

FIELD DATA SHEET 2017

Sample Date: 7/11/17

Sampler(s): GH rER

Current Weather Conditions: Overcast, Variable Wind
(T=60 Post storm on 7/8)

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	957	22.7	7.18	8.11	2.08 7/11/17	0	0	0	None	
RW1	Waterhouse	1011	21.9	7.36	9.19	2.52	0	0	0	↓	
RW2	Saranac St.	1024	22.5	7.59	9.08	2.73	0	0	0	↓	
RW3	CA Footbridge	1036	22.5	7.48	8.98	2.46	4-C. Geese	0	0	↓	River elev. above SSO outlet elev.
RW4	Scomo Ck.	1109	22.2	7.14	2.60	0.95	0	0	0	↓	
RW5	Municipal Beach	1058	22.5	8.14	9.04	5.84	10-seagulls	0	5	Low	
RW17	Beach Behind McDonald's	1049	22.7	7.60	8.32	3.50	0	0	0	None	

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surge Location/Duration	Precipitation (Inches) and Duration (Time)
7/8	7.39	26.31	002 + 020 2/28-2/56 HRS 2/30-2/48 HRS	0.58" (0700-0900, 1200-1300, 2100-2200)
7/9	6.05	8.27	None -	0.02"
7/10	5.86	8.35	None -	0.02"

FIELD DATA SHEET 2017

Sample Date: 7/18/17

Sampler(s): Ryan Rice / Eric Rock

Current Weather Conditions: Sunny 70's

Wind = 4⁻¹⁰ mph (SSE)

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	1020	25.2	7.20	7.66	2.4	0	0	0	None	
RW1	Waterhouse	1035	24.7	7.53	7.87	2.3	0	0	0	None	
RW2	Saranac St.	1043	24.8	7.67	8.36	2	0	0	1	None	
RW3	CA Footbridge	1055	25.3	7.76	7.51	2.1	0	0	1	None	
RW4	Scomo Ck.	1111	25.9	7.33	5.91	1.6	0	0	0	Mod	
RW5	Municipal Beach	1121	26.3	8.23	8.77	4.4	3/Seagull	0	Approx. 75	None	
RW17	Beach Behind McDonald's	1103	25.5	8.00	8.62	3.8	1/seagull	0	1	Low	

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration	Precipitation (Inches) and Duration (Time)
7/15	4.93	7.13	NONE	0.05 inches (1000-1200)
7/16	4.88	14.72	↓	0.09 inches (1000-1200) (2200-2400)
7/17	5.28	9.03	↓	0.34 inches (1000-1400)

9th
7/24/17

FIELD DATA SHEET 2017

Sample Date: 7/21/17

Sampler(s): Ryan Rice / Eric Roek

Current Weather Conditions: Sunny 70's

WIND = 5/12 mph (SSE)

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	9:08	24.4	7.26	7.65	2.7	0	0	0	None	
RW1	Waterhouse	9:13	24.8	7.45	8.92	1.7	0	0	0	None	
RW2	Saranac St.	9:27	24.5	7.53	8.90	2.4	0	0	0	None	
RW3	CA Footbridge	9:40	25.0	7.73	9.06	2.1	0	0	2	None	
RW4	Scomo Ck.	9:59	25.0	7.17	4.31	1	0	0	0	Low	
RW5	Municipal Beach	10:16	24.9	8.16	8.52	2.9	2/Seagulls	0	20	None	
RW17	Beach Behind McDonald's	10:16	23.7	7.75	9.66	1.70	0	0	1	Mod	

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration	Precipitation (Inches) and Duration (Time)
7/18	4.91	11.26		0"
7/19	4.84	9.48		0"
7/20	5.47	30.93	002-1M1070 1257-1329 1300-1330	0.49" @ WPCP (Around 1200-1230), WPCP High Flow (1258-1326)

gri
7/24/17

not on NOAA website (airport location)

FIELD DATA SHEET 2017

Sample Date: 7/22/17Sampler(s): Ryan RiceCurrent Weather Conditions: Partly Cloudy 70's WIND 3.5 mph, SW

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam										
RW1	Waterhouse										
RW2	Saranac St.										
RW3	CA Footbridge										
RW4	Scomo Ck.										
RW5	Municipal Beach	841	22.6	7.87	4.18	1.0	1/seagull	0	4	low	
RW17	Beach Behind McDonald's										

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration	Precipitation (Inches) and Duration (Time)
7/21/2017	4.67	6.49	NONE NONE	N/A - see previous data sheets - gth 7/24/17

FIELD DATA SHEET 2017

Sample Date: 7/27/17Sampler(s): RR/EPCurrent Weather Conditions: Overcast 60s, WIND=S 4-5 mph

