

Camarillo

Station: MO-CAM (Camarillo-1)

Waterbody: Camarillo Hills Drain (tributary to

Revolon Slough)

Location: Daily Rd. overcrossing (34°13'10.40"N,

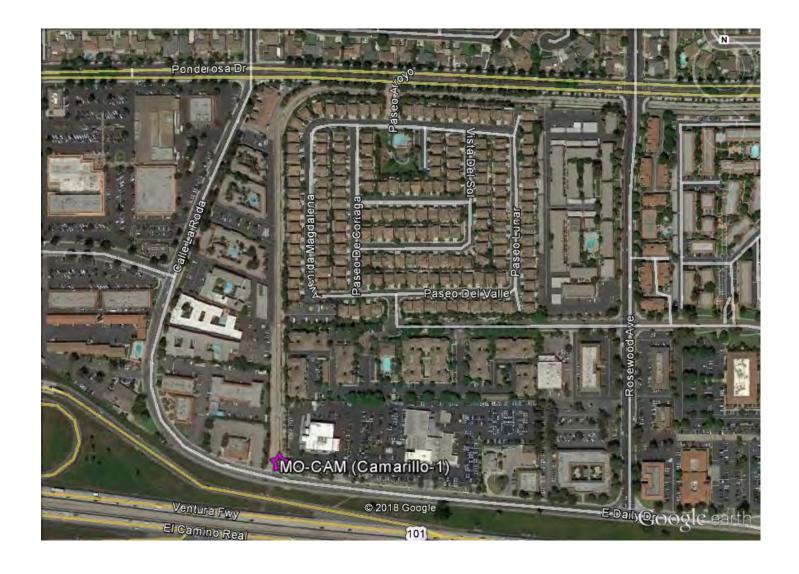
119° 3'58.00"W)

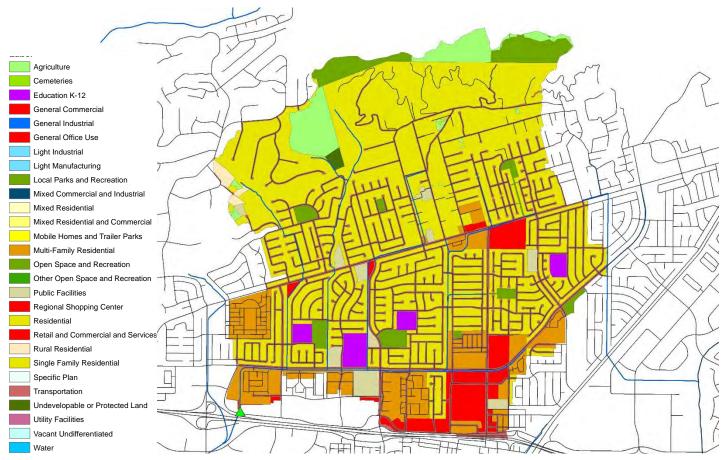
Known Issues: None

Dry Season Flow: Low flow typically present year-

round in dry weather due to urban runoff.







Entire City		
Land Use	Acres	% of Total Watershed
Agriculture	1358.6	10.7%
Education K-12	202.0	1.6%
General Office Use	73.8	0.6%
Light Industrial	950.1	7.5%
Local Parks and Recreation	230.4	1.8%
Mixed Commercial and Industrial	7.2	0.1%
Mobile Homes and Trailer Parks	137.4	1.1%
Multi-Family Residential	1521.5	12.0%
Open Space and Recreation	3.0	0.02%
Public Facilities	454.7	3.6%
Retail and Commercial and Services	479.4	3.8%
Rural Residential	18.9	0.1%
Single Family Residential	3814.3	30.2%
Transportation	2581.6	20.4%
Undevelopable or Protected Land	461.8	3.7%
Utility Facilities	353.5	2.8%
Totals	12648.2	100.0%

Sciected Subwatershed			
Land Use	Acres	% of Total Watershed	
Agriculture	109.8	3.9%	
Education K-12	47.6	1.7%	
General Office Use	9.4	0.3%	
Local Parks and Recreation	48.9	1.7%	
Multi-Family Residential	272.9	9.6%	
Open Space and Recreation	74.5	2.6%	
Public Facilities	58.2	2.1%	
Retail and Commercial and Services	118.3	4.2%	
Rural Residential	12.1	0.4%	
Single Family Residential	1598.2	56.5%	
Transportation	468.4	16.5%	
Undevelopable or Protected Land	6.4	0.2%	
Utility Facilities	6.0	0.2%	
Totals	2830.7	100.0%	

Fillmore

Station: MO-FIL (Fillmore-1)

Waterbody: North Fillmore Drain (tributary to

Sespe Creek)

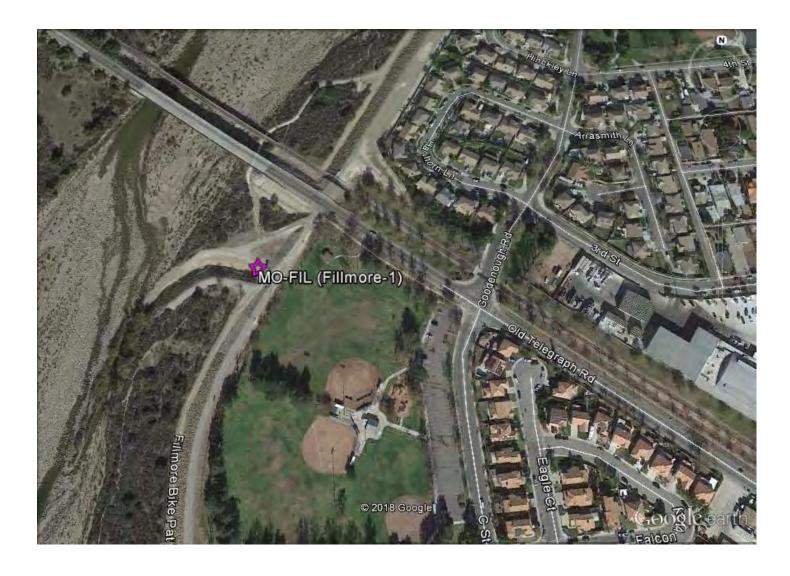
Location: 75 yds. southwest of Old Telegraph Rd.

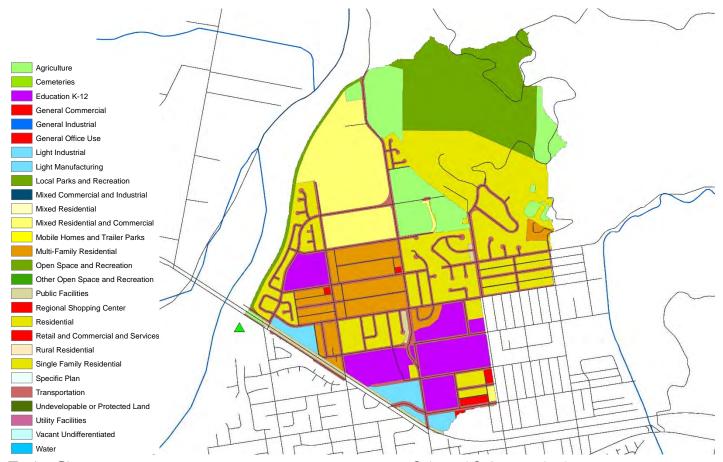
(34°24'16.70"N, 118°55'50.80"W)

Known Issues: Sediment build up around intake **Dry Season Flow Potential:** Typically year-round

low flow due to urban runoff







Entire City		
Land Use	Acres	% of Total Watershed
Agriculture	140.9	6.7%
Education K-12	81.9	3.9%
General Commercial	108.2	5.1%
General Industrial	2.1	0.1%
Light Industrial	132.5	6.3%
Local Parks and Recreation	70.7	3.3%
Mixed Residential and Commercial	120.6	5.7%
Multi-Family Residential	175.7	8.3%
Open Space and Recreation	0.2	0.01%
Transportation	311.5	14.8%
Public Facilities	53.6	2.5%
Single Family Residential	528.4	25.0%
Specific Plan	282.7	13.4%
Undevelopable or Protected Land	102.2	4.8%
Totals	2111.1	100.0%

Land Use	Acres	% of Total Watershed
Agriculture	66.6	9.4%
Education K-12	69.7	9.8%
General Commercial	3.8	0.5%
Light Industrial	17.7	2.5%
Mixed Residential and Commercial	84.2	11.9%
Multi-Family Residential	58.9	8.3%
Open Space and Recreation	111.7	15.7%
Public Facilities	8.7	1.2%
Single Family Residential	197.6	27.8%
Transportation	90.6	12.8%
Totals	709.5	100.0%

Meiners Oaks (Unincorporated)

Station: MO-MEI (Unincorporated-1)

Waterbody: Happy Valley Drain (tributary to Ventura

River)

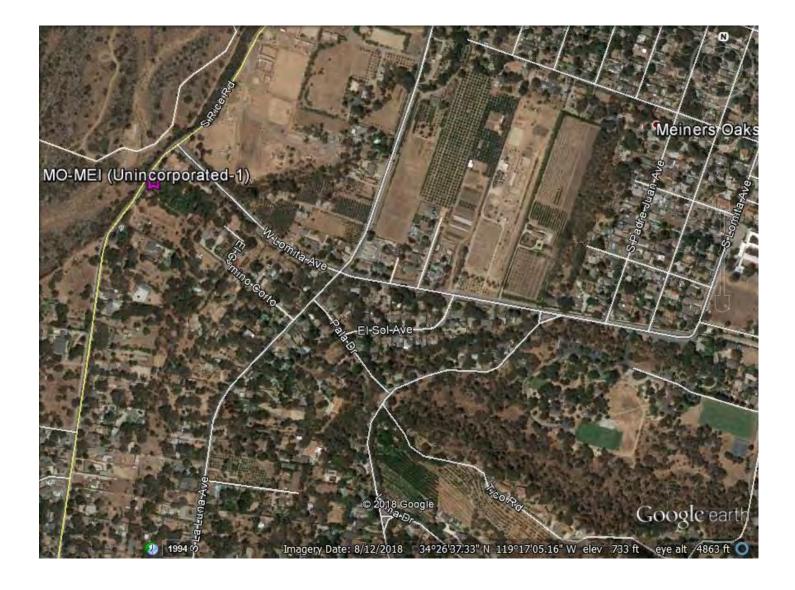
Location: Southwest of Lomita Rd. and Rice Rd. intersection (34°26'43.94"N, 119°17'25.15"W)

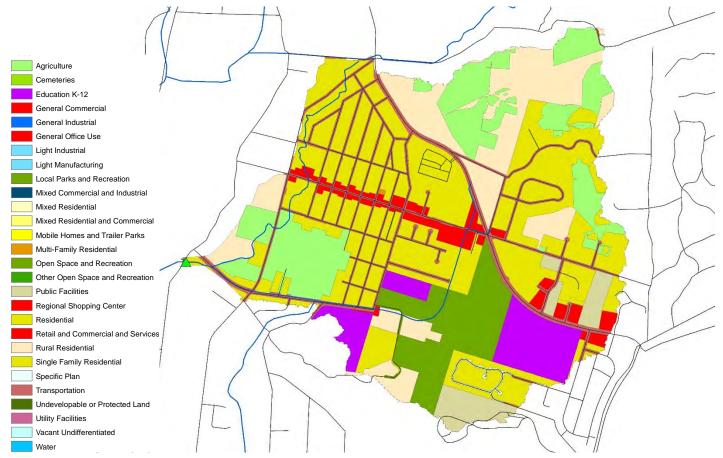
Known Issues: Homeless occasionally present under

bridge at site.

Dry Season Flow Potential: Dries up quickly after storms. Typically dry during dry weather events.







Entire City		
Land Use	Acres	% of Total Watershed
Agriculture	69.2	2.1%
Education K-12	7.4	0.2%
General Commercial	94.2	2.8%
General Industrial	323.3	9.6%
Heavy Industrial	113.1	3.4%
Multi-Family Residential	35.0	1.0%
Open Space and Recreation	118.2	3.5%
Transportation	498.4	14.9%
Rural Residential	26.8	0.8%
Single Family Residential	2063.7	61.6%
Undevelopable or Protected Land	2.4	0.1%
Totals	3351.6	100.0%

Land Use	Acres	% of Total Watershed
Agriculture	140.3	14.8%
Education K-12	60.0	6.3%
General Commercial	34.6	3.7%
Multi-Family Residential	0.2	0.0%
Open Space and Recreation	80.2	8.5%
Public Facilities	33.0	3.5%
Residential	0.9	0.1%
Rural Residential	139.6	14.8%
Single Family Residential	367.9	38.9%
Transportation	88.4	9.4%
Totals	945.2	100.0%

Moorpark

Station: MO-MPK (Moorpark-1)

Waterbody: Walnut Canyon (tributary to Arroyo

Simi)

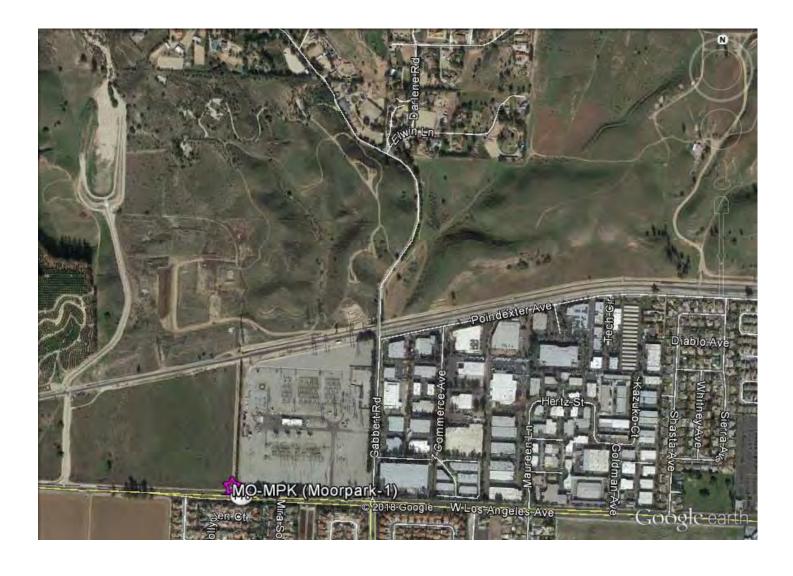
Location: North side of SR 118 near southwest corner of So. Cal. Edison property (34°16'44.14"N,

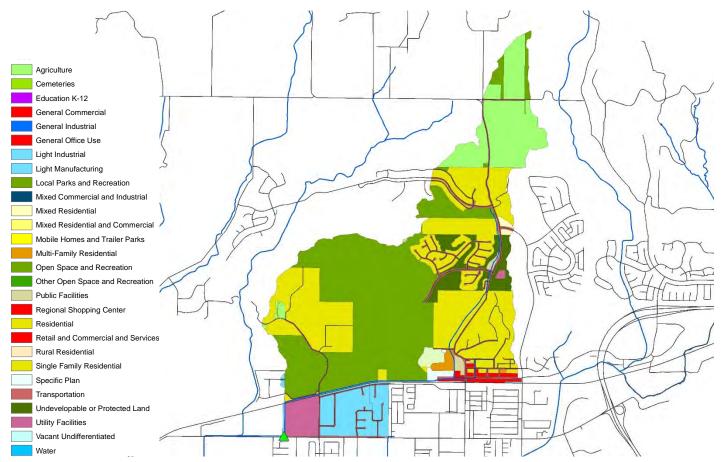
118°54'19.21"W) Known Issues: None

Dry Season Flow Potential: Intermittent year-round

flow due to urban runoff







Entire City Land Use	Acres	% of Total Watershed
Agriculture	81.1	1.0%
Education K-12	263.1	3.3%
General Commercial	158.1	2.0%
General Office Use	3.6	0.05%
Light Industrial	250.4	3.1%
Light Manufacturing	205.3	2.6%
Local Parks and Recreation	128.9	1.6%
Mixed Residential	396.0	5.0%
Mixed Residential and Commercial	450.1	5.6%
Multi-Family Residential	197.0	2.5%
Open Space and Recreation	1836.6	23.0%
Public Facilities	18.3	0.2%
Retail and Commercial and Services	7.3	0.1%
Single Family Residential	2405.6	30.1%
Specific Plan	10.0	0.1%
Transportation	1125.1	14.1%
Undevelopable or Protected Land	219.4	2.7%
Utility Facilities	47.1	0.6%
Water	178.4	2.2%
Totals	7981.6	100.0%

Land Use	Acres	% of Total Watershed
Agriculture	206.2	11.53%
Education K-12	13.1	0.73%
General Commercial	17.8	0.99%
General Office Use	0.5	0.03%
Light Industrial	27.9	1.56%
Light Manufacturing	82.9	4.63%
Mixed Residential	5.4	0.30%
Multi-Family Residential	11.4	0.64%
Open Space and Recreation	629.6	35.20%
Public Facilities	9.3	0.52%
Single Family Residential	561.7	31.40%
Specific Plan	8.0	0.45%
Transportation	96.4	5.39%
Undevelopable or Protected Land	71.4	3.99%
Utility Facilities	47.1	2.64%
Totals	1788.7	100.0%

Ojai

Station: MO-OJA (Ojai-1)

Waterbody: Fox Canyon Barranca (tributary to San

Antonio Creek)

Location: Concrete box channel upstream Ojai Valley Athletic Club and downstream pedestrian walkway

(34°26'41.26"N, 119°14'28.32"W)

Known Issues: Repeated discharges directly upstream of station from Ojai Valley Athletic Club swimming

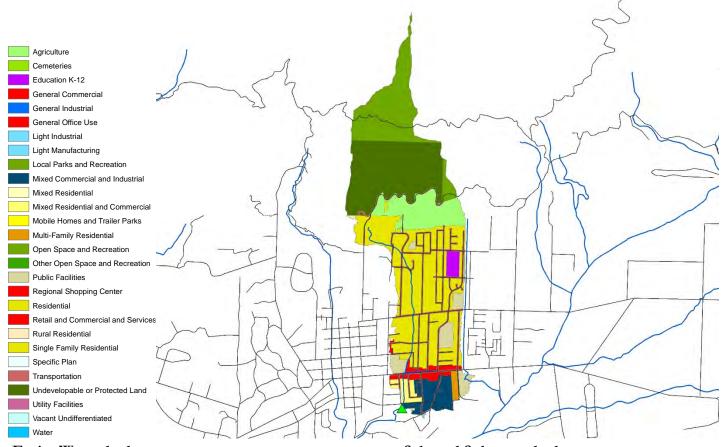
pool.

Dry Season Flow Potential: Frequently dry outside of

wet season storms.







