



## **Storm Event Summary Report**

City and County of Honolulu Kaelepulu Pond Monitoring

**Site Location:** Akipola Lined Channel

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

### **Sampling Results Summary Table**

	<b>Parameter (units)</b>	<b>Analytical Result</b>	<b>Method</b>
	Enterococcus (MPN/100 ml)	<b>&gt;2400</b>	<i>Grab--EPA 1600</i>
C O M P	Total Suspended Solids (mg/l)	<b>388</b>	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<b>0.075</b>	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	<b>3.46</b>	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	<b>0.617</b>	<i>EPA 365.3</i>

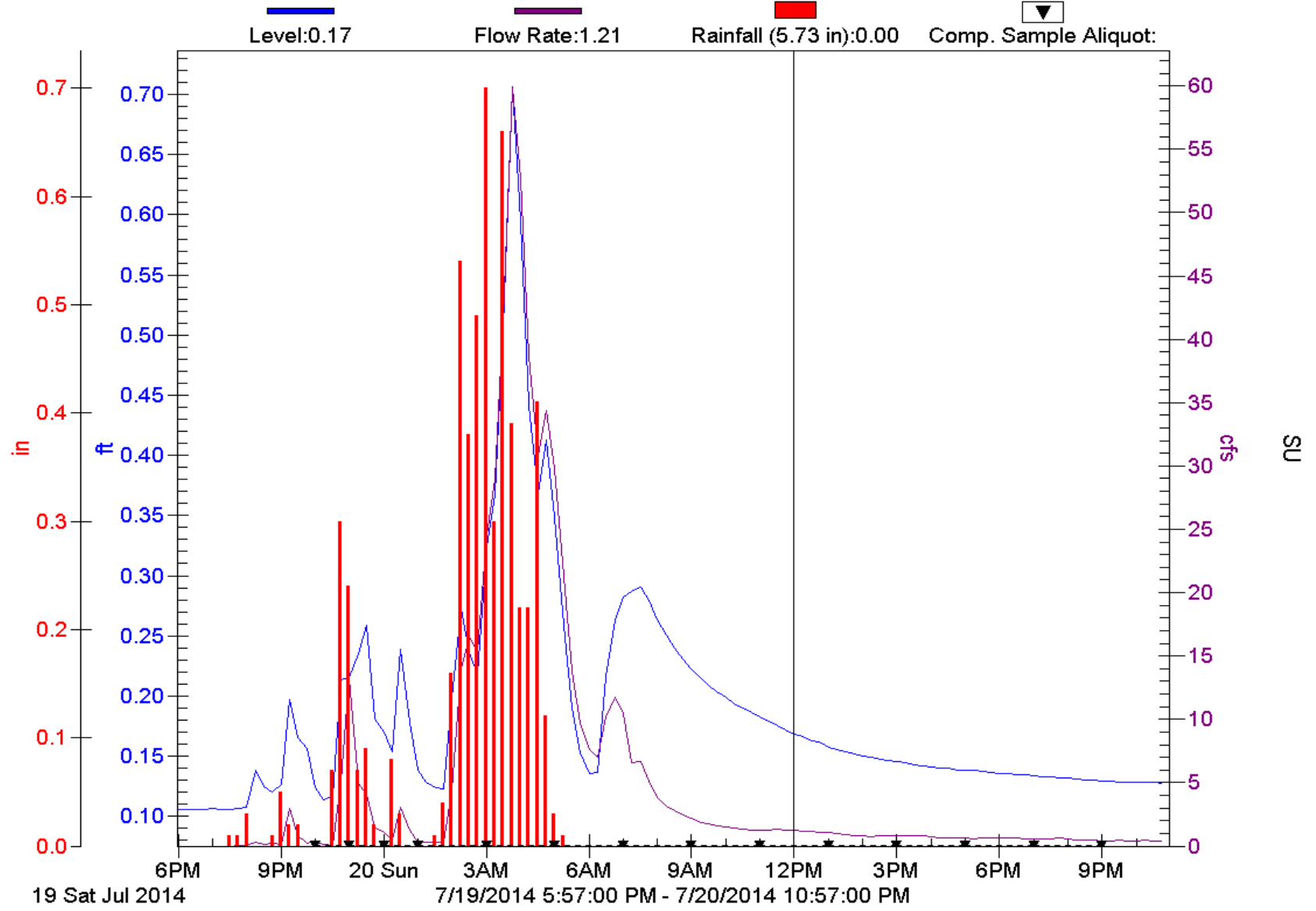
\*Composite parameters analytical results represent event mean concentration (EMC).

### **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***

# Akipola Lined Channel

## Kaelepulu Watershed Study





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

Site Location: **Akipola Lined Channel**

Sample ID: Akipola  
 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: 7/19/2014 21:01  
 Grab Sample Date/Time: 7/20/2014 0:25  
 Composite Sample Date/Time: **7/20/2014 21:01**

---

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): 6.00  
 Composite Sample- Total Aliquots: 14

**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)
7/19/2014 22:01	1	3963	1.101	1.38%	27.54	13.77	6.89
7/19/2014 23:01	2	16714	4.643	5.81%	116.16	58.08	29.04
7/20/2014 0:01	3	10241	2.845	3.56%	71.17	35.58	17.79
7/20/2014 1:01	4	4684	1.301	1.63%	32.55	16.28	8.14
7/20/2014 3:01	5	68149	9.465	11.84%	236.81	118.40	59.20
7/20/2014 5:01	6	285170	39.607	49.55%	990.93	495.46	247.73
7/20/2014 7:01	7	82678	11.483	14.36%	287.29	143.65	71.82
7/20/2014 9:01	8	29512	4.099	5.13%	102.55	51.28	25.64
7/20/2014 11:01	9	10729	1.490	1.86%	37.28	18.64	9.32
7/20/2014 13:01	10	8562	1.189	1.49%	29.75	14.88	7.44
7/20/2014 15:01	11	5988	0.832	1.04%	20.81	10.40	5.20
7/20/2014 17:01	12	5171	0.718	0.90%	17.97	8.98	4.49
7/20/2014 19:01	13	4599	0.639	0.80%	15.98	7.99	4.00
7/20/2014 21:01	14	3800	0.528	0.66%	13.21	6.60	3.30
<b>Storm Total:</b>	<b>14</b>	<b>539960</b>	<b>79.939</b>	<b>100%</b>	<b>2000</b>	<b>1000</b>	<b>500</b>