



Storm Event Summary Report

City and County of Honolulu Kaelepulu Pond Monitoring

Site Location: Hamakua Marsh (Commercial)

Sample ID: Hamakua

Sample Date: 1/3/2015

Event Rainfall: 0.96-inches

Sampling Results Summary Table

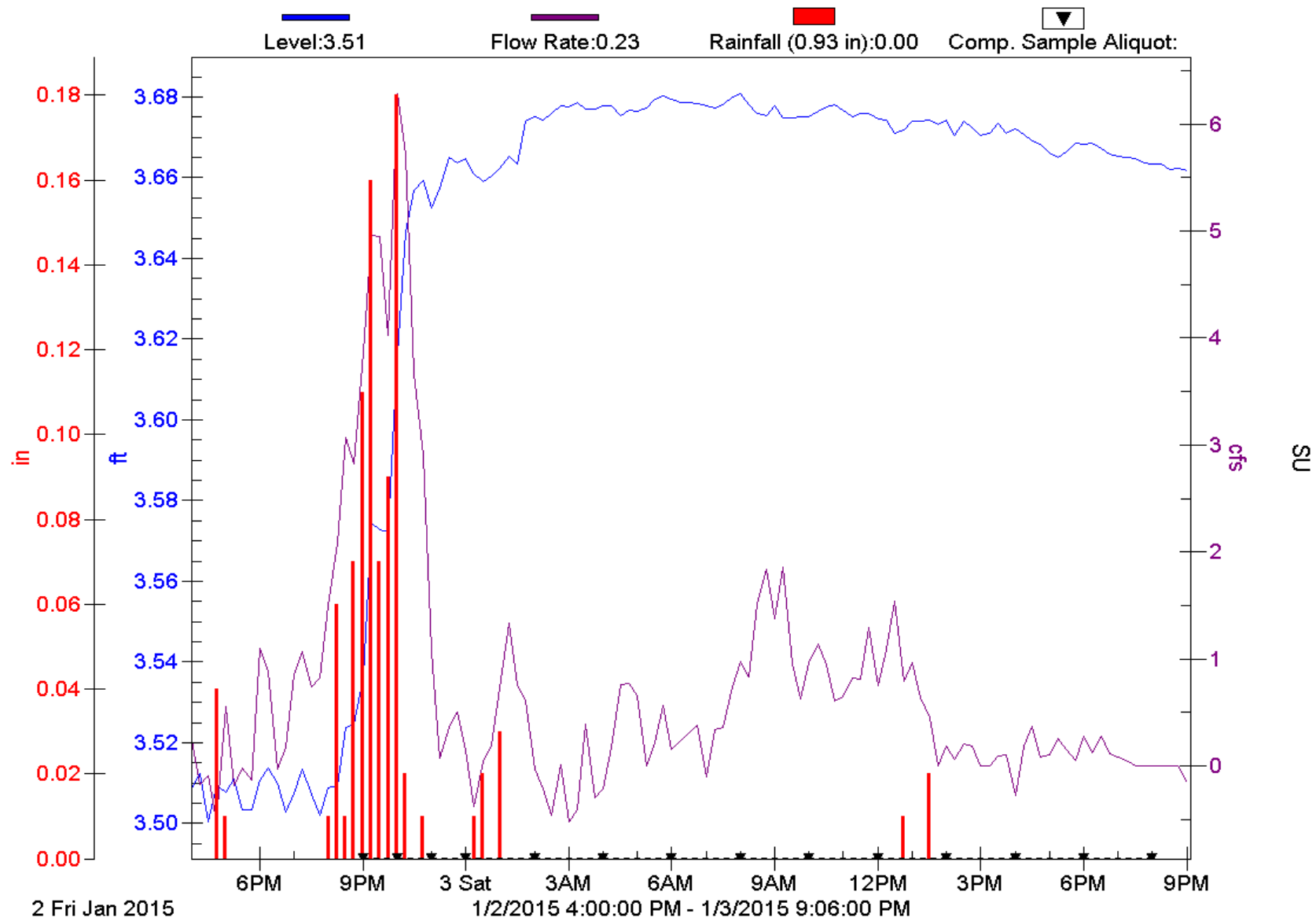
	Parameter (units)	Analytical Result	Method
C O M P	Total Suspended Solids (mg/l)	15	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	0.137	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	<0.05	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.138	<i>EPA 365.3</i>

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

Enclosures:

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

Hamakua Marsh (Commercial) Kaelepulu Watershed Study





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

Site Location: **Hamakua Marsh (Commercial)**

Sample ID: Hamakua
 Sample Start Date: 1/2/2015
 Sample Team: EP/BB?BK
 Last Significant Rain Event: 12/30/2015 23:00
 Rain Event Start Date/Time: 1/2/2015 10:45
 Sampler Enable Date/Time: 1/2/2015 20:00
 Grab Sample Date/Time: Not collected due to lab closure.
 Composite Sample Date/Time: **1/3/2015 20:00**

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: 10

Composite Sample- Total Time (hrs): 24.00
 Composite Sample- Total Aliquots: 14

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)
1/2/2015 21:00	1	10669.50	2.964	18.53%	370.59	185.30	92.65
1/2/2015 22:00	2	18194.40	5.054	31.60%	631.96	315.98	157.99
1/2/2015 23:00	3	12026.88	3.341	20.89%	417.74	208.87	104.43
1/3/2015 0:00	4	977.15	0.271	1.70%	33.94	16.97	8.48
1/3/2015 2:00	5	2929.85	0.407	2.54%	50.88	25.44	12.72
1/3/2015 4:00	6	0.00	0.000	0.00%	0.00	0.00	0.00
1/3/2015 6:00	7	2962.05	0.411	2.57%	51.44	25.72	12.86
1/3/2015 8:00	8	2910.67	0.404	2.53%	50.55	25.27	12.64
1/3/2015 10:00	9	8957.03	1.244	7.78%	155.55	77.78	38.89
1/3/2015 12:00	10	6306.80	0.876	5.48%	109.53	54.76	27.38
1/3/2015 14:00	11	5098.01	0.708	4.43%	88.54	44.27	22.13
1/3/2015 16:00	12	338.60	0.047	0.29%	5.88	2.94	1.47
1/3/2015 18:00	13	1333.86	0.185	1.16%	23.16	11.58	5.79
1/3/2015 20:00	14	589.57	0.082	0.51%	10.24	5.12	2.56
Storm Total:	14	73294.37	15.995	100%	2000	1000	500