Entire	Watershed
Liiuic	w attisiitu

Land Use	Acres	% of Total Watershed
Agriculture	100.0	3.6%
Education K-12	48.5	1.7%
General Commercial	98.0	3.5%
Light Manufacturing	18.6	0.7%
Mixed Commercial and Industrial	39.7	1.4%
Mixed Residential and Commercial	64.0	2.3%
Multi-Family Residential	9.8	0.4%
Open Space and Recreation	244.9	8.8%
Public Facilities	530.2	19.0%
Rural Residential	0.1	0.0018%
Single Family Residential	1158.3	41.4%
Transportation	273.9	9.8%
Undevelopable or Protected Land	208.6	7.5%
Totals	2794.8	100.0%

Land Use	Acres	% of Total Watershed
Agriculture	69.4	9.38%
Education K-12	9.2	1.25%
General Commercial	15.9	2.15%
Light Manufacturing	0.3	0.04%
Mixed Commercial and Industrial	32.4	4.38%
Mixed Residential and Commercial	11.2	1.52%
Multi-Family Residential	5.1	0.69%
Open Space and Recreation	115	15.54%
Public Facilities	31.7	4.28%
Rural Residential	0.9	0.12%
Single Family Residential	228.1	30.83%
Transportation	65.2	8.81%
Undevelopable or Protected Land	155.4	21.00%
Totals	739.7	100.00%

Oxnard

Station: MO-OXN (Oxnard-1)

Waterbody: El Rio Drain (tributary to Santa Clara

River)

Location: Pedestrian bridge 50 yds. southwest bend of

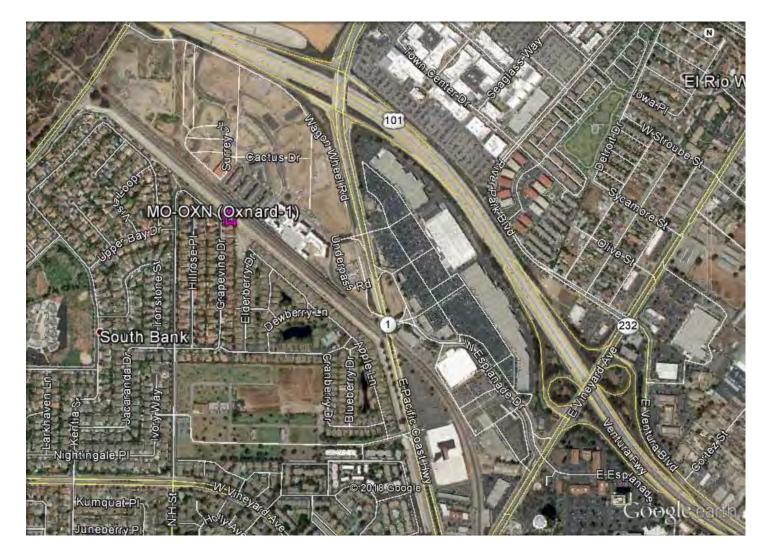
Winchester Dr. (34°14'10.13"N, 119°11'3.88"W)

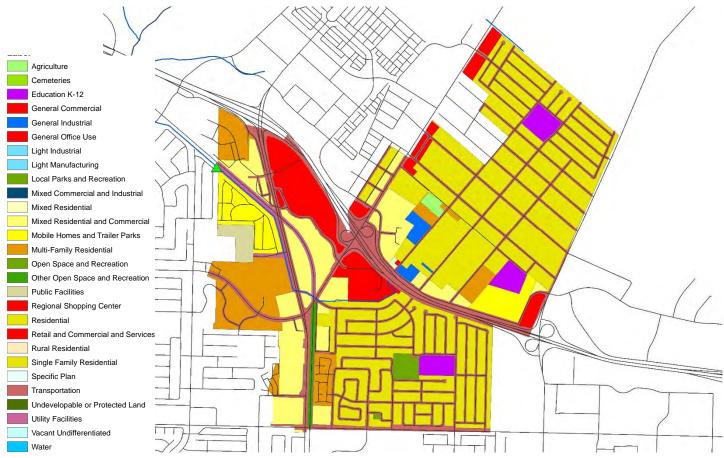
Known Issues: Frequent presence of homeless and

vandals in area.

Dry Season Flow Potential: Intermittent year-round flow due to urban runoff but is typically dry in the dry season.







Entire City	ı	
Land Use	Acres	% of Total Watershed
Agriculture	864.4	5.0%
Education K-12	644.7	3.7%
General Commercial	19.1	0.1%
General Industrial	73.3	0.4%
General Office Use	54.9	0.3%
Heavy Industrial	231.7	1.3%
Light Manufacturing	1555.7	9.0%
Military Installations	0.4	0.0%
Mixed Commercial and Industrial	346.5	2.0%
Mixed Residential and Commercial	814.3	4.7%
Mobile Homes and Trailer Parks	242.7	1.4%
Multi-Family Residential	1446.2	8.3%
Open Space and Recreation	807.3	4.7%
Other Open Space and Recreation	441.7	2.5%
Public Facilities	99.9	0.6%
Regional Shopping Center	339.3	2.0%
Residential	524.3	3.0%
Single Family Residential	3706.4	21.4%
Transportation	3718.5	21.4%
Undevelopable or Protected Land	1000.7	5.8%
Utility Facilities	413.9	2.4%
Totals	17346.1	100.0%

		% of Total
Land Use	Acres	Watershed
Agriculture	3.9	0.3%
Education K-12	28.8	2.3%
General Commercial	14.7	1.2%
General Industrial	9.5	0.8%
General Office Use	23.7	1.9%
Mixed Residential and Commercial	141.3	11.3%
Mobile Homes and Trailer Parks	53.1	4.3%
Multi-Family Residential	103.7	8.3%
Open Space and Recreation	9.0	0.7%
Other Open Space and Recreation	7.2	0.6%
Public Facilities	11.9	1.0%
Regional Shopping Center	52.8	4.2%
Single Family Residential	503.9	40.5%
Transportation	264.7	21.3%
Utility Facilities	17.4	1.4%
Totals	1245.6	100.0%

Port Hueneme

Station: MO-HUE (Port Hueneme-1) **Waterbody:** Hueneme Drain (tributary to

Pacific Ocean)

Location: Pump Station 300 yds. downstream Surfside Dr. (34°8'27.06"N, 119°11'17.72"W)

Known Issues: Water tends to back up at pump station when pumps are off. Salinity varies due

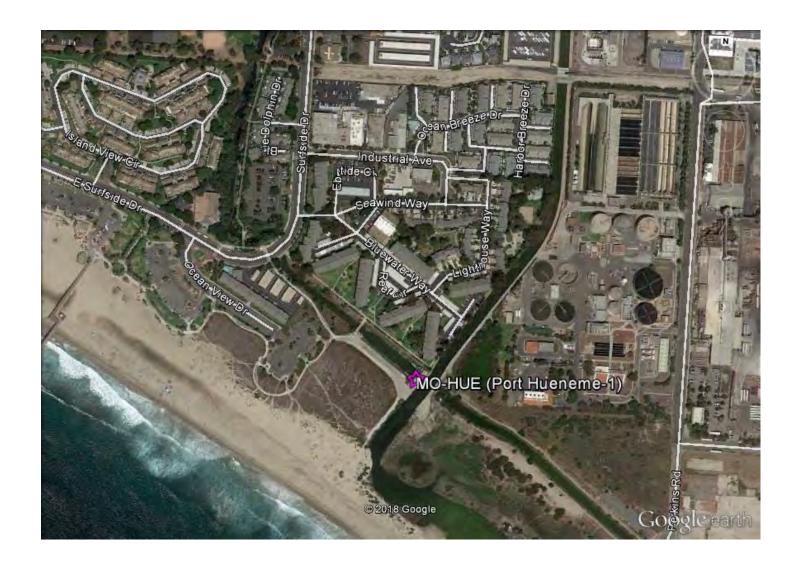
to ocean influence.

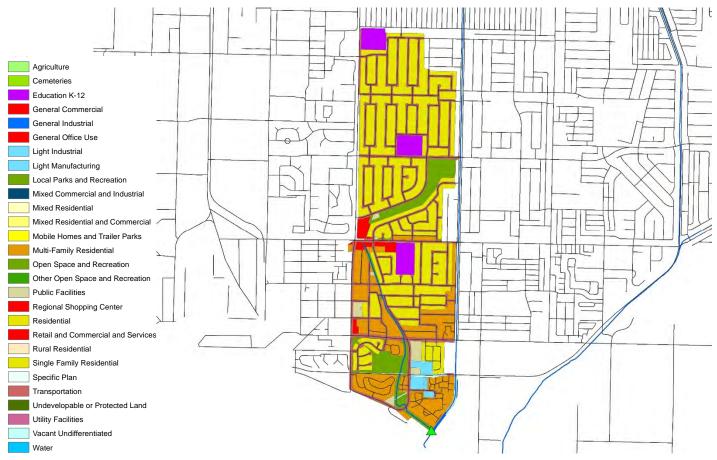
Dry Season Flow Potential: Year-round flow

due to urban runoff and groundwater

contribution







Land Use	Acres	% of Total Watershed
Education K-12	33.4	1.2%
General Commercial	71.6	2.5%
Light Manufacturing	13.4	0.5%
Military Installations	1574.1	54.6%
Mixed Residential and		
Commercial	11.7	0.4%
Multi-Family		
Residential	330.1	11.4%
Open Space and		
Recreation	122.6	4.3%
Other Commercial	1.5	0.1%
Public Facilities	9.5	0.3%
Single Family		
Residential	317.0	11.0%
Transportation	386.4	13.4%
Undevelopable or		
Protected Land	12.4	0.4%
Utility Facilities	0.3	0.01%
Totals	2884.1	100.0%

Science Subwatershed		
Land Use	Acres	% of Total Watershed
Education K-12	27.1	4.5%
General Commercial	9.7	1.6%
General Industrial	1.3	0.2%
Light Manufacturing	8.1	1.3%
Multi-Family Residential	97.1	16.2%
Open Space and		
Recreation	44.6	7.4%
Public Facilities	8.9	1.5%
Single Family Residential	265.3	44.2%
Transportation	132.6	22.1%
Undevelopable or Protected Land	0.0	0.0%
Utility Facilities	0.3	0.1%
Vacant Undifferentiated	5.1	0.8%
Totals	599.9	100.0%

Santa Paula

Station: MO-SPA (Santa Paula-1)

Waterbody: 11th Street Drain (tributary to Santa

Clara River)

Location: Upstream Santa Paula Airport (34°20'54.98"N, 119° 3'20.10"W)

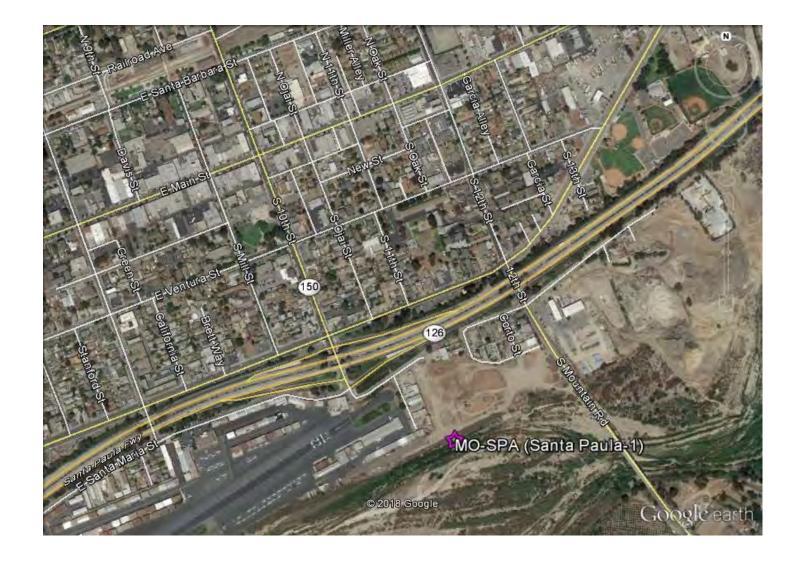
Known Issues: Homeless presence and vandalism

frequent in area.

Dry Season Flow Potential: Typically dry between

storms. Very infrequent dry weather flow.







Entire City		
Land Use	Acres	% of Total Watershed
Agriculture	454.6	12.4%
Education K-12	8.3	0.2%
General Office Use	24.2	0.7%
Light Industrial	145.6	4.0%
Light Manufacturing	80.6	2.2%
Local Parks and Recreation	68.8	1.9%
Mixed Commercial and Industrial	200.1	5.5%
Mixed Residential and Commercial	20.3	0.6%
Mobile Homes and Trailer Parks	82.1	2.2%
Multi-Family Residential	330.6	9.0%
Open Space and Recreation	298.4	8.2%
Public Facilities	159.2	4.4%
Retail and Commercial and Services	144.3	4.0%
Single Family Residential	828.0	22.7%
Specific Plan	211.0	5.8%
Transportation	597.3	16.3%
Totals	3653.5	100.0%

Land Use	Acres	% of Total Watershed
Agriculture	8.0	2.2%
Education K-12	8.3	2.2%
General Office Use	0.8	0.2%
Light Industrial	1.5	0.4%
Local Parks and Recreation	11.0	3.0%
Mixed Commercial and Industrial	18.6	5.0%
Mixed Residential and Commercial	0.9	0.2%
Mobile Homes and Trailer Parks	12.8	3.5%
Multi-Family Residential	71.2	19.3%
Open Space and Recreation	0.6	0.2%
Public Facilities	11.3	3.1%
Retail and Commercial and Services	9.7	2.6%
Single Family Residential	141.9	38.4%
Transportation	72.7	19.7%
Totals	369.2	100.0%

Simi Valley

Station: MO-SIM (Simi Valley-1)

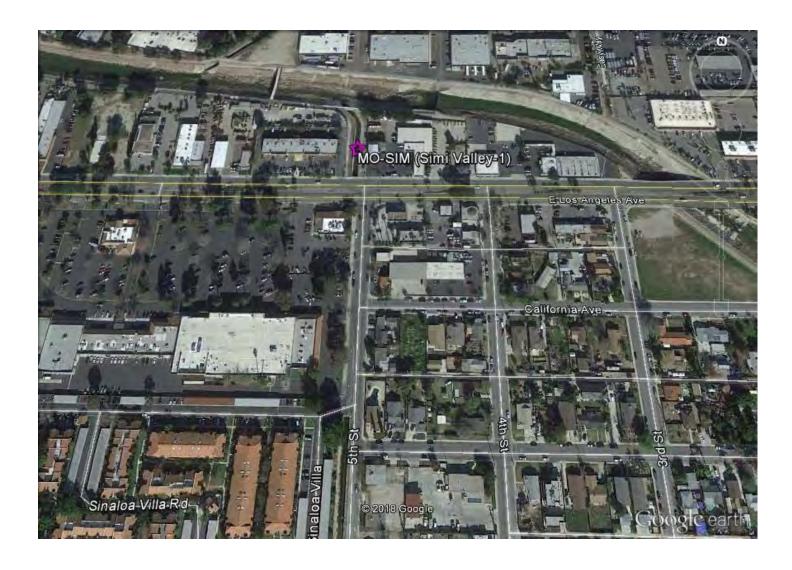
Waterbody: Bus Canyon Drain (tributary to Arroyo

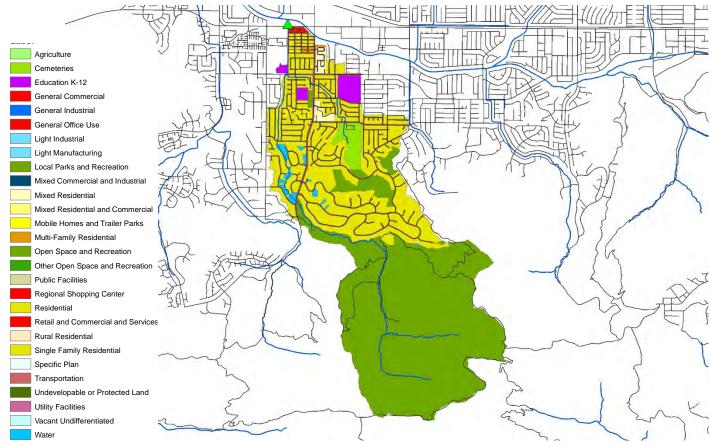
Simi)

Location: North of intersection at 5th St. and Los Angeles Ave. (34°16'19.55"N, 118°47'1.41"W)

Known Issues: Homeless have been known to camp in area. High salinity due to groundwater discharge **Dry Season Flow Potential:** Year-round flow due to urban runoff and/or groundwater discharge upstream







		% of Total
Land Use	Acres	Watershed
Agriculture	134.2	0.5%
Cemeteries	234.0	0.9%
Education College	84.9	0.3%
Education K-12	75.8	0.3%
General Office Use	97.4	0.4%
Golf Courses	856.8	3.2%
Light Industrial	1173.7	4.3%
Local Parks and Recreation	555.2	2.1%
Mixed Residential	987.4	3.6%
Mixed Residential and Commercial	143.6	0.5%
Mobile Homes and Trailer Parks	68.1	0.3%
Multi-Family Residential	550.7	2.0%
Open Space and Recreation	9693.6	35.8%
Other Commercial	39.5	0.1%
Public Facilities	87.9	0.3%
Retail and Commercial and Services	653.6	2.4%
Single Family Residential	7712.5	28.5%
State and National Parks and Recreation	54.5	0.2%
Transportation	3536.0	13.1%
Water	313.2	1.2%
Totals	27052.5	100.0%

Colocida Cos (Villelandia			
Land Use	Acres	% of Total Watershed	
Cemeteries	62.3	2.0%	
Education K-12	59.4	1.9%	
Local Parks and Recreation	5.5	0.2%	
Mixed Residential	32.7	1.0%	
Multi-Family Residential	5.7	0.2%	
Open Space and Recreation	1747.4	55.3%	
Retail and Commercial and Services	5.6	0.2%	
Single Family Residential	967.4	30.6%	
Transportation	239.7	7.6%	
Water	34.6	1.1%	
Totals	3160.2	100.0%	

Thousand Oaks

Station: MO-THO (Thousand Oaks-1)

Waterbody: North Fork Arroyo Conejo (tributary to

Conejo Creek)

Location: Hill Canyon WWTP sampling location R-

1 (34°12'48.03"N, 118°55'17.09"W)

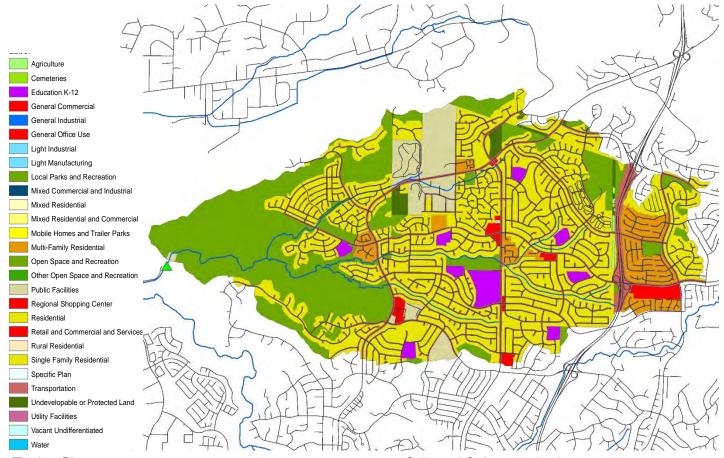
Known Issues: Rare access issues due to locked

gates.

