City of Santa Cruz Urban Watch Storm Drain Monitoring

Appendix 1

Urban Watch Monitoring Average-Min-Max Table, July-October 2001

Summary Table 1

	1V - Flow Depth Avg (cm)	Min	Max	2V - Flow Depth Avg (cm)	Min	Max	1V - Flow Width Avg (cm)	Min	Max	2V - Flow Width Avg (cm)	Min	Max
Bay	12.87	10.16	19.05	11.22	3.15	19.69	57.15	43.18	88.9	44.55	43.18	45.72
Delaware	2.73	1.02	5.08	3.06	1.27	5.08	42.86	15.24	61.0	44.66	30.48	58.4
Hollywood	9.44	8.23	10.16	10.00	6.99	11.43	59.60	35.56	114.3	83.28	38.1	134.6
Merced	8.10	5.08	15.24	8.16	5.72	15.24	57.20	50.8	73.66	57.92	53.59	73.66
Woodrow	1.91	0.64	4.06	1.56	1.02	2.79	36.02	20.32	50.8	40.26	34.29	55.88

	1V - pH Avg	Min	Max	2V - pH Avg	Min	Max	1V - Detergent Avg ppm	Min	Max	2V - Detergent Avg ppm	Min	Max
Bay	7.50	7.0	8.0	7.60	7.5	8.0	n/a	n/a	n/a	n/a	n/a	n/a
Delaware	7.25	7.0	7.5	7.32	7.0	7.5	n/a	n/a	n/a	n/a	n/a	n/a
Hollywood	7.70	7.5	8.0	7.80	7.5	8.0	n/a	n/a	n/a	n/a	n/a	n/a
Merced	7.45	7.0	8.0	7.50	7.0	8.0	n/a	n/a	n/a	n/a	n/a	0.1
Woodrow	7.32	7.0	7.5	7.35	7.0	7.5	n/a	n/a	n/a	n/a	n/a	n/a

	1V - Air Temp Avg (C)	Min	Max	2V - Air Temp Avg (C)	Min	Max	1V - Water Temp Avg (C)	Min	Max	2V - Water Temp Avg (C)	Min	Max
Bay	21.8	15.5	29.5	18.2	15.5	22.5	16.1	14.0	17.5	15.6	15.0	16.5
Delaware	19.5	15.0	23.5	17.7	14.5	22.0	18.4	17.0	19.0	18.1	17.0	19.0
Hollywood	19.5	15.5	24.0	19.4	15.0	27.0	17.1	13.5	20.5	16.1	15.0	17.0
Merced	19.8	14.0	24.0	17.6	14.0	21.0	1837.0	13.0	20.0	19.4	19.0	20.0
Woodrow	19.8	14.0	26.0	16.3	13.5	20.5	15.8	14.5	17.0	15.0	14.0	16.0

	1V - Conductivity Avg (mS)	Min	Max	2V - Conductivity Avg (mS)	Min	Max
Bay	530.0	510	550	526.0	500	550
Delaware	761.0	740	790	777.8	750	800
Hollywood	486.0	450	530	485.0	480	500
Merced	816.0	790	850	832.7	790	860
Woodrow	755.5	710	790	778.0	760	800

1V = first visit
2V = second visit
n/a = <2 valid datapoints.

Urban Watch Monitoring Maximum Values, July-October 2001

Summary Table 2

	1V - chlorine ppm	2V - chlorine ppm	1V - copper ppm	2V - copper ppm
Bay	0.0	0.6	0.00	0.00
Delaware	0.0	0.0	0.00	0.25
Hollywood	0.0	0.0	0.00	0.00
Merced	0.0	0.0	0.00	0.00
Woodrow	0.0	0.0	0.00	0.00

	1V - phenols ppm	2V - phenols ppm	1V - ammonia nitrogen ppm	2V - ammonia nitrogen ppm
Bay	0.0	0.0	0.00	0.00
Delaware	0.0	0.0	0.00	0.00
Hollywood	0.0	0.0	0.00	0.00
Merced	0.0	0.0	0.00	3.00
Woodrow	0.0	0.0	0.00	0.00

