



Storm Event Summary Report

City and County of Honolulu Kaelepulu Pond Monitoring

Site Location: Hele Lined Channel

Sample ID: **Hele**

Sample Date: 1/3/2015

Event Rainfall: 0.96-inches

Sampling Results Summary Table

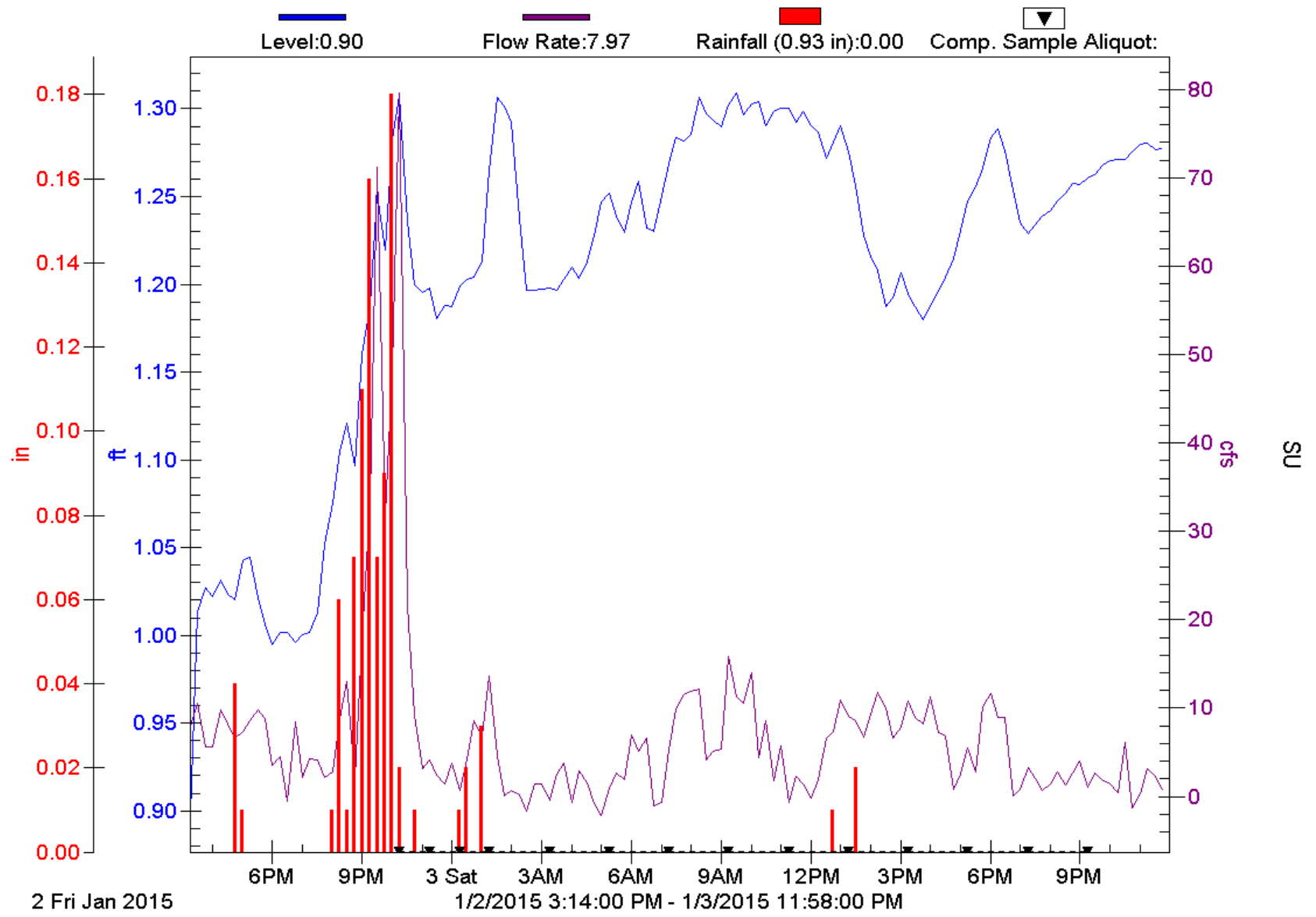
	Parameter (units)	Analytical Result	Method
C O M P	Total Suspended Solids (mg/l)	62	<i>SM 2540 D</i>
	Ammonia Nitrogen (mg/l)	0.186	<i>EPA 350.1</i>
	Nitrate + Nitrite as Nitrogen (mg/l)	0.359	<i>EPA 353.2</i>
	Total Phosphorous (mg/l)	0.436	<i>EPA 365.3</i>

*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***

Hele Lined Channel Kaelepulu Watershed Study





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

Site Location: Hele Lined Channel

Sample ID: Hele
 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	207722.70	57.701	45.29%	905.76	452.88	226.44
1/2/2015 22:00	2	34342.92	9.540	7.49%	149.75	74.87	37.44
1/2/2015 23:00	3	7489.99	2.081	1.63%	32.66	16.33	8.16
1/3/2015 0:00	4	30001.68	8.334	6.54%	130.82	65.41	32.71
1/3/2015 2:00	5	5803.23	0.806	0.63%	12.65	6.33	3.16
1/3/2015 4:00	6	7156.21	0.994	0.78%	15.60	7.80	3.90
1/3/2015 6:00	7	24064.59	3.342	2.62%	52.47	26.23	13.12
1/3/2015 8:00	8	68403.06	9.500	7.46%	149.13	74.57	37.28
1/3/2015 10:00	9	50196.70	6.972	5.47%	109.44	54.72	27.36
1/3/2015 12:00	10	35410.81	4.918	3.86%	77.20	38.60	19.30
1/3/2015 14:00	11	64587.69	8.971	7.04%	140.82	70.41	35.20
1/3/2015 16:00	12	46176.54	6.413	5.03%	100.67	50.34	25.17
1/3/2015 18:00	13	42018.62	5.836	4.58%	91.61	45.80	22.90
1/3/2015 20:00	14	14408.84	2.001	1.57%	31.41	15.71	7.85
Storm Total:	14	637783.56	127.408	100%	2000	1000	500