Dry Season Flow Potential: Year-round flow due to urban runoff however site does experience backwater effects from WWTP discharge in very dry weather.







Entire City		
Land Use	Acres	% of Total Watershed
Agriculture	61.1	0.2%
Education K-12	423.0	1.2%
General Commercial	1049.4	3.0%
General Industrial	945.2	2.7%
Local Parks and		
Recreation	11.3	0.03%
Mixed Residential and		
Commercial	254.0	0.7%
Mobile Homes and		
Trailer Parks	144.2	0.4%
Multi-Family Residential	2068.3	5.8%
Open Space and		
Recreation	15007.8	42.3%
Other Open Space and		
Recreation	40.6	0.1%
Public Facilities	518.2	1.5%
Residential	633.8	1.8%
Single Family		
Residential	9531.2	26.9%
Transportation	4041.7	11.4%
Undevelopable or		
Protected Land	725.4	2.0%
Water	30.7	0.1%
Totals	35485.7	100.0%

Land Use	Acres	% of Total Watershed
Agriculture	7.9	0.2%
Education K-12	123.6	2.4%
General Commercial	73.7	1.4%
Local Parks and		
Recreation	3.5	0.1%
Multi-Family Residential	221.0	4.3%
Open Space and		11074
Recreation	1329.0	26.0%
Public Facilities	300.1	5.9%
Residential	8.4	0.2%
Single Family Residential	2175.4	42.6%
Transportation	818.1	16.0%
Undevelopable or		
Protected Land	50.6	1.0%
Totals	5111.4	100.0%

Ventura

Station: MO-VEN (Ventura-1)

Waterbody: Moon Ditch (tributary to Santa Clara

River)

Location: Between Leland St. and US 101, north of

Johnson Dr. (34°14'36.69"N, 119°11'42.06"W)

Known Issues: Wide concrete bottom spreads out

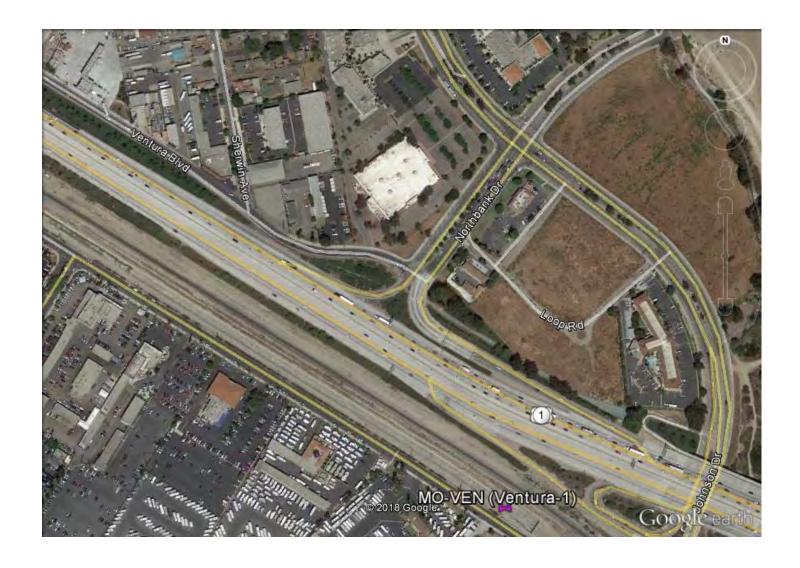
low flows.

Dry Season Flow Potential: Intermittent year-round

flow due to urban runoff and/or groundwater

discharge



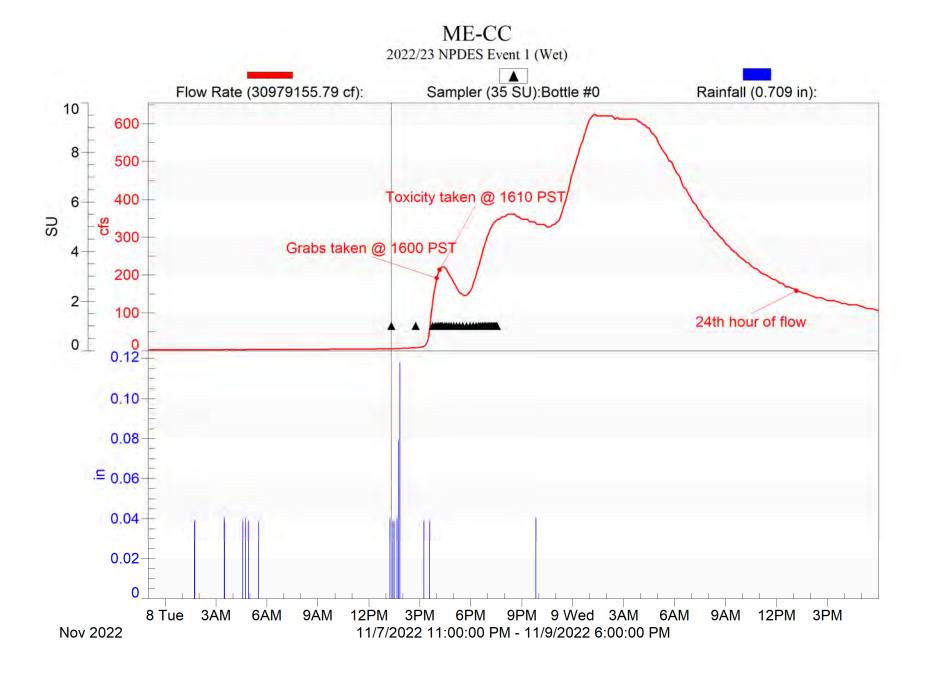


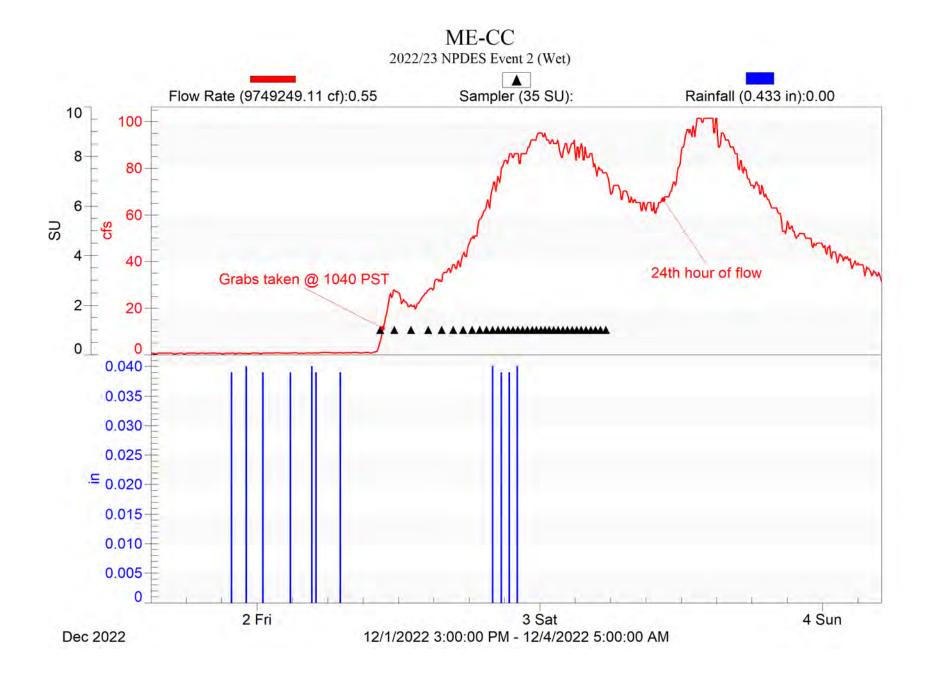


Land Use	Acres	% of Total Watershed
Agriculture	482.9	3.4%
Education K-12	6.8	0.05%
General Industrial	937.7	6.6%
Mixed Residential and Commercial	1447.0	10.2%
Multi-Family Residential	994.7	7.0%
Open Space and Recreation	1432.5	10.1%
Public Facilities/Schools	561.1	3.9%
Rural Residential	0.4	0.0%
Single Family Residential	4806.2	33.8%
Specific Plan	548.9	3.9%
Transportation	2989.6	21.0%
Totals	14207.8	100.0%

Land Use	Acres	% of Total Watershed
Agriculture	6.3	0.8%
Education K-12	6.8	0.9%
General Industrial	94.4	12.5%
Mixed Residential and Commercial	158.2	20.9%
Multi-Family Residential	161.0	21.3%
Open Space and Recreation	1.8	0.2%
Single Family Residential	123.7	16.4%
Transportation	203.1	26.9%
Totals	755.3	100.0%

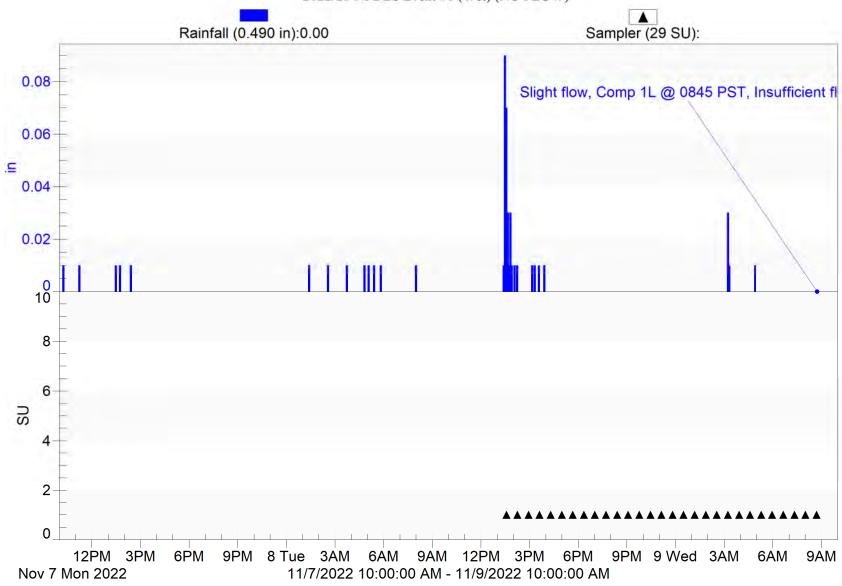
Appendix B. Event Hydrographs



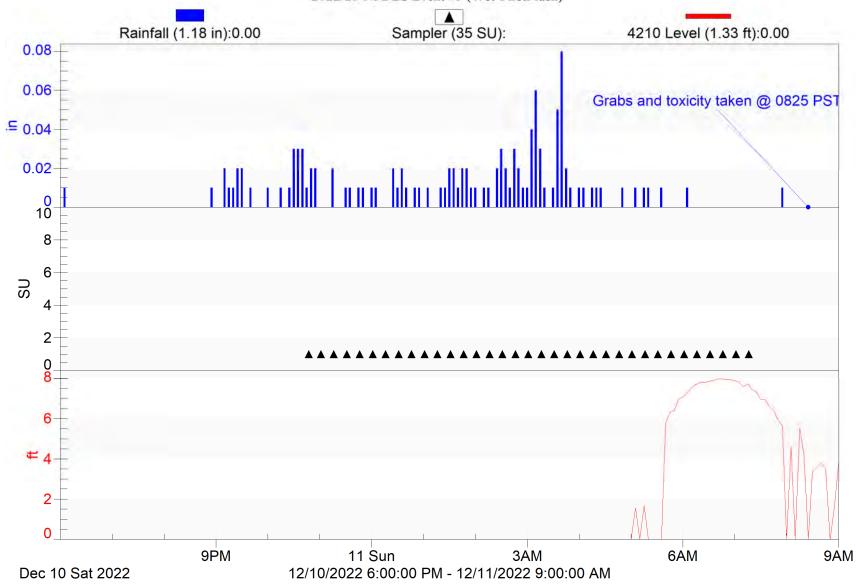


ME-CC 2022/23 NPDES Event 4 (Wet) Sampler (35 SU): Flow Rate (140801563.18 cf):16.82 Rainfall (3.31 in):0.00 10 3000-2500 8 2000 6 S र्ड 1500 24th hour of flow 1000 Grabs taken @ 11:45 PST 2 500 0 0.08 0.07 0.06 0.05 .⊑ 0.04 0.03 0.02 0.01-0 24 Fri 3AM 6AM 12PM 3PM 6PM 9PM 25 Sat 3AM 6AM 9AM 9AM Feb 2023 2/23/2023 10:40:00 PM - 2/25/2023 11:40:00 AM

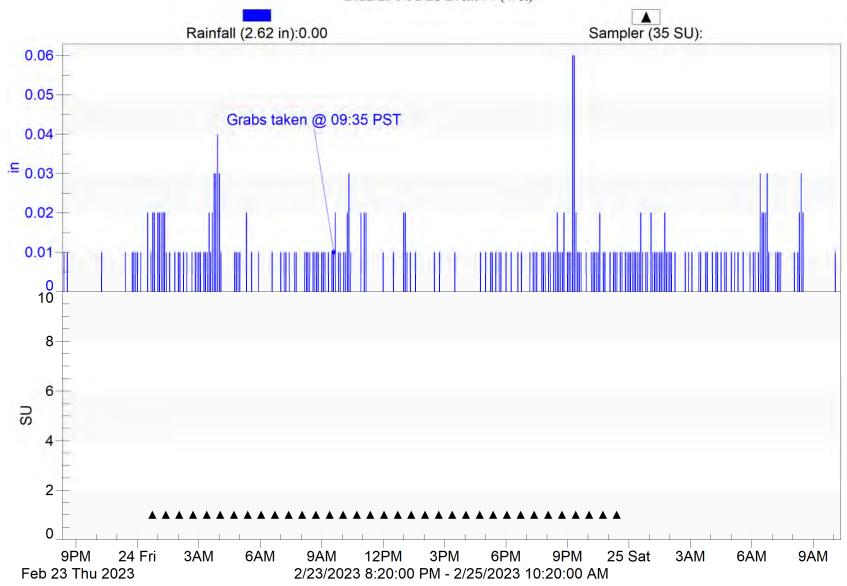
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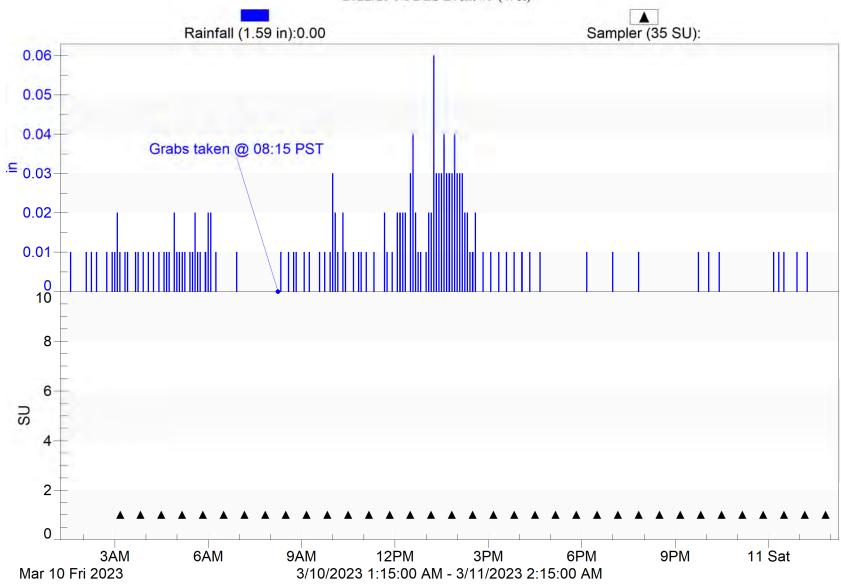
ME-SCR 2022/23 NPDES Event #3 (Wet-FirstFlush)



ME-SCR 2022/23 NPDES Event #4 (Wet)



ME-SCR 2022/23 NPDES Event #5 (Wet)



ME-VR2 2022/23 NPDES Event #1 (Wet) Flow Rate (249648.00 cf):1.47 Sampler (35 SU): Rainfall (0.850 in):0.01 10 Grabs and toxicity taken @ 1650 PST 2.0 8 1.8 6 S 1.6 1.4 2 0.14 0.12 0.10-.⊑ 0.08-0.06 0.04 0.02 12PM 3PM 9PM 9 Wed 3AM 12PM 3PM 6PM 9PM 8 Tue 3AM 6AM 9AM 6PM 6AM Nov 7 Mon 2022 11/7/2022 10:05:00 AM - 11/9/2022 6:05:00 AM

ME-VR2 2022/23 NPDES Event #2 (Wet) Flow Rate (200850.00 cf):1.11 Rainfall (1.55 in):0.00 Sampler (35 SU): 10 2.0 Grabs taken at 0600 PST 8 1.8 6 SU 24th hour of flow 1.4 0-0.020 0.015 .⊑ _{0.010}-0.005 2 Fri 3AM 6AM 9AM 12PM 6PM 9PM 3 Sat 3AM 6AM 3PM

