



## **Storm Event Summary Report**

### **City and County of Honolulu Kaelepulu Pond Monitoring**

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

**Sample ID:** **Hamakua**

**Sample Date:** 2/3/2015

**Event Rainfall:** 0.28-inches

#### **Sampling Results Summary Table**

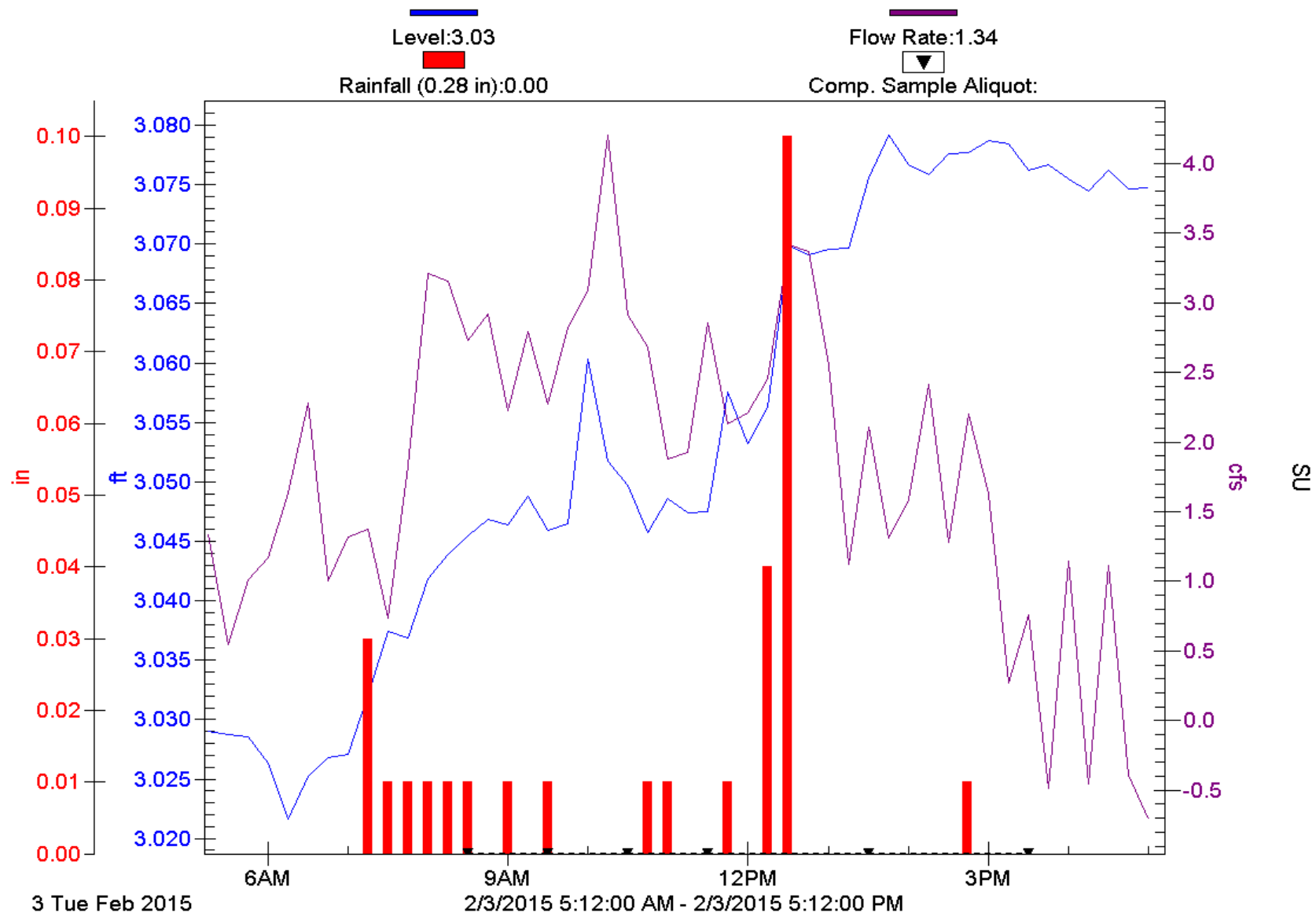
	<b>Parameter (units)</b>	<b>Analytical Result</b>	<b>Method</b>
	Enterococcus (count)	<b>12000</b>	<i>Grab--EPA 1600</i>
<b>C O M P</b>	Total Suspended Solids (mg/l)	<b>8</b>	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<b>0.216</b>	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	<b>&lt;0.05</b>	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	<b>0.136</b>	<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***

# 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:	2/3/2015
Sample Team:	BB/BK
Last Significant Rain Event:	1/24/2015 22:15
Rain Event Start Date/Time:	2/3/2015 7:15
Sampler Enable Date/Time:	2/3/2015 7:30
Grab Sample Date/Time:	2/3/2015 11:15
Composite Sample Date/Time:	<b>2/3/2015 15:30</b>
<hr/>	
Sampler Part A- Aliquot Interval (hrs):	1.00
Sampler Part A- Number of Aliquots:	4
<hr/>	
Sampler Part B- Aliquot Interval (hrs):	2.00
Sampler Part B- Number of Aliquots:	2
<hr/>	
Composite Sample- Total Time (hrs):	8.00
Composite Sample- Total Aliquots:	6

**Composite**

Aliquot Period Date/Time	Aliquot (Bottle) Number	Aliquot Period Flow - Q <sub>A</sub> (CF)	Aliquot Period Average Flow Intensity (CFS)	Aliquot Period % Q <sub>A</sub> /Total Q (percent)	Volume for 2000 mL Composite Bottle (mL)	Volume for 1000 mL Composite Bottle (mL)	Volume for 500 mL Composite Bottle (mL)
2/3/2015 8:30	1	9829	2.730	18.54%	370.88	185.44	92.72
2/3/2015 9:30	2	9187	2.552	17.33%	346.67	173.34	86.67
2/3/2015 10:30	3	11717	3.255	22.11%	442.16	221.08	110.54
2/3/2015 11:30	4	8407	2.335	15.86%	317.24	158.62	79.31
2/3/2015 13:30	5	17419	2.419	16.43%	328.66	164.33	82.16
2/3/2015 15:30	6	10303	1.431	9.72%	194.39	97.19	48.60
Storm Total:	6	66862	14.722	100%	2000	1000	500