1V = first visit
2V = second visit

Urban Watch Monitoring Frequency Values July-October 2001

Summary Table 3

	1V - Presence of flow	2V - Presence of flow	1V - Copper ppm	2V - Copper ppm
Bay	6 of 6	5 of 5	0 of 5	0 of 5
Delaware	10 of 10	9 of 9	0 of 10	1 of 9
Hollywood	5 of 5	4 of 4	0 of 4	0 of 4
Merced	11 of 11	11 of 11	0 of 11	0 of 10
Woodrow	11 of 11	10 of 10	0 of 10	0 of 10

	1V - Chlorine ppm	2V - Chlorine ppm	1V - Phenols ppm	2V - Phenols ppm
Bay	0 of 4	0 of 5	0 of 4	0 of 5
Delaware	0 of 10	0 of 9	0 of 10	0 of 9
Hollywood	0 of 4	0 of 4	0 of 4	0 of 4
Merced	0 of 11	0 of 11	0 of 11	0 of 11
Woodrow	0 of 10	0 of 10	0 of 11	0 of 10

	1V - Detergent ppm	2V - Setergent ppm	1V - Ammonia nitrogen ppm	2V - Ammonia nitrogen ppm
Bay	0 of 5	0 of 5	0 of 5	0 of 5
Delaware	0 of 10	0 of 9	0 of 10	0 of 9
Hollywood	0 of 4	0 of 4	0 of 4	0 of 4
Merced	0 of 11	1 of 11	0 of 11	2 of 11
Woodrow	0 of 11	0 of 10	0 of 10	0 of 10

	1V - Conductivity	2V - Conductivity	1V - Turbidity (>Low)	2V - Turbidity (>Low)
Bay	0 of 6	0 of 4	0 of 6	0 of 5
Delaware	0 of 10	0 of 9	0 of 10	0 of 9
Hollywood	0 of 3	0 of 3	0 of 3	0 of 3
Merced	0 of 11	0 of 11	0 of 11	0 of 11
Woodrow	0 of 11	0 of 10	0 of 11	0 of 10
Conductivity "frequency" refers to the number of times over detectable range of meter; 1999µS.			Turbidity visual assessment (Low/Med/High)	

1V = first visit
2V = second visit

Example of how to read these values: 4 of 9. Of the 9 first visits to Site X, detergents were detected 4 times.

Urban Watch Monitoring Frequency Values June-October 2001

Summary Table 4

	1V - Trash	2V - Trash	1V - Sewage	2V - Sewage
Bay	1 of 6	1 of 5	0 of 6	0 of 5
Delaware	7 of 10	3 of 9	1 of 10	0 of 9
Hollywood	2 of 5	0 of 4	0 of 5	0 of 4
Merced	10 of 11	8 of 11	0 of 11	0 of 11
Woodrow	5 of 11	5 of 10	0 of 11	0 of 10

	1V - Oil Sheen	2V - Oil Sheen	1V - Surface Scum	2V - Surface Scum
Bay	0 of 6	0 of 5	0 of 6	0 of 5
Delaware	0 of 10	1 of 9	4 of 10	1 of 9
Hollywood	0 of 5	0 of 4	0 of 5	0 of 4
Merced	0 of 11	0 of 11	1 of 11	2 of 11
Woodrow	0 of 11	0 of 10	2 of 11	0 of 10

	1V - Odor	2V - Odor	1V - Color	2V - Color
Bay	0 of 6	0 of 4	0 of 6	0 of 5
Delaware	0 of 10	0 of 9	0 of 10	0 of 9
Hollywood	0 of 3	0 of 3	0 of 3	0 of 3
Merced	0 of 11	0 of 11	0 of 11	0 of 11
Woodrow	0 of 11	0 of 10	0 of 11	0 of 10

1V = first visit
2V = second visit

Example of how to read these values: 4 of 9. Of the 9 visits to Site X, trash was found 4 times.