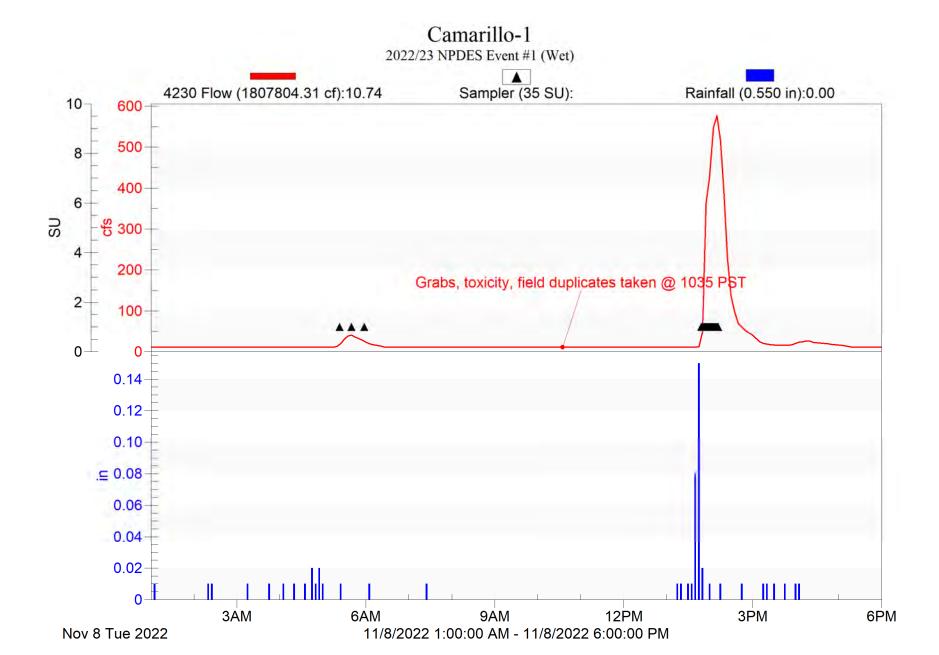
Dec 2022

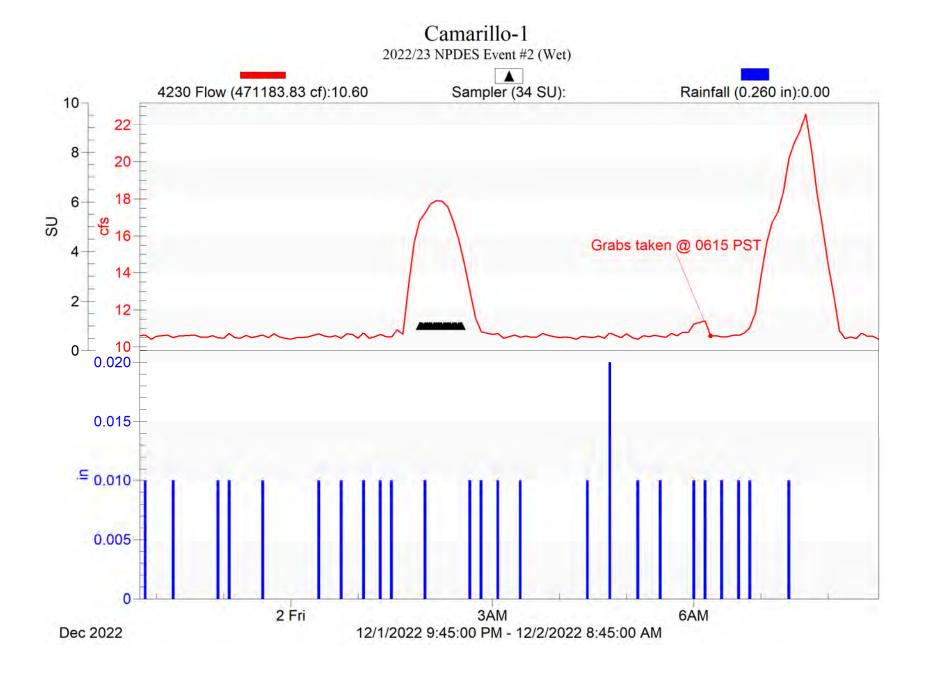
12/1/2022 9:00:00 PM - 12/3/2022 8:00:00 AM

ME-VR2 2022/23 NPDES Event #4 (Wet) Sampler (36 SU): Flow Rate (448135378.40 cf):41.10 Rainfall (3.16 in):0.01 10 16000-14000 8 12000 10000 6 S 8000-6000-Grabs taken @ 10:45 PST 4000 2 2000 0 0.10-0.08 .⊆ 0.06 0.04 0.02 24 Fri 3AM 6AM 9AM 12PM 3PM 9PM 25 Sat 3AM 6PM

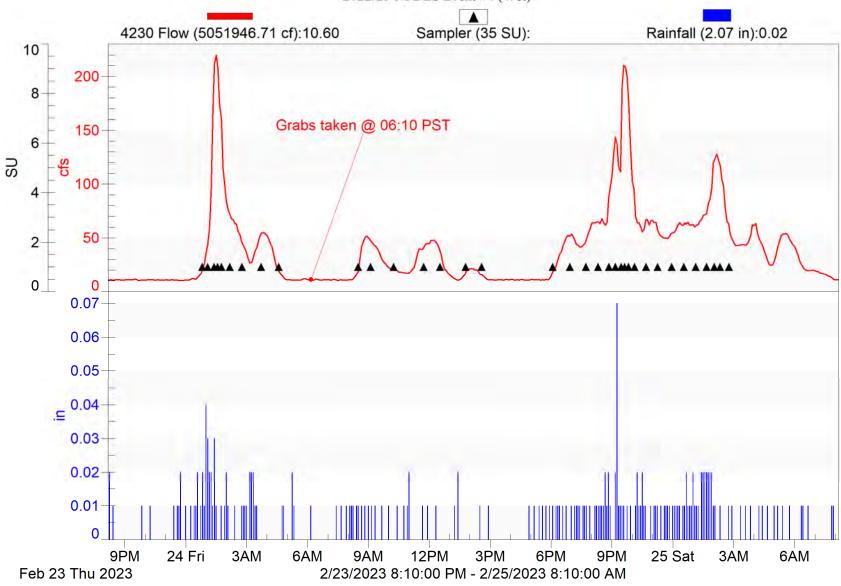
Feb 2023

2/23/2023 10:25:00 PM - 2/25/2023 5:25:00 AM

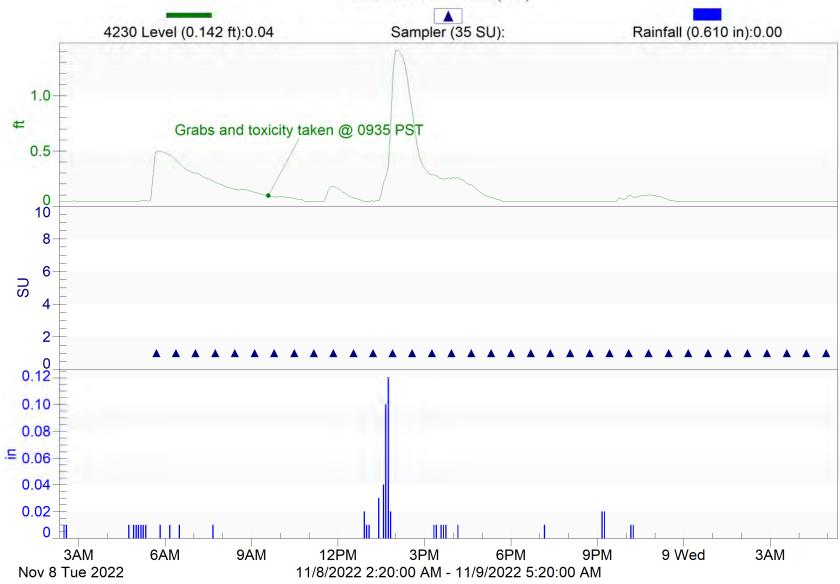


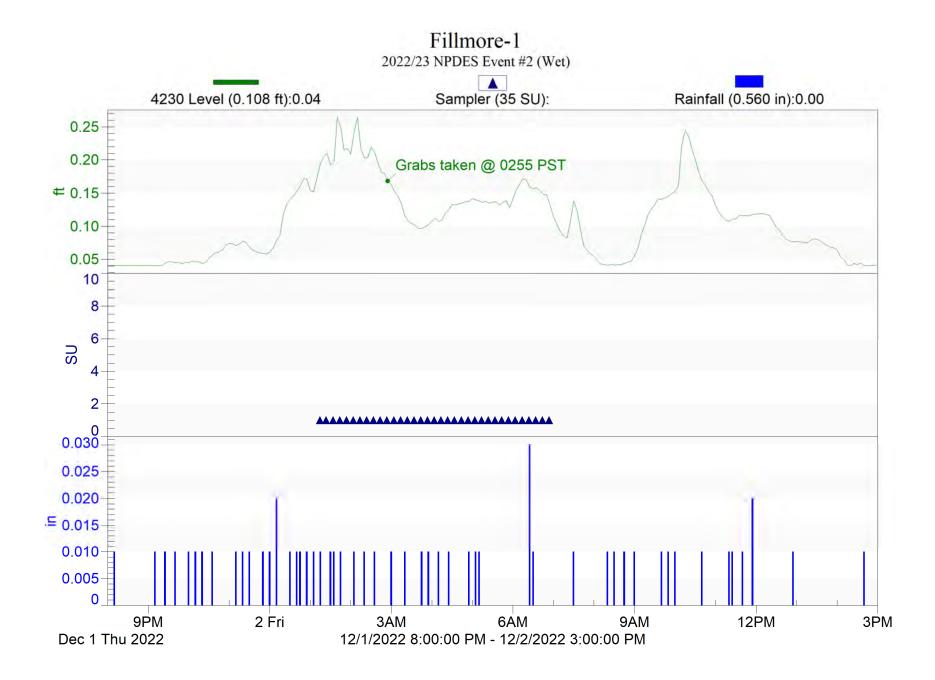


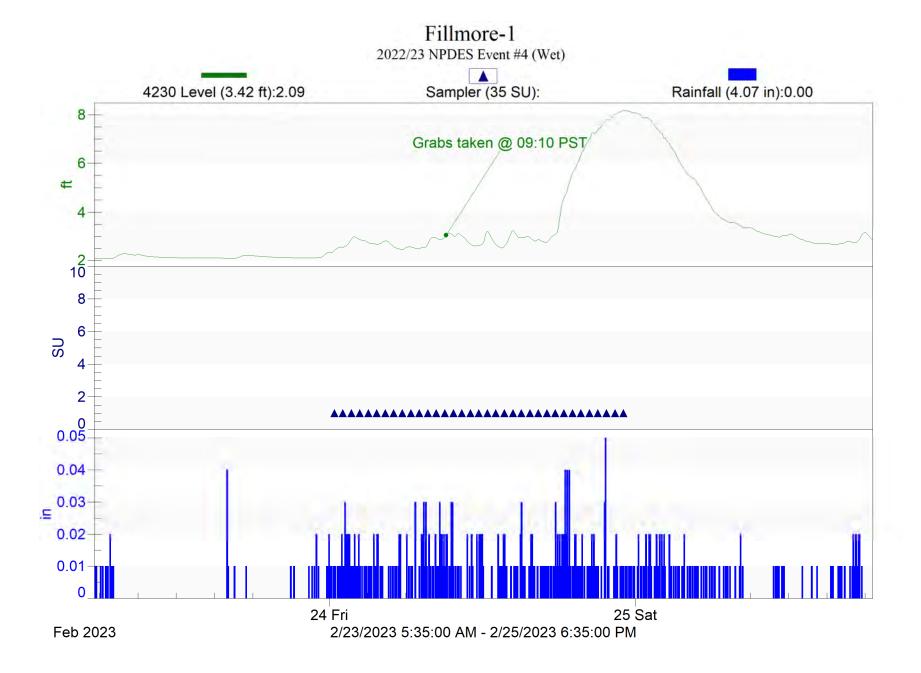




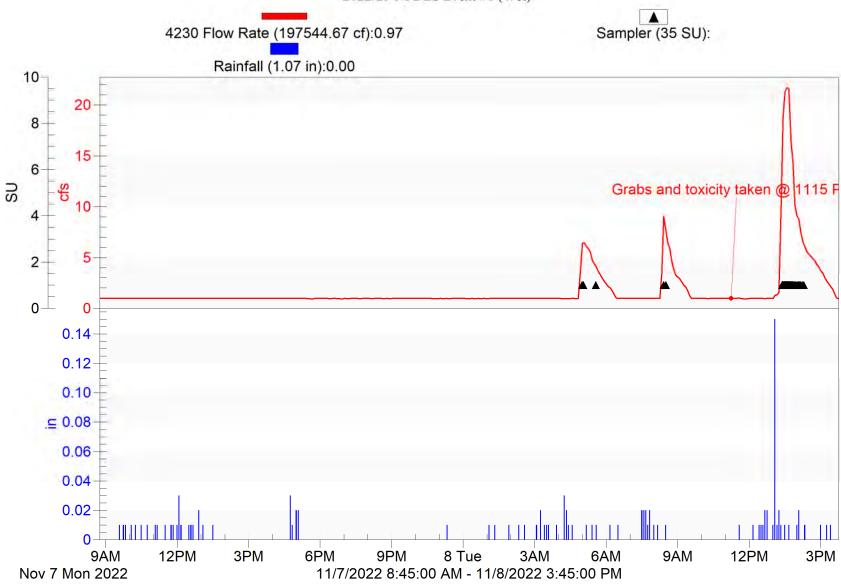
Fillmore-1 2022/23 NPDES Event #1 (Wet)



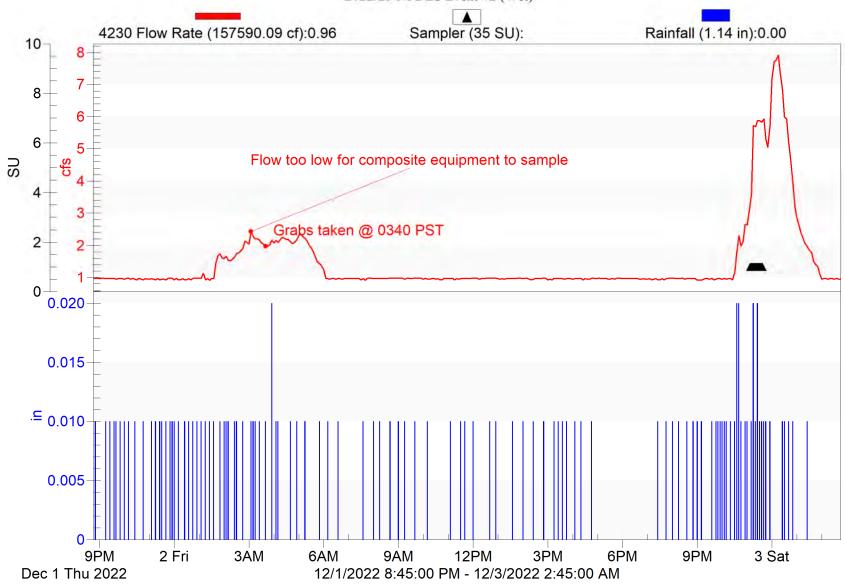




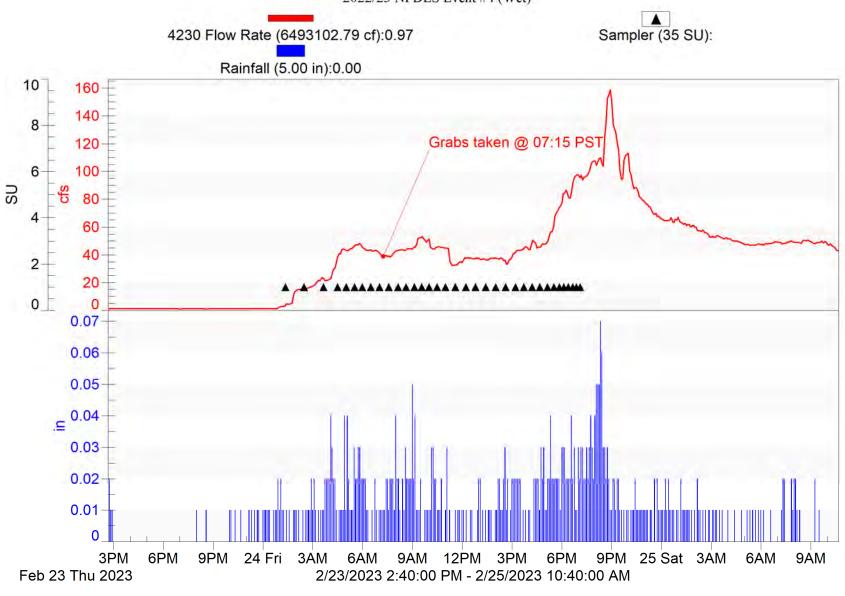
Meiners Oaks-1 2022/23 NPDES Event #1 (Wet)

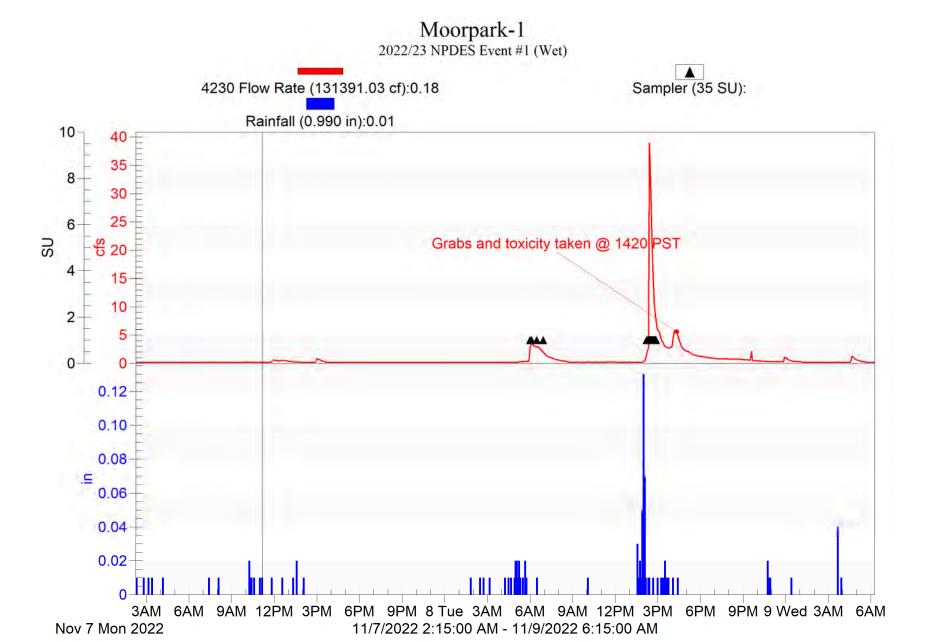


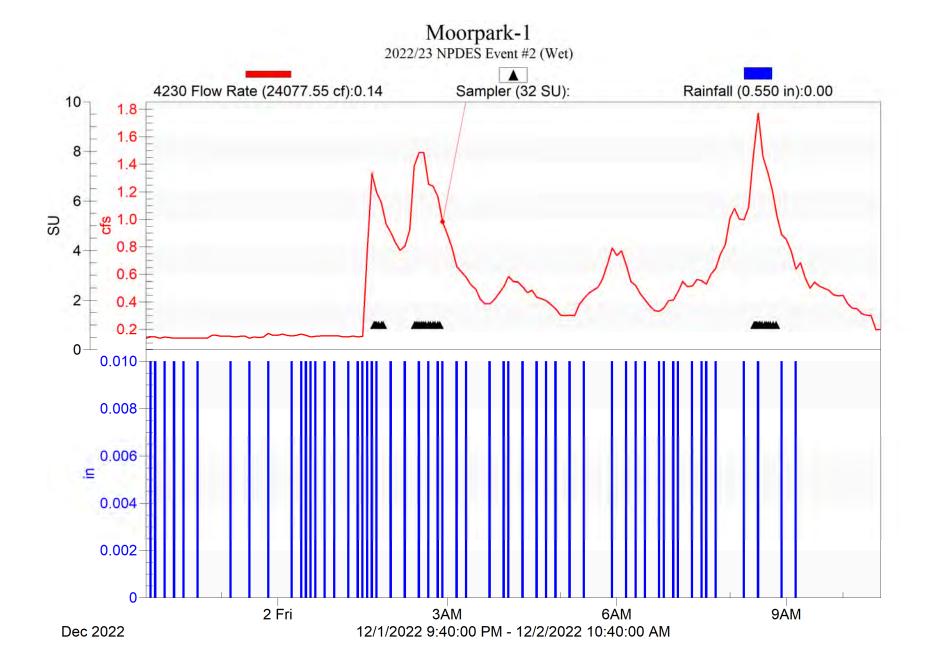
Meiners Oaks-1 2022/23 NPDES Event #2 (Wet)

