



Storm Event Summary Report

City and County of Honolulu Kaelepulu Pond Monitoring

Site Location: Akipola Lined Channel

Sample ID: **Akipola**
Sample Date: 10/18/2019
Event Rainfall: 3.89-inches

Sampling Results Summary Table

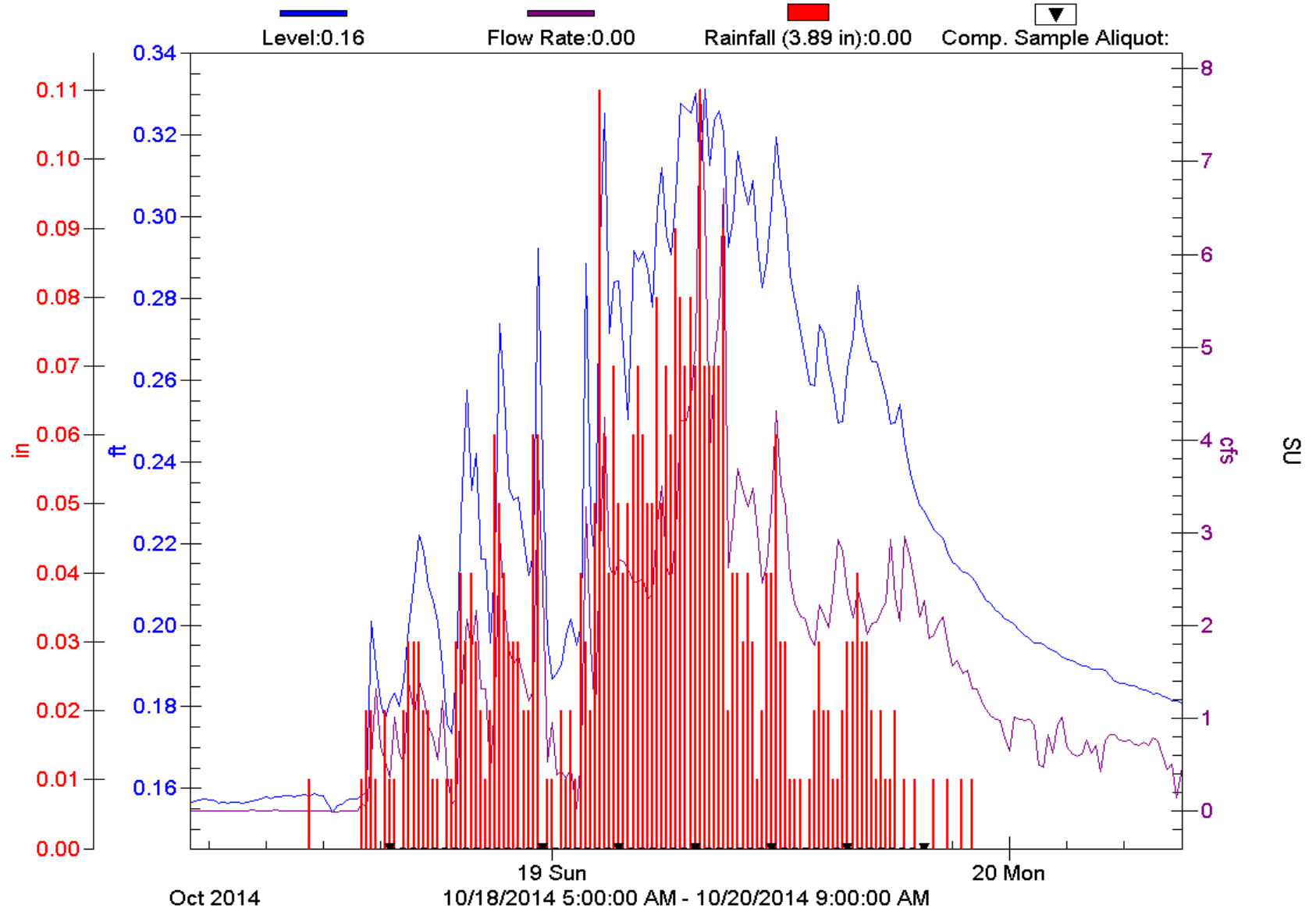
	Parameter (units)	Analytical Result	Method
	Storm Total Flow (CF)	237791	<i>Flow Meter Calculation</i>
C O M P 1	Total Suspended Solids (mg/l)	9	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	<0.05	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.294	<i>EPA 365.3</i>
C O M P 2	Total Suspended Solids (mg/l)	35	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.148	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.155	<i>EPA 365.3</i>
C O M P 3	Total Suspended Solids (mg/l)	14	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	1.18	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.199	<i>EPA 365.3</i>
C O M P 4	Total Suspended Solids (mg/l)	6.5	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.239	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.133	<i>EPA 365.3</i>
C O M P 5	Total Suspended Solids (mg/l)	5	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.384	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.407	<i>EPA 365.3</i>
C O M P 6	Total Suspended Solids (mg/l)	29.5	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	2.24	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.287	<i>EPA 365.3</i>
C O M P 7	Total Suspended Solids (mg/l)	24.5	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	3.78	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.327	<i>EPA 365.3</i>

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: Akiploa Lined Channel

Sample ID: Akipola 1-7
 Sample Start Date: 10/18/2014
 Sample Team: BB/BK
 Last Significant Rain Event: 10/5/2014 15:15
 Rain Event Start Date/Time: 10/18/2014 11:15
 Sampler Enable Date/Time: 10/18/2014 14:30
 Grab Sample Date/Time: Not collected due to lab closure.
 Composite Sample Date/Time: *Seven (7) Interval aliquots submitted from storm event at sample date/times below
 Composite Sample- Total Time (hrs): 29.00
 Composite Sample- Total Aliquots: 7

Composite

Aliquot Period Date/Time	Aliquot (Bottle) Number	Aliquot Period Flow - Q _A (CF)	Aliquot Total Time (Hours:Mins)	Aliquot Period Average Flow Intensity (CFS)	Aliquot Period % Q _A /Total Q (percent)
10/18/2014 15:30	1	2622.20	1:00	0.728	4.64%
10/18/2014 23:30	2	38811.78	8:00	1.348	8.58%
10/19/2014 3:30	3	22317.35	4:00	1.550	9.86%
10/19/2014 7:30	4	45001.35	4:00	3.125	19.89%
10/19/2014 11:30	5	59520.51	4:00	4.133	26.31%
10/19/2014 15:30	6	36444.96	4:00	2.531	16.11%
10/19/2014 19:30	7	33072.57	4:00	2.297	14.62%
Storm Total:	7	237790.71		15.712	100%