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
✓ RW0	Imperial Dam	839	21.0	7.66	10.23	2.41	0	0	0	None	
✓ RW1	Waterhouse	851	20.8	7.19	9.70	2.37	0	0	0	None	
✓ RW2	Saranac St.	900	20.8	7.23	9.77	2.29	0	0	0	None	1 Cat
RW3	CA Footbridge	9:10	20.8	7.07	10.10	2.05	0	0	0	None	
✓ RW4	Scomo Ck.	9:33	21.4	7.56	9.10	4.54	0	0	0	low	
✓ RW5	Municipal Beach	9:41	22.9	7.66	9.3	2.61	5/seagulls	0	0	low	strong S wind
✓ RW17	Beach Behind McDonald's	9:22	22.4	7.42	10.02	2.97	2/seagulls	0	0	low	↓

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration		Precipitation (Inches) and Duration (Time) ^{Approx.}	
7/24	6.15 ✓	11.92	None	None	0.52"	(0700-1600 & 2000-2200)
7/25	5.46 ✓	10.67	↓	↓	0.32"	(0450-0800)
7/26	5.29	8.74	↓	↓	0"	

FIELD DATA SHEET 2017

Sample Date: 8/2/2017
 Sampler(s): Ryan Rice / Eric Rock
 Current Weather Conditions: Sunny 76's, Wind = S 35-5 mph

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	0917	23.8	6.66	8.48	2.10	0	0	0	low	
RW1	Waterhouse	0928	23.8	6.85	9.55	2.91	0	0	0	None	
RW2	Saranac St.	0935	24.1	7.12	9.07	2.63	0	0	3	low	
RW3	CA Footbridge	0946	24.2	7.20	9.45	2.51	0 / Dark Seagull	0	0	low None	
RW17 RW4	McDonalds Scoma Ck.	0955	26.0	7.40	9.29	1.43	2 / Duck & Seagull	0	5	low	
RW5	Municipal Beach	1021	26.6	7.88	9.98	1.51	0	0	Aprox 50	low	
RW4 RW17	Beach Behind McDonald's Scoma Ck.	1014	25.1	7.20	5.02	1.64	0	0	0	Mod	

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration	Precipitation (Inches) and Duration (Time)
7/30	4.14	6.34	None None	0"
7/31	4.83	15.9	↓ ↓	0.01" (0.15" recorded @ WPCP)
8/1	4.24	9.2	↓ ↓	0"

FIELD DATA SHEET 2017

Sample Date: 8/8/17Sampler(s): Ryan Rice Eric RoekCurrent Weather Conditions: Sunny 70's, WIND = E, approx 8 mph

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	9:19	22.2	6.49	8.16	2.23	0	0	0	low	
RW1	Waterhouse	9:36	21.6	7.00	9.52	1.88	0	0	0	None	
RW2	Saranac St.	9:45	21.8	7.42	10.90	3.02 1.88	0	0	3	None	- construction workers.
RW3	CA Footbridge	10:00	22.0	7.61	9.61	3.02	0	0	0	None	
RW4	Scomo Ck.	10:30	23.0	7.30	5.34	1.64	15/10 Seagulls 0 3 Ducks	0	0	Mod	
RW5	Municipal Beach	10:38	25.3	7.98	10.04	1.16	Aprox. 20 Geese ~5 Seagulls	0	15	low	
RW17	Beach Behind McDonald's	10:15	24.2	8.48	9.08	.934	18/Seagulls	0	6	low	

→ RW5 (Duplicate + Field Blank)
 5D Time = 1038 FB Time = 1038

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration		Precipitation (Inches) and Duration (Time)
8/5	3.94	6.3	NONE	NONE	0.04" ✓
8/6	3.75	5.8	NONE	↓	Trace ✓
8/7	5.54	14.6	NONE	↓	0.48" (0700-0800, 1400-1600, 2000-0000)

FIELD DATA SHEET 2017

Sample Date: 8/16/17Sampler(s): ER/JHCurrent Weather Conditions: Overcast, wind = variable ^{gmk} dir. NNW ^(10 mph)T=12 hrs post precip.

