



Storm Event Summary Report
City and County of Honolulu Kaelepulu Pond Monitoring

Site Location: Hele Lined Channel

Sample ID: Hele 1-7
Sample Date: 10/18/2019
Event Rainfall: 3.89-inches

Sampling Results Summary Table

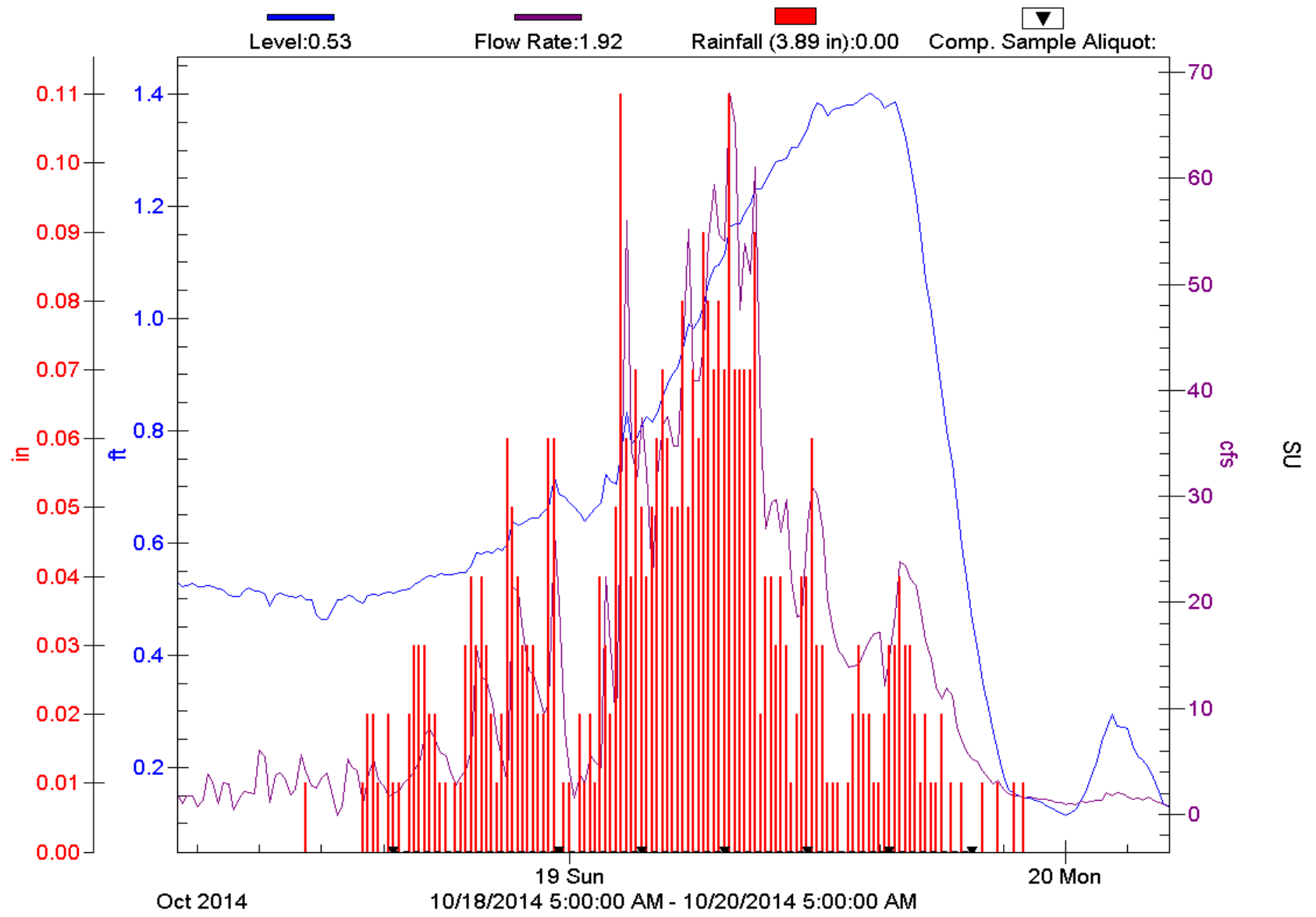
	Parameter (units)	Analytical Result	Method
	Storm Total Flow (CF)	2157251	<i>Flow Meter Calculation</i>
C O M P 1	Total Suspended Solids (mg/l)	654	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	0.181	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.223	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	2	<i>EPA 365.3</i>
C O M P 2	Total Suspended Solids (mg/l)	25	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.201	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.245	<i>EPA 365.3</i>
C O M P 3	Total Suspended Solids (mg/l)	26	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.579	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.285	<i>EPA 365.3</i>
C O M P 4	Total Suspended Solids (mg/l)	23.5	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.327	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.225	<i>EPA 365.3</i>
C O M P 5	Total Suspended Solids (mg/l)	17	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.561	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.245	<i>EPA 365.3</i>
C O M P 6	Total Suspended Solids (mg/l)	28	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	1.17	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.342	<i>EPA 365.3</i>
C O M P 7	Total Suspended Solids (mg/l)	18.5	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	<0.05	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	1.66	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.32	<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*

Hele Lined Channel

Kaelepulu Pond Watershed Study





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

Site Location: Hele Lined Channel

Sample ID: Hele 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	8592.75	1:00	2.387	1.68%
10/18/2014 23:30	2	274029.12	8:00	9.515	6.70%
10/19/2014 3:30	3	243691.65	4:00	16.923	11.91%
10/19/2014 7:30	4	609714.00	4:00	42.341	29.80%
10/19/2014 11:30	5	550557.90	4:00	38.233	26.91%
10/19/2014 15:30	6	261549.00	4:00	18.163	12.78%
10/19/2014 19:30	7	209116.17	4:00	14.522	10.22%
Storm Total:	7	2157250.59		142.084	100%