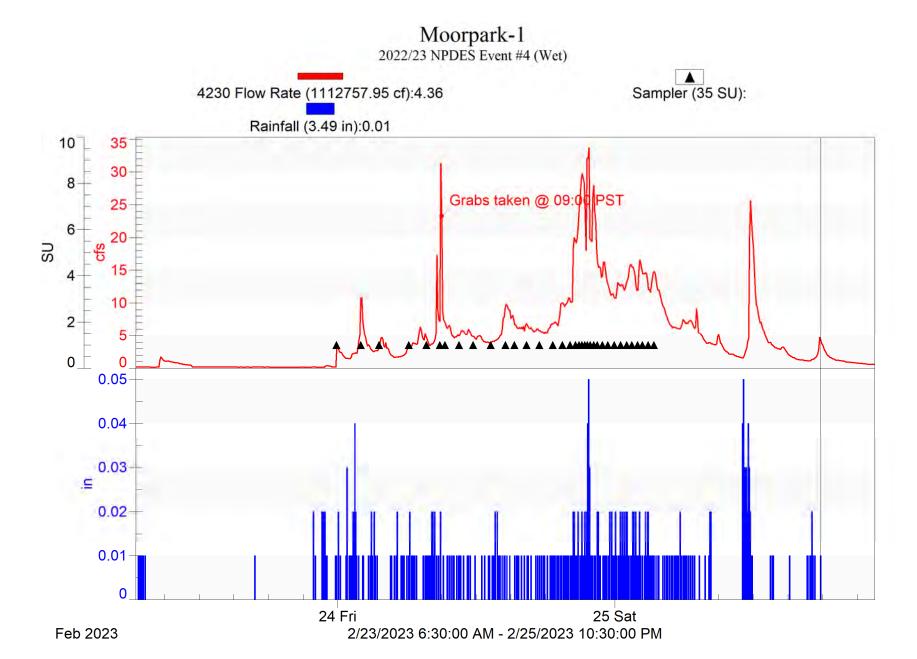


Meiners Oaks-1 2022/23 NPDES Event #4 (Wet)

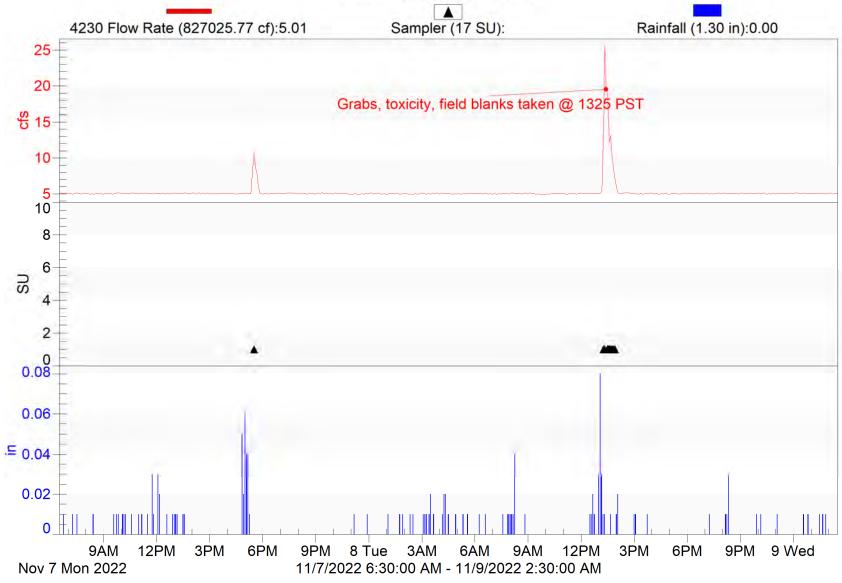








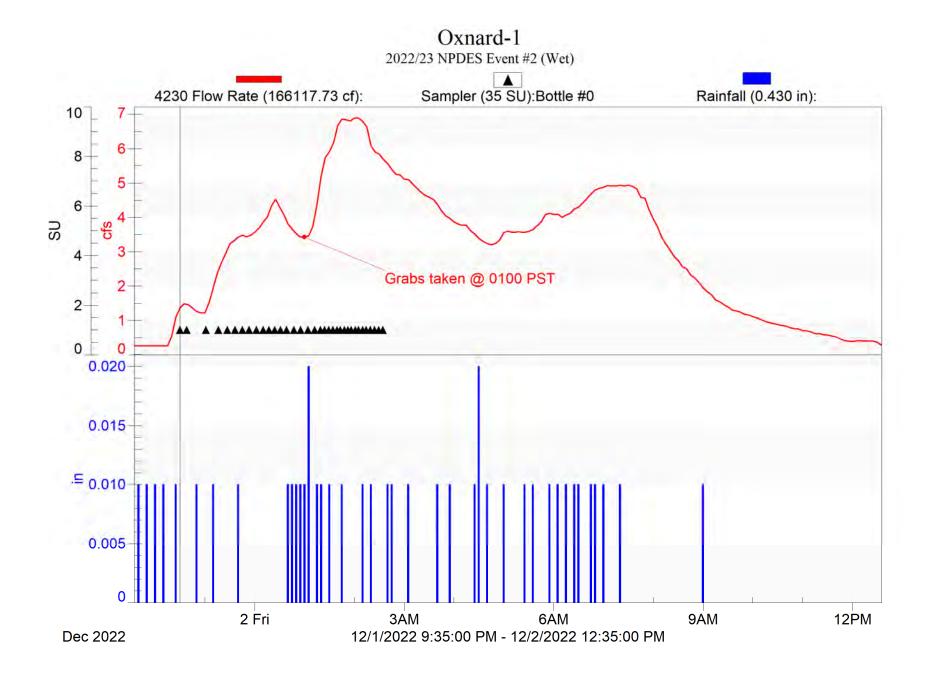
Ojai-1 2022/23 NPDES Event #1 (Wet)



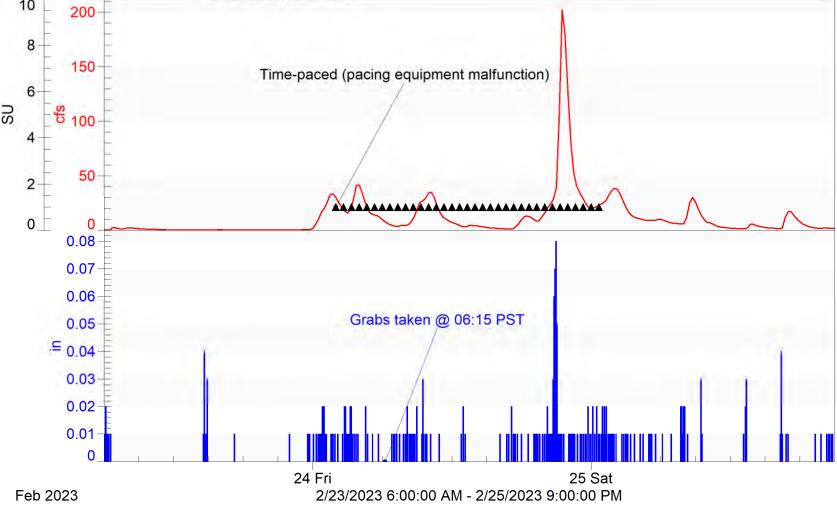
Ojai-1 2022/23 NPDES Event #2 (Wet) 4230 Flow Rate (652902.12 cf):5.12 Rainfall (1.03 in):0.00 Sampler (35 SU): 8 **\$** 7 Grabs taken @ 0440 PST 6 5 10 8 SU 2 0.020 0.015 .⊑ _{0.010}-0.005 0 6PM 9PM 2 Fri 6PM 9PM 3AM 6AM 9AM 12PM 3PM 3 Sat Dec 1 Thu 2022 12/1/2022 3:30:00 PM - 12/3/2022 2:30:00 AM

Ojai-1 2022/23 NPDES Event #4 (Wet) Sampler (35 SU): 4230 Flow Rate (10975790.32 cf):5.11 Rainfall (5.55 in):0.00 400 Grabs taken @ 06:30 PST 300 200 100 10 8 6 SU 2 0 0.08 0.06 0.04 0.02 0 24 Fri 3AM 9PM 25 Sat 3AM 3PM 6PM 9PM 6AM 9AM 12PM 3PM 6PM 6AM 9AM 12PM Feb 23 Thu 2023 2/23/2023 2:25:00 PM - 2/25/2023 1:25:00 PM

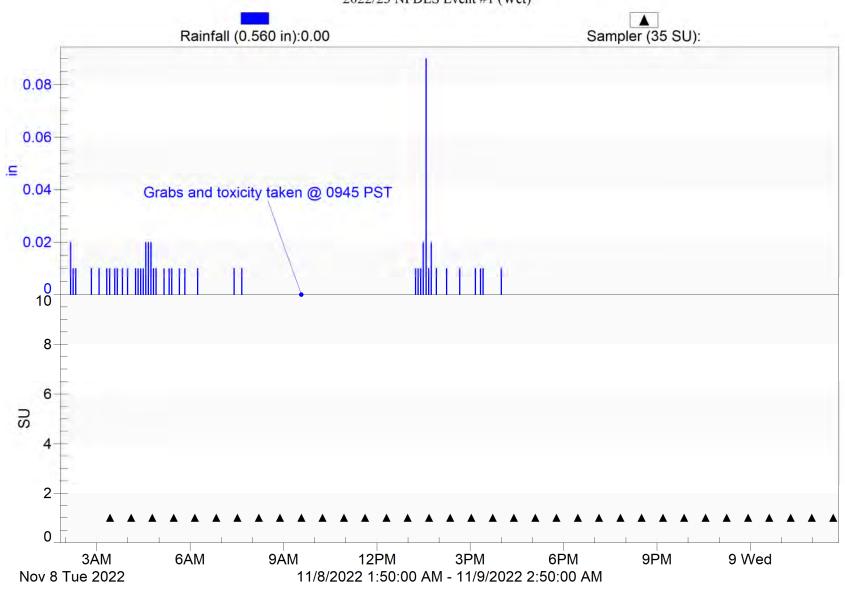
Oxnard-1 2022/23 NPDES Event #1 (Wet) Sampler (35 SU):Bottle #0 4230 Flow Rate (323031.20 cf): Rainfall (0.450 in): 10 60 8 50 6 S Grabs and toxicity taken @ 1100 PST 30 20 10 o^\perp 0 0.10 0.08 . 5 0.06 0.04 0.02 6PM 3AM 6AM 9AM 12PM 3PM Nov 8 Tue 2022 11/8/2022 2:20:00 AM - 11/8/2022 7:20:00 PM



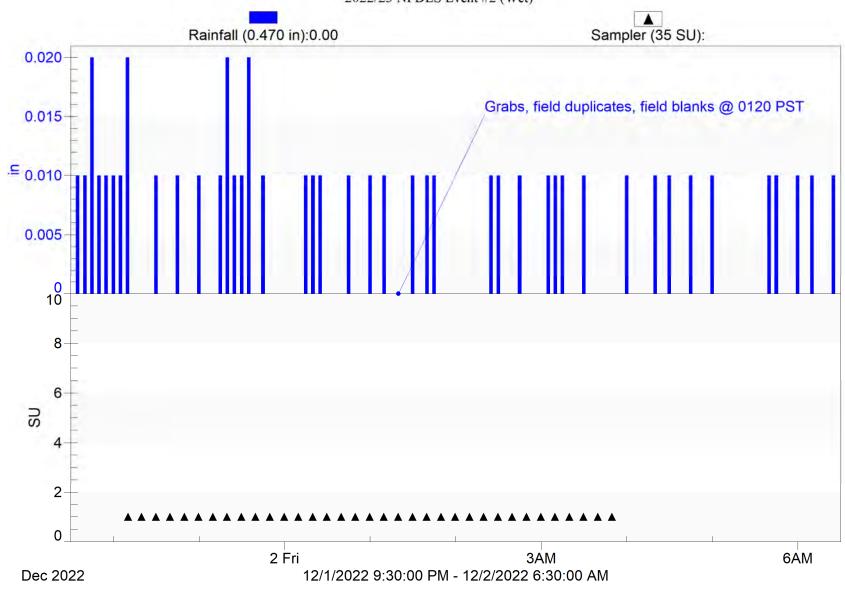
Oxnard-1 2022/23 NPDES Event #4 (Wet) Sampler (35 SU): 4230 Flow Rate (2671917.72 cf):0.26 Rainfall (2.49 in):0.00 10 200 8 150 Time-paced (pacing equipment malfunction) 6 S र्ड 100 50 0 0.08 0.07 0.06



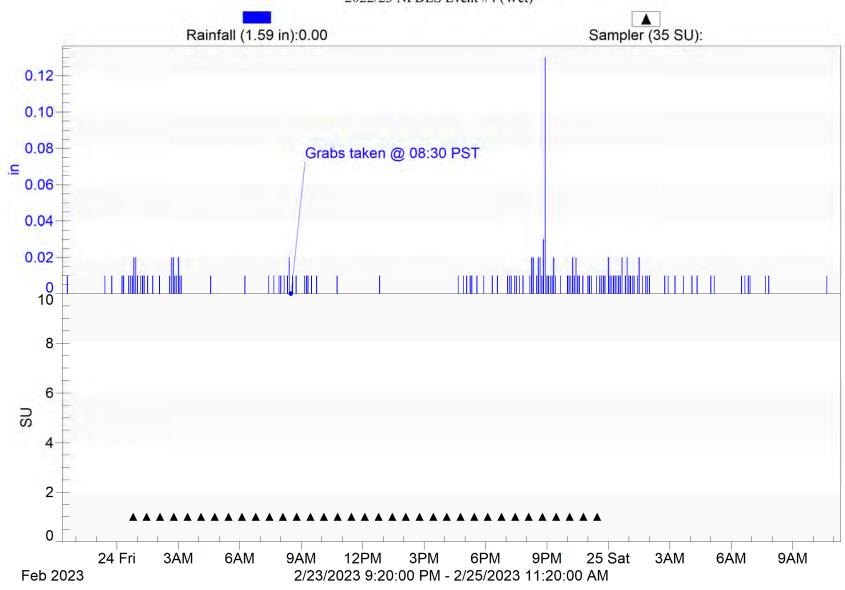
Port Hueneme-1 2022/23 NPDES Event #1 (Wet)



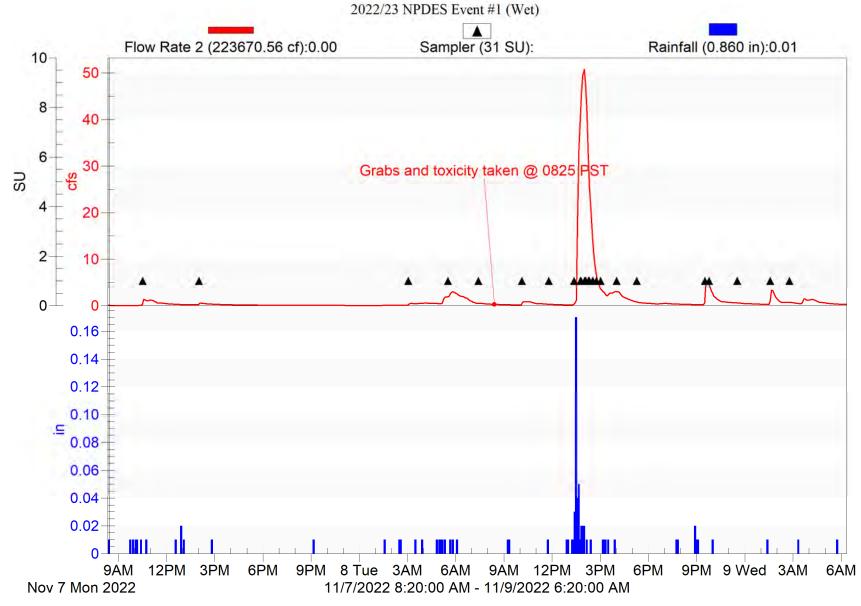
Port Hueneme-1 2022/23 NPDES Event #2 (Wet)

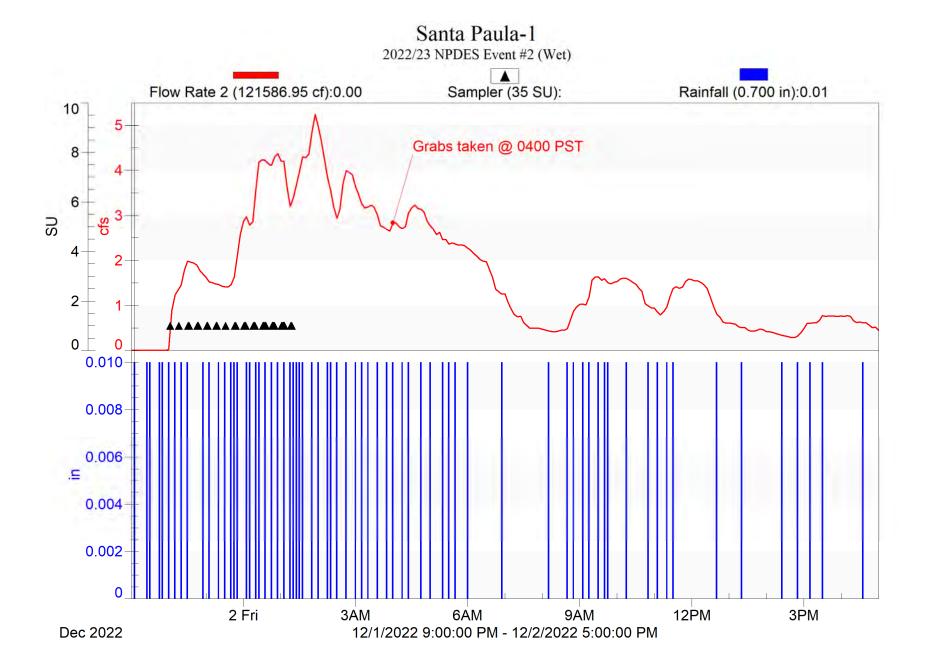


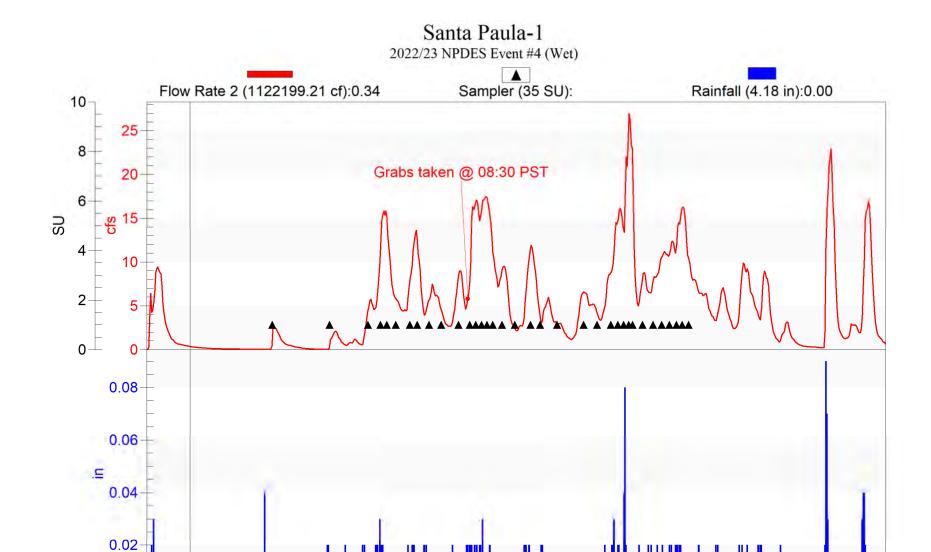
Port Hueneme-1 2022/23 NPDES Event #4 (Wet)