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	930 ✓	23.1 ✓	6.95 ✓	8.29 ✓	1.74 ✓	1-duck ✓	0 ✓	0 ✓	NONE ✓	
RW1	Waterhouse	941 ✓	22.3 ✓	7.25 ✓	9.13 ✓	1.49 ✓	0 ✓	0 ✓	0 ✓	↓ ✓	
RW2	Saranac St.	953 ✓	23.3 ✓	7.57 ✓	8.83 ✓	1.93 ✓	0 ✓	0 ✓	0 ✓	↓ ✓	* ✓
RW3	CA Footbridge	1006 ✓	23.3 ✓	7.71 ✓	8.84 ✓	1.80 ✓	0 ✓	0 ✓	0 ✓	↓ ✓	
RW4	Scomo Ck.	1025 ✓	24.3 ✓	7.43 ✓	4.80 ✓	2.63 ✓	0 - seagulls ^{gH} ✓	0 ✓	0 ✓	↓ ✓	Some duckweed ✓
RW5	Municipal Beach	1037 ✓	24.1 ✓	7.77 ✓	9.23 ✓	1.14 ✓	10-seagulls ✓	0 ✓	~30 ✓	↓ ✓	Beach Freshly raked. ✓
RW17	Beach Behind McDonald's	1017 ✓	24.4 ✓	8.05 ✓	9.27 ✓	1.69 ✓	12-seagulls ✓	0 ✓	0 ✓	NONE ✓	

EFF-collected DNA sample @ 845, MOD=7.3 - gH

* Turbidity measurements collected at WPCP laboratory.

* River dredging project has set up concrete barriers along S side of stream which slightly alters flow speed. ✓

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration	Precipitation (Inches) and Duration (Time)
8/13/17	4.24 ✓	6.0 ✓	NONE NONE	Trace ✓
8/14/17	4.22 ✓	6.9 ✓	NONE NONE	0" ✓
8/15/17	4.31 ✓	11.0 ✓	NONE NONE	0.06 (1853-2053) ✓

FIELD DATA SHEET 2017

Sample Date: 8/23/17

Sampler(s): JH + ER

Current Weather Conditions: SUNNY, WIND = WSW 10 mph
(T=17 HR)

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	✓ 1049	✓ 24.0	✓ 6.52	✓ 7.24	✓ 1.87	✓ 0	✓ 0	✓ 0	✓ None	
RW1	Waterhouse	✓ 1102	✓ 23.4	✓ 7.37	✓ 8.23	✓ 1.49	✓ 0	✓ 0	✓ 0	✓ None	
RW2	Saranac St.	✓ 1113	✓ 23.5	✓ 7.75	✓ 8.43	✓ 1.65	✓ 0	✓ 0	✓ 0	✓ none	
RW3	CA Footbridge	✓ 1124	✓ 23.6	✓ 7.72	✓ 8.46	✓ 2.17	✓ 0	✓ 0	✓ 0	✓ none	
RW4	Scomo Ck.	✓ 1143	✓ 25.3	✓ 7.48	✓ 4.92	✓ 3.37	✓ 0	✓ 0	✓ 10	✓ Low	some duckweed
RW5	Municipal Beach	✓ 1155	✓ 26.2	✓ 8.18	✓ 7.59	✓ 2.47	✓ 10-seagulls	✓ 0	✓ 60-70	✓ Moderate	beach freshly raked
RW17	Beach Behind McDonald's	✓ 1135	✓ 25.9	✓ 7.92	✓ 7.87	✓ 2.02	✓ 50-60 Seagulls ✓ 10-ducks	✓ 0	✓ 0	✓ Low	

EFF DNA Sample @ 940 - Approx. 5.2 mg/L * Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration	Precipitation (Inches) and Duration (Time)
✓ 8/20	✓ 4.14	✓ 6.3	✓ None none	✓ Trace
✓ 8/21	✓ 3.57	✓ 5.7	✓ none none	✓ 0"
✓ 8/22	✓ 5.54	✓ 49.2	✓ 002 1704-1709 ✓ 020 1704-1725 ✓ 003 unknown	✓ 0.45" @ Airport, 0.78" @ WPCP (1600-2100 HRS) and WPCP in high flow (1701-1757 HRS)

FIELD DATA SHEET 2017

Sample Date: 8/24/17

Sampler(s): Ryan Rice / Eric Rack

Current Weather Conditions: Partly Cloudy

WIND = CALM

T = 41 HRS POST EVENT

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	8:30	21.9	7.40	9.42	1.67	0	0	0	None	
RW1	Waterhouse	8:42	21.5	7.28	9.93	1.66	0	0	0	None	
RW2	Saranac St.	8:51	21.6	7.57	9.98	1.74	0	0	0	None	
RW3	CA Footbridge	9:09	21.6	7.71	10.21	2.74	0	1	1	None	
RW4	Scomo Ck.	9:31	24.0	7.51	4.72	2.95	0	0	0	Mod	
RW5	Municipal Beach	9:41	23.1	8.14	9.28	0.931	0	0	2	low	
RW17	Beach Behind McDonald's	9:19	23.2	7.85	9.03	0.865	9 / Geese 20 Seagulls	0	0	low	

EFF DNA SAMPLE @ 955 ✓

MGD = 6.16 ✓

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration	Precipitation (Inches) and Duration (Time)
8/21				See previous data sheet.
8/22				See previous data sheet.
8/23	4.67	7.59	NONE NONE	0"

