



Storm Event Summary Report

City and County of Honolulu Kaelepulu Pond Monitoring

Site Location: Kaopa Lined Channel

Sample ID: Kaopa
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)	348	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	0.069	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.973	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.478	<i>EPA 365.3</i>

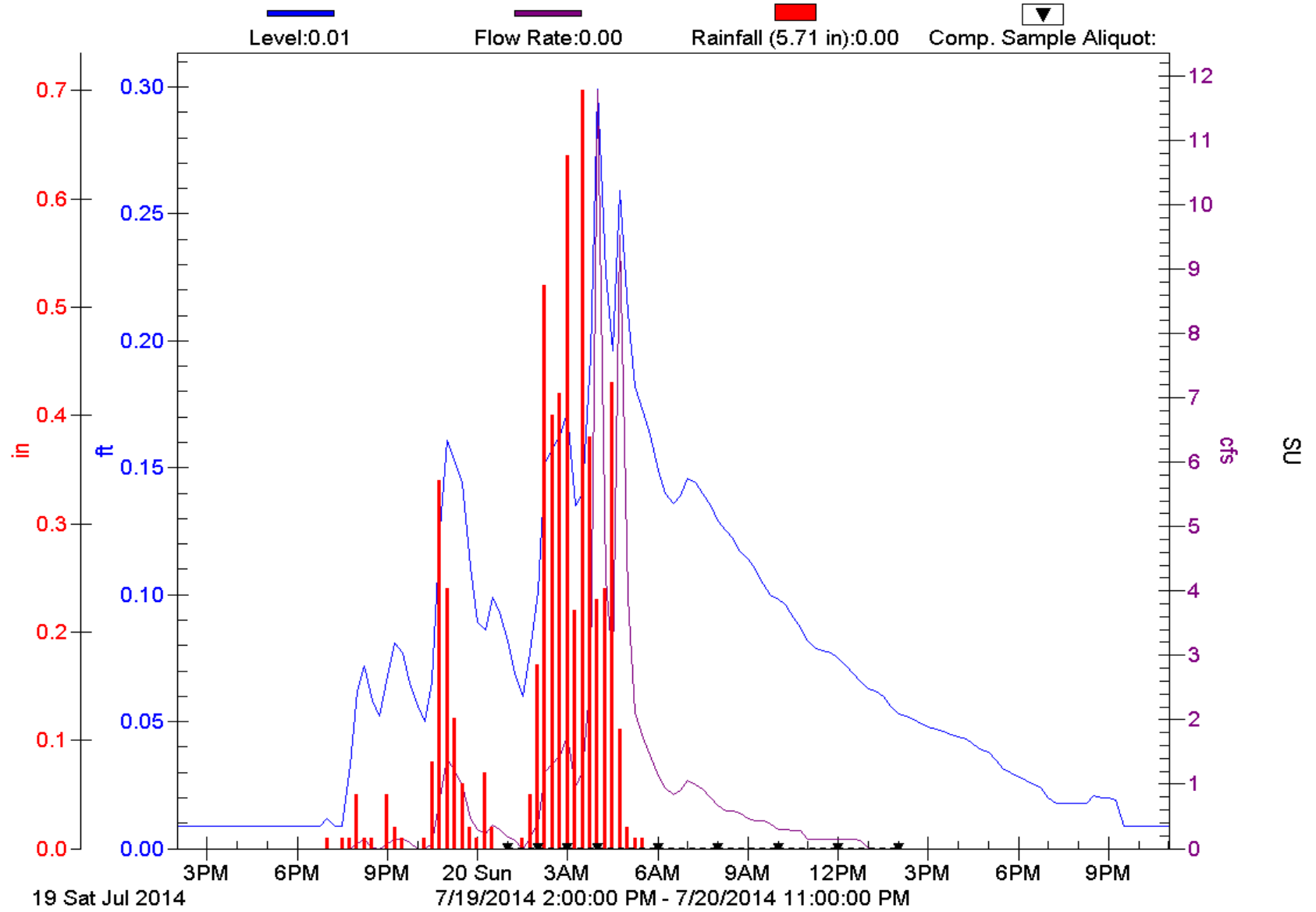
*Composite parameters analytical results represent event mean concentration (EMC).

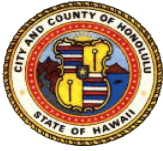
Enclosures:

- 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***

Kaopa Lined Channel

Kaelepulu Watershed Study





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

Site Location: **Kaopa Lined Channel**

Sample ID:	Kaopa
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 0:05
Grab Sample Date/Time:	7/20/2014 0:05
Composite Sample Date/Time:	7/20/2014 12:05
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:	4
Composite Sample- Total Time (hrs):	13.00
Composite Sample- Total Aliquots:	8

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 1:05	1	965	0.268	2.45%	49.10	24.55	12.27
7/20/2014 2:05	2	615	0.171	1.56%	31.28	15.64	7.82
7/20/2014 3:05	3	5149	1.430	13.10%	262.03	131.02	65.51
7/20/2014 4:05	4	14932	4.148	38.00%	759.90	379.95	189.98
7/20/2014 6:05	5	24127	3.351	30.70%	613.93	306.97	153.48
7/20/2014 8:05	6	6383	0.886	8.12%	162.41	81.21	40.60
7/20/2014 10:05	7	3345	0.465	4.26%	85.12	42.56	21.28
7/20/2014 12:05	8	1423	0.198	1.81%	36.21	18.10	9.05
Storm Total:	8	56939	10.917	100%	2000	1000	500