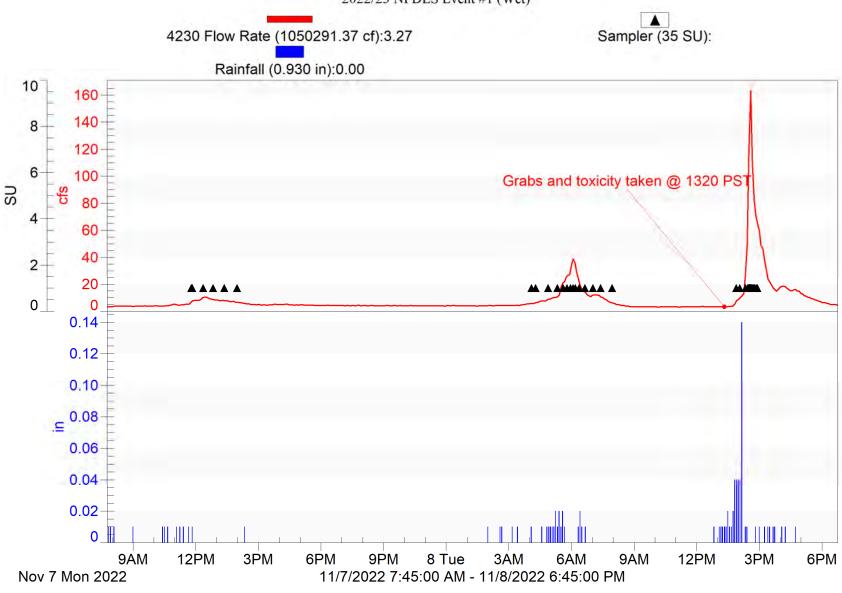
Feb 2023

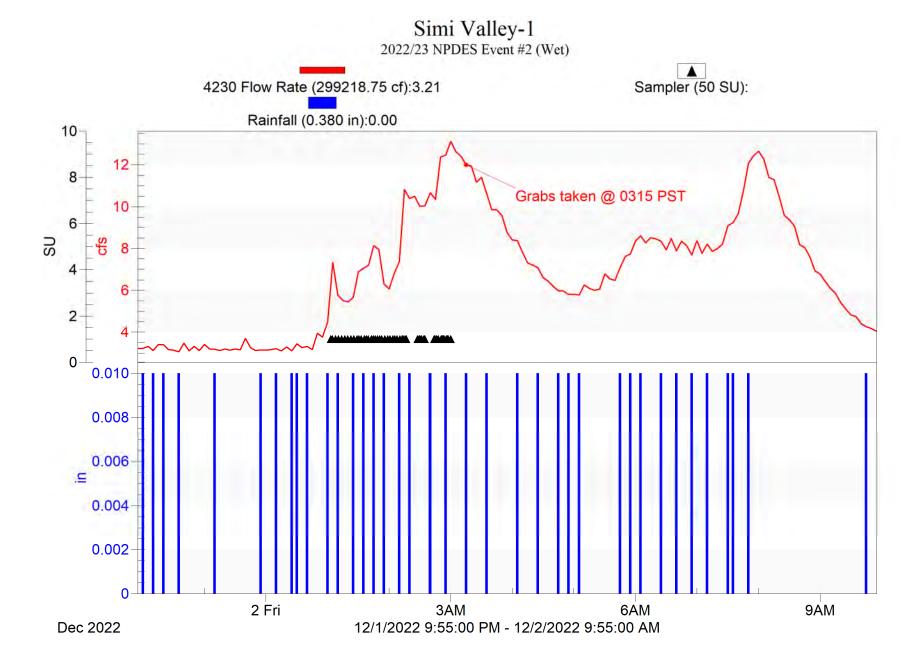
2/23/2023 6:00:00 AM - 2/25/2023 7:00:00 PM

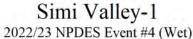
25 Sat

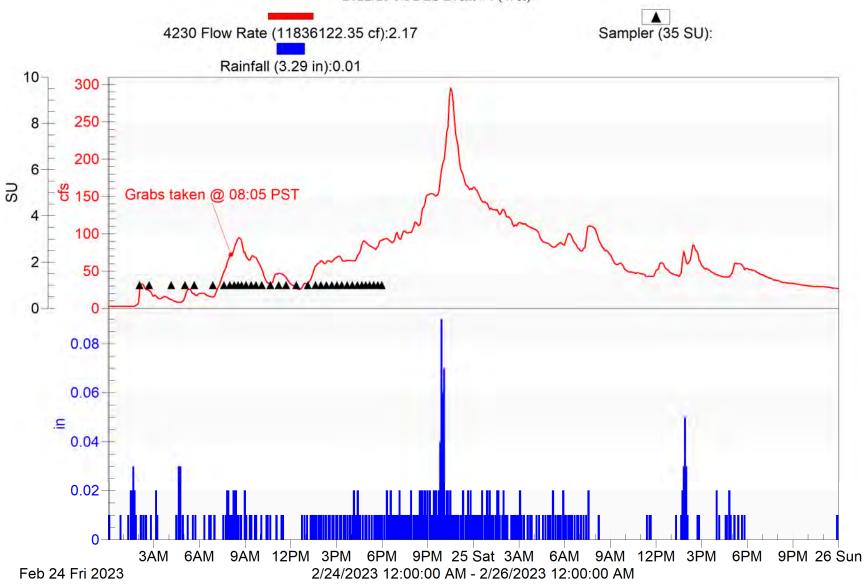
24 Fri

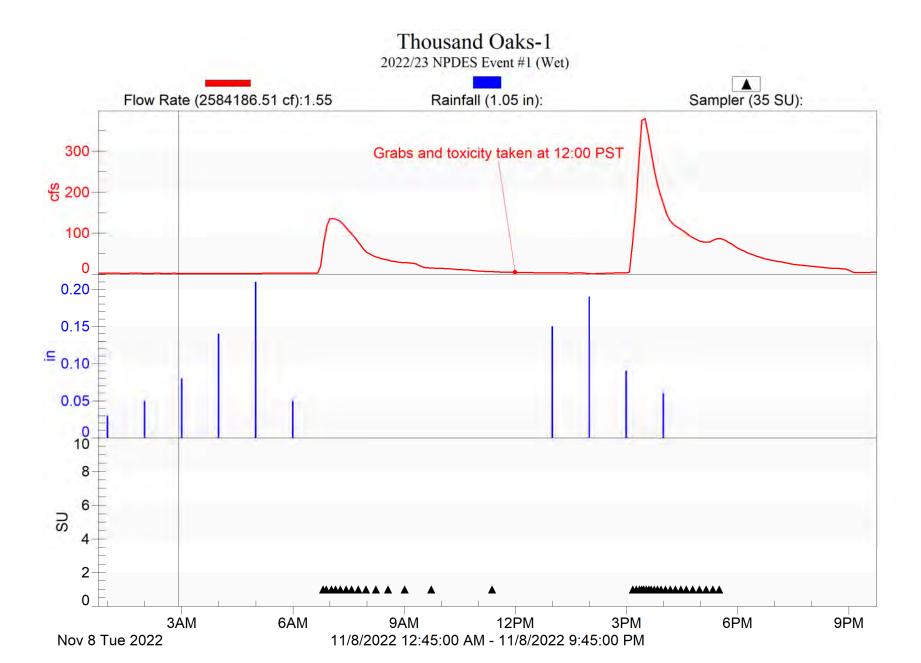
Simi Valley-1 2022/23 NPDES Event #1 (Wet)

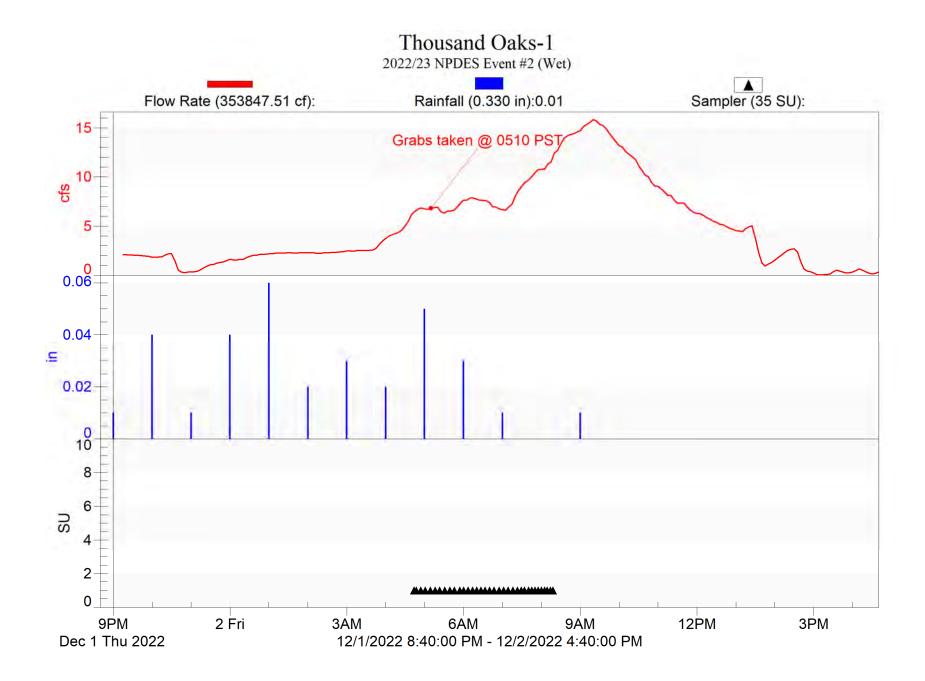




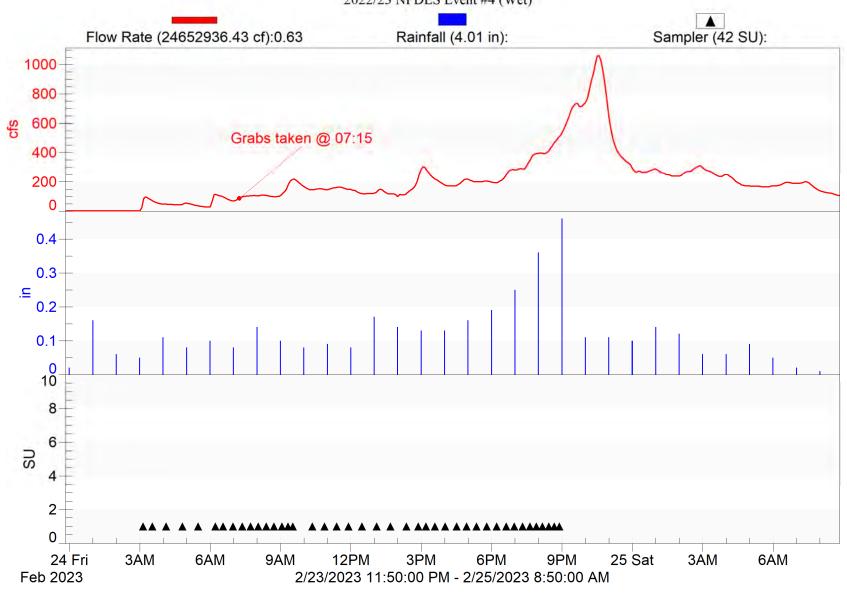


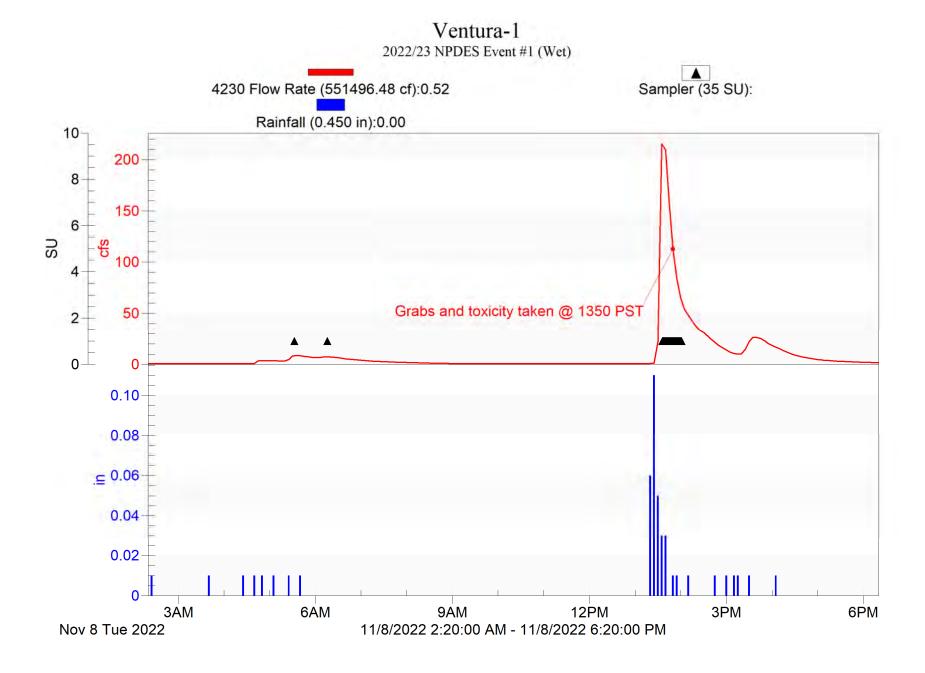


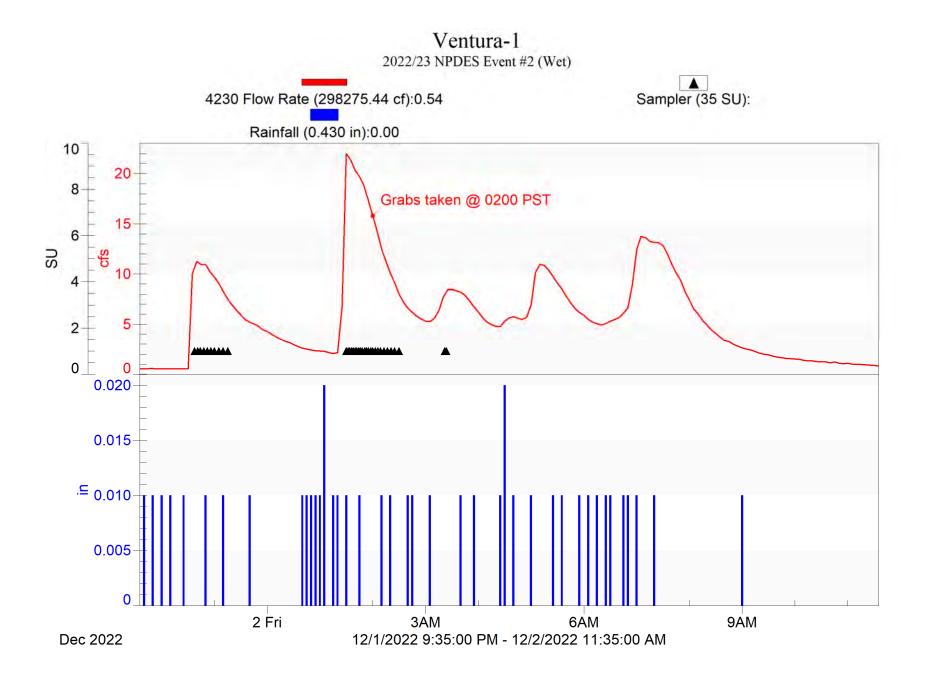


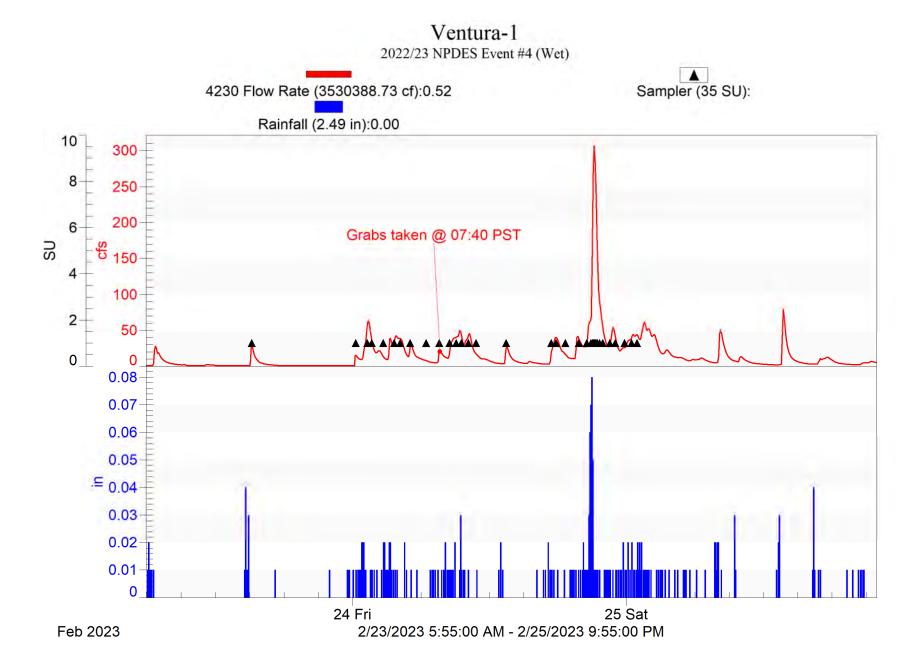


Thousand Oaks-1 2022/23 NPDES Event #4 (Wet)









Appendix C.	NRCS Curve Nu	umber Methodo	ology Discussio	n



Ventura County Watershed Protection District

Planning & Regulatory Hydrology Section MEMORANDUM

DATE: September 4, 2009 Updated August 12, 2010

TO: Tommy Liddell

VIA: Bruce Rindahl

FROM: Mark Bandurraga

SUBJECT: NPDES Monitoring Site Yield Evaluation

Per your request, we have used the land use and watershed information you provided to prepare a spreadsheet that can be used to estimate the runoff quantities from storm forecasts. The runoff quantity is estimated using the NRCS Curve Number approach that is a common method in hydrology. The results show that the weighed Curve Numbers estimated from the evaluation range from a low of about 74 for the rural Fox Canyon Drain watershed in Ojai to a high of about 91 for the urbanized watershed in the City of Ventura. The methodology and files used to calculate the Curve Numbers are described in this memo for the watersheds shown in Figures 1-4.