FIELD DATA SHEET 2017

Sample Date: 8/25/17 ✓Sampler(s): GH ✓Current Weather Conditions: SUNNY ✓ WIND=CALM ✓

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam										
RW1	Waterhouse										
RW2	Saranac St.										
RW3	CA Footbridge										
RW4	Scomo Ck.										
<u>RW5</u>	Municipal Beach	9:25	23.1	7.42	8.35	0.754	10 - Seagulls ✓ 2 - Crows ✓	0 ✓	2 ✓	moderate ✓	Fresh raked beach ✓
RW17	Beach Behind McDonald's										

RW5 only sampled as follow up to wet weather event on 8/22. T=65 HRS past event

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration	Precipitation (Inches) and Duration (Time)
8/22				→ see previous data sheet
8/23				→ see previous data sheet
8/24	4.10 ✓	7.07 ✓	NONE ✓ NONE ✓	0" ✓

FIELD DATA SHEET 2017

Sample Date: 8/30/2017

Sampler(s): Ryan Rice / Eric Rock

Current Weather Conditions: Sunny 60's

WIND = East, 4.6 mph

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	824 ✓	20.2 ✓	7.45 ✓	9.54 ✓	5.89 ✓	0 ✓	0 ✓	0 ✓	low ✓	
RW1	Waterhouse	838 ✓	17.8 ✓	7.61 ✓	10.70 ✓	1.35 ✓	0 ✓	0 ✓	0 ✓	None ✓	
RW2	Saranac St.	842 ✓	19.9 ✓	7.60 ✓	10.65 ✓	1.79 ✓	0 ✓	0 ✓	2 ✓	low ✓	
RW3	CA Footbridge	900 ✓	20.2 ✓	7.93 ✓	11.01 ✓	1.38 ✓	0 ✓	0 ✓	0 ✓	None ✓	
RW17 RW4	Med's Scone Ck.	915 ✓	21.4 ✓	8.61 ✓	11.05 ✓	7.04 ✓	~50 Seagulls, 3 Crows 2 Snow geese	0 ✓	0 ✓	low ✓	
RW5	Municipal Beach	943 ✓	22.7 ✓	9.29 ✓	9.14 ✓	7.40 ✓	5/Seagull	0 ✓	3 ✓	None ✓	
RW4 RW17	Beach Behind McDonald's	9:30 ✓	22.0 ✓	7.72 ✓	6.81 ✓	2.38 ✓	0 ✓	0 ✓	0 ✓	Mod ✓	

EFFLUENT TIME = 1022 ✓ Approx 4.2 MGD

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration	Precipitation (Inches) and Duration (Time)
8/27	3.89 ✓	6.21 ✓	NONE NONE	0" ✓
8/28	3.91 ✓	6.45 ✓	NONE NONE	0" ✓
8/29	3.82 ✓	8.72 ✓	NONE NONE	0" ✓

FIELD DATA SHEET 2017

Sample Date: 9/6/17Sampler(s): ER/RRCurrent Weather Conditions: Rain Showers 603 - Wind=SSE ~5Mph

Location	Desc	Time	Temp °C	pH	DO mg/L	Turbidity (ntu)*	Approx # birds/type	# dogs	# people	Algae Present (none, low, mod, high)	Notes:
RW0	Imperial Dam	0921	18.0	7.43	10.78	2.75	0	0	1	low	
RW1	Waterhouse	0933	17.7	7.41	12.13	1.78	0	0	0	None	
RW2	Saranac St.	0941	17.8	7.72	12.22	2.16	0	0	0	low	
RW3	CA Footbridge	0958	17.9	7.46	13.49	1.98	0	0	3	low	
RW4	Scomo Ck.	1019	19.4	7.48	13.61 13.62	3.34	0	0	0	Mod	
RW5	Municipal Beach	1028	19.3	7.46	12.76	1.11	~10 Seagulls ~10 cormorants	0	0	None	
RW17	Beach Behind McDonald's	1008	19.2	7.78	13.53	1.31	~20 Seagulls	0	0	low	

EFF Time = 1134 Approx 6.6 MGD

* Turbidity measurements collected at WPCP laboratory.

Data - Prior 72-Hours:

Date	WPCP Ave. Flow (MGD)	WPCP Max. Flow (MGD)	CSO Surcharge Location/Duration		Precipitation (Inches) and Duration (Time)	
9/3	6.29	19.71	None	None	1.27" → (0500-2053-2100)	WPCP high flow (0924-0946)
9/4	4.11	6.33	None	None	T	
9/5	5.62	17.74	None	None	0.53" → (0100-0400, 1000-1700)	WPCP high Flow (1611-1624)

T=24 hrs