of Aliquots: 6

Sampler Part B- Aliquot Interval (hrs): 2.00
Sampler Part B- Number of Aliquots: 0

Composite Sample- Total Time (hrs): 6.00
Composite Sample- Total Aliquots: 6

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)
7/20/2014 3:00	1	34	0.010	6.02%	120.44	60.22	30.11
7/20/2014 4:00	2	139	0.038	24.41%	488.11	244.06	122.03
7/20/2014 5:00	3	362	0.101	63.71%	1274.17	637.08	318.54
7/20/2014 6:00	4	3	0.001	0.48%	9.51	4.75	2.38
7/20/2014 7:00	5	19	0.005	3.33%	66.56	33.28	16.64
7/20/2014 8:00	6	12	0.003	2.06%	41.20	20.60	10.30
Storm Total:	6	568	0.150	100%	2000	1000	500