In August 2010 you requested results for another 7 monitoring sites across the county. This memo describes the additional work done for that request.

Curve Number Calculation Methodology

Land Use Data

Land Use data used in the study were provided by the Water Quality Section already clipped to the monitoring site boundaries and in a geodatabase. The land use data were extracted from the Assessor's Parcel database which is considered to be current as of the date of extraction (Feb 12, 2009). The various classifications in the file based on the assessor's 4-digit site use codes were sorted and assigned hydrologic land use names associated with the various classifications contained in the Curve Number (CN) Table from the Hydrology Manual (2006) as shown in Table

- 1. The categories in the land use file corresponded well with the land uses in the VCWPD CN Table with the following exceptions:
 - 1. Vacant undifferentiated land was assumed be open brush in fair condition in rural areas and open space with 50% grass cover in urban areas.
 - 2. Mixed urban land uses were assumed to correspond to commercial properties with 50% effective impervious.
 - 3. Fire stations, public buildings, and schools were assigned to the low industrial use category with an effective impervious value of 36% due to the potential for large landscaped areas.

Table 1 Land Uses In NPDES Database (Assessor's Land Uses)

	Land Oses in Mi DEO Dalabase (Assessor's Land	
KVM_CAT1	SHORT_	Name
Agriculture	Abandoned Orchards and Vineyards	Orchard
Agriculture	Horse Ranches	open
Agriculture	Nurseries	Orchard
Agriculture	Orchards and Vineyards	Orchard
Agriculture	Vacant With Limited Improvements	open
Com_Indus. Mix	Mixed Commercial and Industrial	Comm
Commer.	Commercial Recreation	Comm
Commer.	Commercial Storage	Comm
Commer.	Low- to Medium-Rise Major Office Use	comm
Commer.	Modern Strip Development	comm
	Retail Centers (Non-Strip with Contiguous Interconnected	
Commer.	Off-Street Parking)	comm
Extraction	WHOLESALING AND WAREHOUSING	indhigh
Facilitiy	Fire Stations**	indlow
Facilitiy	Government Offices	indlow
Facilitiy	Major Medical Health Care Facilities	comm
Facilitiy	Other Public Facilities	indlow
Facility	Other Special Use Facilities	indlow
Facility	Police and Sheriff Stations**	indlow
Facility	Religious Facilities	indlow
Facilitiy	Special Care Facilities	indlow
Industrial 1	Open Storage	indlow
	Packing Houses and Grain Elevators	
Industrial_1 Industrial 3	-	indlow
_	Manufacturing, Assembly, and Industrial Services	indhigh
No Info Given	Other Open Chase and Regrestion	open
Recreation	Other Open Space and Recreation	open
Res.1	Low Density Single Family Residential	reslow
Res.1	Trailer Parks and Mobile Home Courts, High Density	reshigh
Res.2	Low-Rise Apartments, Condominiums, and Townhouses	reshigh
Res.2	Rural Residential Low Density	resrural
Res.3	High Density Single Family Residential	reshigh
	Duplexes, Triplexes, and 2- or 3-Unit Condominiums and	
Res.4	Townhouses	reshigh
Res.4	Medium-Rise Apartments and Condominiums	reshigh
Res.4	Mixed Urban	comm
Schools	Elementary Schools**	indlow
Schools	Junior High Schools**	indlow
Schools	Senior High Schools**	indlow
Transportation	Freeways and Major Roads	paved
Transportation	Mixed Transportation	paved
Transportation	Truck Terminals	paved
Under Constructi	Under Construction	indlow
Utilities	Electrical Power Facilities	indlow
Vacant Undiffere	Vacant Undifferentiated (rural)	brushfair
Vacant Undiffere	Vacant Undifferentiated (city)	open

Soils Information

The soils information was obtained from the District soils shapefile that groups the soil info into categories 1 through 7 corresponding to the NRCS soil categories D through A, respectively. The soils info was clipped to the watershed boundaries using the watershed shapefile. The areas

obtained from the soils files were checked against the total watershed areas to make sure they were identical.

Combined Soils and Land Use Information and Weighted Curve Numbers

The soils and land use shapefiles were then unioned in GIS to obtain the combinations of soil type and land uses in the watersheds. The resulting table was imported into excel and sorted to group the various land uses. The land uses were then assigned a name associated with the data in the District CN Table. Based on the name and soil number, excel functions "match" and "offset" were used to obtain a CN from the CN Table. The weighted soil number and Curve Number for each watershed were calculated using the areas, soil numbers, and CN's. The weighted soil types were checked against the data in the original watershed soil files and were found to be the same. The weighted Curve Numbers were linked to a summary worksheet to be used to calculate the yields by the Water Quality Section. This procedure was also applied to the 7 additional watersheds added to the study in August 2010.

The results are shown in Table 2.

Table 2: Storm Yield Results- Weighted Average Curve Numbers

Watershed Name	Size ac	Compo- site CN	Rain (in)	Initial Abs S (no units)	Rain cutoff (in)	Yield (in)	% Yield
Camarillo	2,779	85.12	5.00	1.75	0.35	3.38	68%
Happy Valley	1,026	77.29	5.00	2.94	0.59	2.65	53%
Fox	749	74.19	5.00	3.48	0.70	2.38	48%
Ventura	707	90.93	5.00	1.00	0.20	3.97	79%
Fillmore	762	74.77	5.00	3.37	0.67	2.43	49%
Port Hueneme	589	85.60	5.00	1.68	0.34	3.43	69%
Moorpark	1,816	63.34	5.00	5.79	1.16	1.53	31%
Oxnard	1,374	84.07	5.00	1.89	0.38	3.28	66%
Simi Valley	3,321	71.04	5.00	4.08	0.82	2.12	42%
Santa Paula	64	80.07	5.00	2.49	0.50	2.90	58%
Thousand Oaks	5,179	81.54	5.00	2.26	0.45	3.04	61%

Between the first request and present, the Hydrology Section has updated their Curve Number tables to make them more consistent with reported infiltration rates in the Hydrology Manual. The resultant CNs were used in the study to see the effect on the yields as shown in Table 3.

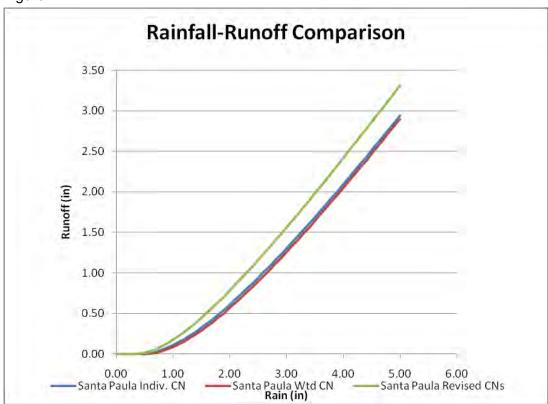
Table 3: Storm Yield Results- Weighted Average Curve Numbers with Updated CNs

	Size	Compo-	Rain	Initial Abs	Rain Cutoff	Yield	
Watershed Name	ac	site CN	(in)	S (no units)	(in)	(in)	% Yield
Camarillo	2,779	84.72	5.00	1.80	0.36	3.34	67%
Happy Valley	1,026	77.22	5.00	2.95	0.59	2.64	53%
Fox	749	73.48	5.00	3.61	0.72	2.32	46%
Ventura	707	91.24	5.00	0.96	0.19	4.01	80%
Fillmore	762	74.39	5.00	3.44	0.69	2.40	48%
Port Hueneme	589	86.14	5.00	1.61	0.32	3.48	70%
Moorpark	1,816	64.63	5.00	5.47	1.09	1.63	33%
Oxnard	1,374	84.01	5.00	1.90	0.38	3.27	65%
Simi Valley	3,321	71.11	5.00	4.06	0.81	2.13	43%
Santa Paula	64	84.22	5.00	1.87	0.37	3.29	66%
Thousand Oaks	5,179	81.27	5.00	2.30	0.46	3.01	60%

The results showed that the revised CNs provided yields that were 1 or 2% higher than the 2006 CN set except for the Santa Paula watershed. This watershed was soil type 6, which had CNs that were more affected by the updates than most of the CNs for the other soils.

While working on the 2nd request, it was realized that the Hydrology Section could provide more precise estimates of flow at lower rainfall levels by analyzing each soil/land use combination individually and summing the results rather than using a weighted average CN in the runoff equation. So the individual CN results were calculated and summed for both the 7 sites in this update and the previous 4 sites. The resultant spreadsheets provide tables of runoff vs rainfall data. Figure 1 shows a comparison of the rainfall and runoff from a highly developed watershed Camarillo using the weighted average CN, individual CNs, and revised individual CNs.





Conclusions and Limitations

The provided weighted CNs can be used to estimate runoff from low to moderately saturated watersheds. It has been our experience that it is necessary to use Antecedent Moisture Condition III CNs for highly saturated watersheds which only occurs after many days of heavy rainfall such as January 10, 2005. The provided CNs probably will overpredict the runoff coming from the first storms of the season due to the very dry antecedent moisture conditions present then. If necessary further work can be done to provide CNs representing AMC I conditions. Also, the CNs assigned to the various land uses can be calibrated after enough storms have occurred to evaluate the predictive accuracy of the current yield equations provided to the NPDES group. It should also be possible to provide forecasts of runoff from the HSPF forecast model of the Ventura River watershed that more accurate reflect saturated/unsaturated conditions.

List of Files in Work Directory K:\PR\hydrology\Watersheds\NPDES\Monitoring_Sites

Filename	Description
GIS	Contains GIS files used in evaluation
GIS2010	Contains 2010 GIS files used in updated evaluation
ClippedLandUse.mdb	Geodatabase with land uses clipped to watershed boundaries
	provided by WQ section
*_SelectedWatershed.shp	shapefiles showing boundaries of monitoring watersheds
*soils.shp	soils shapefiles clipped to watershed boundaries
*soilsunion.shp	Union of soils and land use data shapefile for watersheds
Allsoil.shp	VCWPD soils shapefile showing numbers for hydrology calcs
NPDES_MonitoringSitesR	9-09 CN data
unoff9-09.xls	
NPDES_MonitoringSitesR	8-10 updated analysis for 11 sites total
unoff8-10.xls	
NPDES_MonitoringSitesR	8-10 analysis using revised CNs
unoff8-10RevCNs.xls	
MonitoringSites9-09.mxd	ArcMap project file for analysis

Ventura Watershed



Figure 2

Meiners Oaks Happy Valley Watershed



Figure 3

Ojai Fox Watershed



Figure 4

Camarillo Hills Drain Watershed

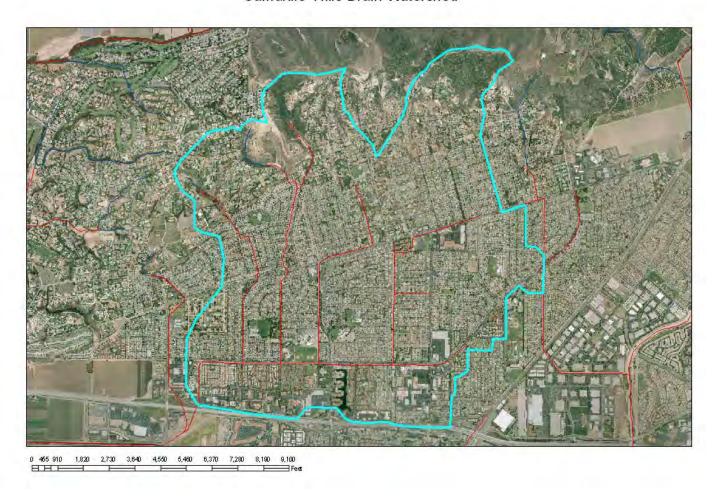


Figure 5

Simi Valley Watershed

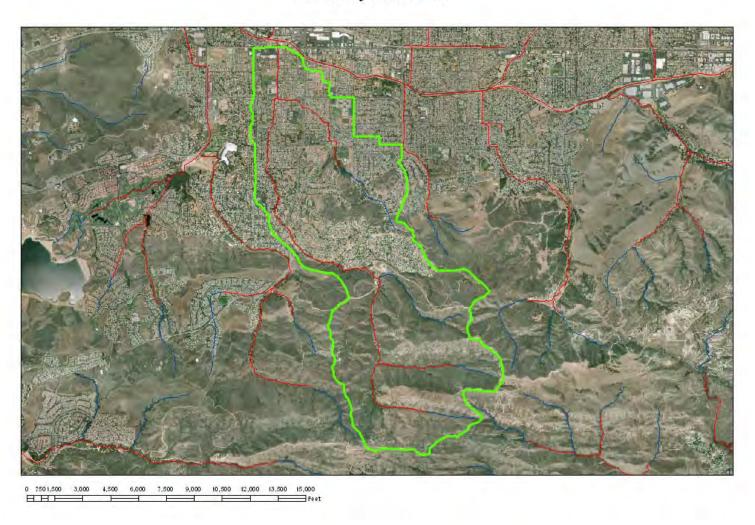


Figure 6

Oxnard Watershed



Figure 7

Moorpark Watershed



Figure 8

Port Hueneme Watershed



Figure 9

Fillmore Watershed

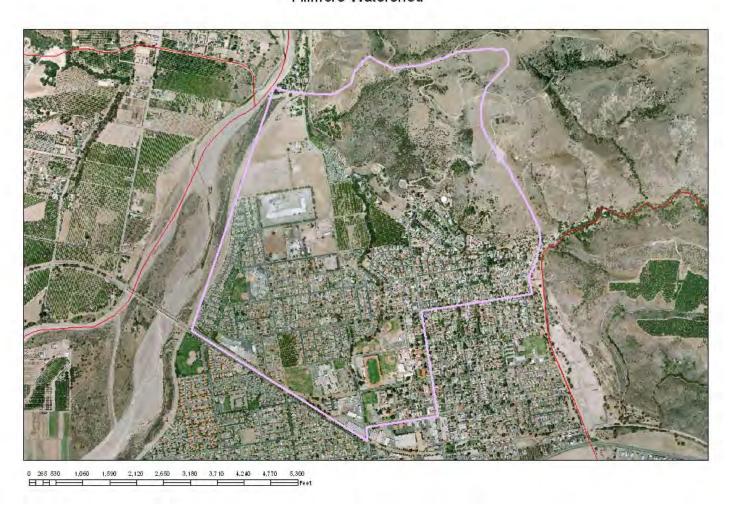


Figure 10

Thousand Oaks Watershed

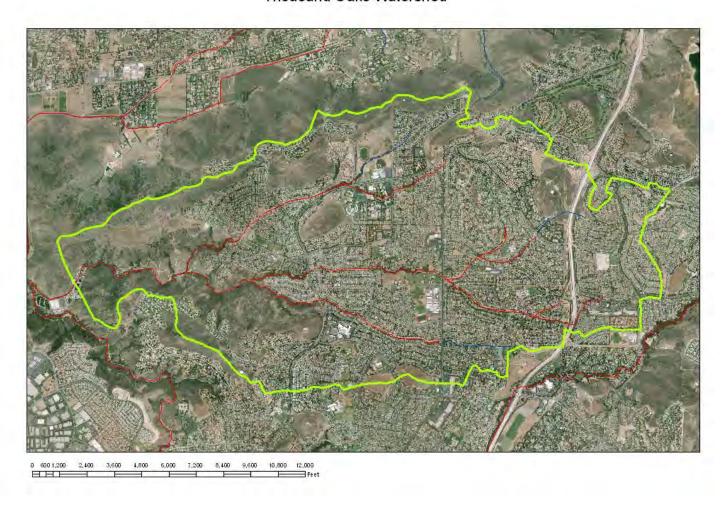


Figure 11

Santa Paula Watershed



Figure 12

Appendix D. Event Summaries

							Flowmeter							Comp bottle	Comp Duration				
<u>Site</u>	Event	<u>Visit</u>	<u>Staff</u>	<u>Date</u>	Arrival Time		<u>Level</u> (feet)	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T <u>°C</u>	Flush (L)	Pump Count	Program/6712 Display	status/ Estimated Vol (L)	(nearest half hrs)			Toxicity Time	<u>Notes</u>
ME-CC ME-CC	1	1 2	DW DL,LZ	11/6/2022 11/8/2022	1358 1553	PST PST	1.096 1.998	NA NA	1.09	Turned on 4	4L Distilled	6,296	Flow: 1 pulse/500mlx35, program disabled Sample 5 after 1 pulse	m Installed labelled bottle, lid off. 4L			1600	1610	Turned fridge on. Grab bottles and tox buckets placed onsite.
ME-CC	1	3	EM,SM	11/9/2022	0903	PST	2.37	NA	2.8	2	2L Distilled	380,610	Program done	Full		0910			Turned off 6712 and fridge, propped open.
ME-SCR ME-SCR	1	1 2	DL,KH	11/6/2022 11/8/2022	0953	PST PST	13.254	NA NA	NA NA	4	4L Distilled	16,809	Time: 41 min/500mlx35, progran disabled	n Installed labelled bottle, lid off.					Grab bottles and tox buckets placed onsite. Lowered swing arm. Cleaned rain gauge.
ME-SCR	1	3	DL,DW	11/9/2022	0846	PST	13.256	NA	NA	4	2L Distilled	371,238	Sample 30 in 33:41. Stopped program	1L		NA			Insufficient flow for sampling. Not sampled this event. Turned off 6712. Turned outside light off. Raised swing arm. Tox buckets and grab bottles left onsite for next event.
ME-VR2 ME-VR2 ME-VR2	1 1 1	1 2 3	DL SC,DW KH,JJ	11/6/2022 11/8/2022 11/9/2022	1250 1630 1020	PST PST PST	5.183 5.372 5.221	NA NA NA	NA NA NA	0 1 2	4L Distilled 2L Distilled	7,313 378,792	Flow: 1 pulse/500mlx35, program disabled Sample 10 after 1 pulse Program done	n Installed labelled bottle, lid off. 5L 16.5L		1030	1650	1650	Grab bottles and tox buckets placed onsite. Desiccant blue, rain gauge clean. Turned off 6712. No obvious HWM.
MO-CAM MO-CAM	1	1 2	DW EM,MD	11/6/2022 11/8/2022			0.033 0.037	10 10	Dry < toe	Turned on 2	4L Distilled	4,258	Flow: 1 pulse/500mix35, program disabled Program disabled	n Installed labelled bottle, lid off. 3.4L			1035	1035	Turned fridge on. Grab bottles and tox buckets placed onsite. Desiccant dark gray Field duplicate 10:35 Turned off 6712 and fridge, propped open. Rain gauge reading less than nearby.
MO-CAM MO-FIL MO-FIL	1 1 1	1 2	JB,SM JM,JK	11/9/2022 11/6/2022 11/8/2022		PST PST PST	0.033 0.04 0.089	NA NA	NA NA	Turned on -5	2L Distilled 4L Distilled	98,915 5,063	Program done Time: 41 min/500mlx35, program disabled Sample 7 in 00:10:50 Program done, Errors have			0940	0935	0935	Cleaned on 11/15 Turned fridge on. Grab bottles and tox buckets placed onsite. Desiccant purple Changed desiccant Turned off 6712 and fridge, propped open. Trip blank for 624.1 was onsite. Taken and
MO-FIL	1	3	DL,DW	11/9/2022	1105	PST	0.041	NA	NA	4	2L Distilled	197,344	occurred	12.5L		1110			disposed of.
MO-HUE MO-HUE MO-HUE	1 1 1	1 2 3	DL SC,DW KH,JJ	11/6/2022 11/8/2022 11/9/2022	1358 0925 1120	PST PST PST	NA NA NA	NA NA NA		1 2 1	4L Distilled 2L Distilled	4,142 158,539	Time: 41 min/500mlx35, program disabled Sample 10 in 00:05:48 Program done	n Installed labelled bottle, lid off. 5.5L 19L		1120	0935		Grab bottles and tox buckets placed onsite. Turned off 6712
MO-MEI MO-MEI	1	1 2	DL SC,DW	11/6/2022 11/8/2022	1201 1055	PST PST	0.078 0.077	1 1	Dry <0.1	Turned on 2	4L Distilled	4,190	Flow: 1 pulse/500mlx35, program disabled Program disabled	n Installed labelled bottle, lid off. 3.5L			1115	1115	Turned fridge on. Grab bottles and tox buckets placed onsite. Turned off 6712 and fridge, propped open.
MO-MEI	1	3	KH,JJ	11/9/2022	0946	PST	0.077	1	<0.1cfs	2	2L Distilled	77,903	Program done	Overfilled ~50mL		0946			Rain gauge reading less than nearby. Cleaned on 11/15
МО-МРК МО-МРК		1 2	DW EM,MD	11/6/2022 11/8/2022		PST PST	0.074 0.138	0.2 1.3	Dry	Turned on 11	4L Distilled	4,761	Flow: 1 pulse/500mlx35, program disabled Sample 6 after 1 pulse	m Installed labelled bottle, lid off. 3L			1420	1420	Turned fridge on. Grab bottles and tox buckets placed onsite. Desiccant purple
MO-MPK	1	3	EM,MD	11/8/2022	1500	PST	0.26	5.6		NR	2L Distilled	139,939	Program done	NR		1500			Turned off 6712 and fridge, propped open.
MO-OJA MO-OJA	1	1 2	DL SC,DW	11/6/2022 11/8/2022	1120 1310	PST PST	0.094 0.096	5 5	Dry 1	3 3	4L Distilled	4,296	Flow: 1 pulse/500mlx35, program disabled Sample 4 after 1 pulse Program disabled. 17 samples	m Installed labelled bottle, lid off. 1L			1325	1325	Grab bottles and field blanks and tox buckets placed onsite. Desiccant orange (good) Field blanks at 1325 Turned off 6712. (head tested flowmeter
MO-OJA	1	3	KH,JJ	11/9/2022	0913	PST	0.096	5	~0.1cfs	1	2L Distilled	51,007	taken	8L		0915			11/16 to 1.2' - good)

MO-OXN MO-OXN	1	1 2	JB,SM JM,JK	11/6/2022 11/8/2022	1301 1050	PST PST	0.11 0.162	0.7	No flow	Turned on 0	4L Distilled	5,138	Flow: 1 pulse/500mlx35, program disabled Program disabled	m Installed labelled bottle, lid off. 1.5"		1100	1100	Turned fridge on. Grab bottles and tox buckets placed onsite. Desiccant dark purple Changed desiccant
MO-OXN	1	3	DL,DW	11/9/2022	0941	PST	0.11	0.3	No flow on bank	2	2L Distilled	136,100	Program done	19L	0945			Turned off 6712 and fridge, propped open. Solar panel case peeled back. Set up team left comp bottle cap face down in fridge.
MO-SIM	1	1	DW	11/6/2022	1157	PST	0.171	3	<0.5"	Turned on	4L Distilled	6,039	Flow: 1 pulse/500mlx35, program disabled Program disabled, Errors have	n Installed labelled bottle, lid off.				Turned fridge on. Grab bottles and tox buckets placed onsite.
MO-SIM	1	2	EM,MD	11/8/2022	1300	PST	0.171	3	NR	2			occurred Program done, Errors have	8L		1320	1320	
MO-SIM	1	3	EM,MD	11/9/2022	1035	PST	0.172	3	NR	1	2L Distilled	83,950	occurred	15.25L	1050			Turned off 6712 and fridge, propped open.
MO-SPA	1	1 2	JB,SM JM,JK	11/6/2022 11/8/2022	0957 0825	PST PST	NA NA	NA NA	No flow Flowing	Turned on	4L Distilled	5,051	Flow: 1 pulse/500mlx35, prograr disabled Program disabled, Errors have occurred	n Installed labelled bottle, lid off. 2L		0825	0825	Turned fridge on. Grab bottles and tox buckets placed onsite. Vandals cut open conduit and knicked/kinked intake line. Replaced kinked section with pump tubing and secured with zip ties.
		_		/- /					- · · · ·	2			Program disabled, Errors have	40.51				T 1 (6540 1611
MO-SPA	1	3	DL,DW	11/9/2022	1034	PST	NA	NA	Trickle	3	2L Distilled	152,301	occurred	10.5L	1040			Turned off 6712 and fridge, propped open.
MO-THO MO-THO MO-THO	1 1 1	1 2 3	DW EM,MD EM,SM	11/6/2022 11/8/2022 11/9/2022	1145	PST PST PST	2.042 2.322 2.135	0 3 1	2'1" 2.5	-0.5 3 2	4L Distilled 2L Distilled	7,629 183,150	Flow: 1 pulse/500mlx35, program disabled Program disabled Program done	m Installed labelled bottle, lid off. 6.5L 17.5L	1120	1200	1200	Grab bottles and tox buckets placed onsite. Desiccant mixed gray/purple Turned off 6712
MO-VEN MO-VEN MO-VEN	1 1 1	1 2 3	JB,SM JM,JK JM,JK	11/6/2022 11/8/2022 11/8/2022	1348 1147 1402	PST PST PST	0.045 0.045 0.71	54	No flow No flow	Turned on 3 5	4L Distilled	4,208	Flow: 1 pulse/500mlx35, program disabled Program disabled Program done	n Installed labelled bottle, lid off. 1" 5 gallon		1350	1350	Turned fridge on. Grab bottles and tox buckets placed onsite. Desiccant pink. Changed desiccant
MO-VEN	1	4	KH,JJ	11/9/2022	1200	PST	0.046	1	<0.01cfs	0	2L Distilled	101,317	Program done	19L	1200			Turned off 6712 and fridge, propped open.

NR: Not recorded

All times are recorded here in PST

Forecast Rain: NWS 1-3" coast/valleys and 2-5" foothills/mountains for a multi-day (36-48-hr) period and is more than the other forecasters. Sites were programmed for 0.75-1.25" rainfal Actual Rainfall: 0.5-1.25" at sites over 3 days (most rain fell 11/8/2022

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to William Schwartz at VCHCA:

11/8/2022 @ 15:10 PST (OJA/MEI/HUE) and 17:50 PST (VR2) by Sawyer Carmar

11/8/2022 @ 12:09 PST (SPA/FIL/OXN) and 14:30 PST (VEN) by Jim McCrory

11/8/2022 @ 1605 PST (CAM+FD-1/THO/SIM/MPK) by Emily McCord

11/8/2022 @ 17:02 PST (CC) by David Laak

Toxicity samples to Victor Marquez at Aquatic Bioassay and Consulting Laboratories, Inc.

11/8/2022 @ 14:40 PST (OJA/MEI/HUE) and 17:25 PST (VR2) by Sawyer Carmar

11/8/2022 @ 12:37 PST (SPA/FIL/OXN) and 14:45 PST (VEN) by Jim McCrory

11/8/2022 @ 1700 PST (CAM/THO/SIM/MPK) by Marissa DeHoyos

11/8/2022 @ 17:50 PST (CC/RW-LC1(MSS)) by David Laak

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier (Steve Elsayed with DCS)): 11/9/2022 @ 15:20 PST (All sampled grabs and composites) by Bill Care\

Meters:

CAM/MPK/SIM/THO (EM/MD): Beckman 255 #2554, YSI# 01G0625
OJA/MEI/HUE/VR2 (SC/DW): YSI Ecosense pH100A # JC04180, YSI Prosense 13b101923

<u>Site</u>	Event	Visit	<u>Staff</u>	<u>Date</u>	Arrival Time		Flowmeter Level (feet)	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T	Flush (L)	Pump Count	Program/6712 Display	Comp bottle status/ Estimated Vol (L)	Comp Duration (nearest half hrs)			Toxicity Time	L <u>Notes</u>
ME-CC ME-CC	2 2	1 2	SM DL,KC	11/30/2022 12/2/2022	1327 1023	PST PST	0.959 1.18	NA NA	NR 1.2	Turned on 0	4L Distilled	387,902	Flow: 1 pulse/500mlx35, progran disabled Sample 2 after 1 pulse	n Installed labelled bottle, lid off. 0.5L			1040		Grab bottles placed onsite. Desiccant purple
ME-CC	2	3	KH,LL	12/3/2022	0720		1.596	NA	NR	3	2L Distilled	760,465	Program done	Overfilled		0725			Turned off fridge/propped open. Turned off 6712.
ME-SCR	2	1	WBC	11/30/2022	1310	PST	Out of contact	NA	NA	4 6,	4L Distilled	377,033	Time: 10 min/500mlx35, program disabled Program done. Reprogrammed 15 min and reran (enable	n Installed labelled bottle, lid off.					Grab bottles and toxicity buckets still onsite from event 1. Deployed swing arm. Cleaned rain gauge
ME-SCR	2	2	DL,KC	12/2/2022	0720	PST	2.403	NA	NA	turned colder			threshold updated for higher rainfall)	1.5L			0740		Very little flow in channel
ME-SCR	2	3	KH,LL	12/3/2022	0633	PST	2.409	NA	NA	5	2L Distilled	1,235,779	Errors have occurred. Replace pump tubing. Replace internal battery before Jun 27, 2022	1.5L		NA			Very little flow in channel. Dumped sample, not representative of stormwater. Raised swing arm . Turned 6712 off.
ME-VR2	2	1	KC,JB	11/30/2022	1839	PST	5.196	NA	NA	3	4L Distilled		Flow: 1 pulse/500mlx35, program disabled	bottle, lid off.					Grab bottles placed onsite. Desiccant purple. Intake secure.
ME-VR2 ME-VR2	2	2	DL,KC WBC	12/2/2022 12/2/2022		PST PST	5.301 5.262	NA NA	NA NA	1 2	2L Distilled	755,466	Sample 21 after 1 pulse. Warning replace pump tubing Program done	10L 18L		0930	0600		Turned 6712 off
MO-CAM MO-CAM	2	1 2	SM JB,LL	11/30/2022 12/2/2022	0125	PST PST	0.035 0.04	10 11	NR NR	Turned on	4L Distilled	106,871	Flow: 1 pulse/500mlx35, progran disabled Program disabled Program disabled. Stopped	bottle, lid off. OL NR. Est 16.5L from					Grab bottles placed onsite. Desiccant dark grey Did not collect sample Turned off fridge/propped open. Turned off
MO-CAM	2	3	JB,LL	12/2/2022	0606	PST	0.044	11	0.05	2	2L Distilled	NR	program	photo		0620	0615	_	6712.
MO-FIL MO-FIL	2 2	1 2	KC,JB SC,AS,MQ	11/30/2022 12/2/2022		PST PST	0.041 0.1	NA NA	0	Turned on 4	4L Distilled	NR	Time: 10 min/500mlx35, program disabled Sample 17 in 00:00:10	n Installed labelled bottle, lid off. 7.5L			0400		Grab bottles placed onsite Turned off fridge/propped open. Turned off
MO-FIL	2	3	SC,AS	12/2/2022	0710	PST	0.09	NA		-1	2L Distilled	352,561	Program done	17L		0715			6712.
MO-HUE MO-HUE MO-HUE	2 2 2	1 2 3	WBC EM,SM EM,SM	11/30/2022 12/2/2022 12/2/2022		PST PST PST	NA NA NA	NA NA NA		2 4 4	4L Distilled 2L Distilled	161,448 317,080	Time: 10 min/500mlx35, program disabled Sample 20 in 00:06:07 Program done	n Installed labelled bottle, lid off. 11.5L 20L		0554	0120		Grab bottles, field dups, and field blanks placed onsite. Replaced 2105 desiccant Field blanks and dups @ 01:20 Turned off 6712
MO-MEI MO-MEI	2 2	1 2	KC,JB EM,SM	11/30/2022 12/2/2022		PST PST	0.076 0.108	1 2	0 <0.25	Turned on 2	4L Distilled	NR	Flow: 1 pulse/500mlx35, progran disabled Program disabled	n Installed labelled bottle, lid off. OL			0340		Grab bottles placed onsite. Desiccant purple/orange
MO-MEI	2	3	EM,SM	12/3/2022			0.077	1	0	-2	2L Distilled	157,038	Program done	Full to top		0715			Turned off fridge/propped open. Turned off 6712.
МО-МРК	2	1	SM	11/30/2022		PST	0.072	0.2	Dry	Added ice to fridge	4L Distilled	147,708	Flow: 1 pulse/500mlx35, program disabled	n Installed labelled bottle, lid off.					Grab bottles placed onsite. Desiccant light purple
МО-МРК	2	2	JB,LL	12/2/2022	0358	PST	0.103	0.6	0	3 (iced)			Program disabled Program disabled. Stopped	9.5L			0405		Some water in stream center. No outfall from Edison Unplugged fridge drain, propped open lid
MO-MPK	2	3	DL,KC	12/2/2022	0908	PST	0.106	NR	NR	2	2L Distilled	271,054	program	16L		0915			with rack. Turned off 6712.
MO-OJA MO-OJA	2 2	1 2	KC,JB EM,SM	11/30/2022 12/2/2022		PST PST	0.1 0.099	5 5	Dry <0.25	2	4L Distilled	NR	Flow: 1 pulse/500mlx35, program disabled Program disabled	n Installed labelled bottle, lid off. OL			0440		Grab bottles placed onsite. Desiccant orange
MO-OJA	2	3	EM,SM	12/3/2022	0649	PST	0.1	5	0	2	2L Distilled	148,182	Program done	16.5L		0650	33		Turned off 6712

MO-OXN MO-OXN	2 2	1 2	KC,JB WBC	11/30/2022	1406	PST PST	0.111	0.3	Dry	Turned on	4L Distilled	NR	Flow: 1 pulse/500mlx35, program enabling. Unable to communicat with site. Stopped program. Revisit needed. Programmed 1 pulse.			ı	Grab bottles placed onsite
MO-OXN	2	3	SC,AS,MQ	12/2/2022	0040	PST	0.349	3.4	0.4	3			Sample 19 after 1 pulse	9.5L		0100	
MO-OXN	2	4	SC.AS.MO	12/2/2022	0458	PST	0.364	3.5	0.4	3	2L Distilled	271,940	Program done	18.5L	0458		Turned off fridge/propped open. Turned off 6712.
MO-SIM	2	1	SM	11/30/2022			0.172	3	<0.2	Turned on	4L Distilled	90,339	Flow: 1 pulse/500mlx35, program disabled		0.130		Grab bottles placed onsite. Desiccant purple/orange
				40/0/000	0209		0.23 0.293	6 11	0.2	1			33 samples, errors have occurred. Reprogrammed for 23 samples (bubbles still entrained @0.287') Oversampling. Reprogrammed 12 samples. Program complete, errors have	Overflowed small	222		Air bubbles entrained in intake, slurping sound at intake when submerged during sampling @0.312'. Tightened all hose clamps (none loose). No sign of rust above waterline. Intake pipe a couple mm above cement floor. Bubbles still entrained @0.318'. Turned off fridge/propped open.
MO-SIM	2	2	JB,LL	12/2/2022	0325	PST	0.293	11	0.3	1	2L Distilled		occurred	amount	0330	0315	Turned off 6712.
										Turned			Flow: 1 pulse/500mlx35, progran	n Installed labelled			
MO-SPA	2	1	KC,JB	11/30/2022	1526	PST	NA	NA	No flow	on	4L Distilled	NR	disabled	bottle, lid off.			Grab bottles placed onsite.
MO-SPA	2	2	SC,AS,MQ	12/2/2022	0245	PST	NA	NA	Flowing	3	2L Distilled	308,288	Program done	14L	0310	0255	Turned off fridge/propped open. Turned off 6712.
MO-THO MO-THO MO-THO	2 2 2	1 2 3	SM JB,LL DL,KC	11/30/2022 12/2/2022 12/2/2022	0506	PST PST PST	2.198 2.398 2.532	2 5 9	2.1 2.2 NR	4 3 4	4L Distilled 2L Distilled	189,770 350,529	Flow: 1 pulse/500mlx35, progran disabled Sample 5 after 1 pulse Program done	n Installed labelled bottle, lid off. 2.5L 17.5L	0950	0510	Grab bottles placed onsite. Desiccant purple Turned off 6712
MO-VEN	2	1	KC,JB	11/30/2022	1318	PST	0.047	NR	No flow	Turned on	4L Distilled	NR	Flow: 1 pulse/500mlx35, progran disabled Sample 24 after 1 pulse. Errors	n Installed labelled bottle, lid off.			Grab bottles placed onsite. Desiccant purple
MO-VEN	2	2	SC,AS,MQ	12/2/2022	0150	PST	0.361	17	0.4	5			have occurred Program done. Errors have	13L		0200	
MO-VEN	2	3	SC,AS,MQ	12/2/2022	0530	PST	0.25	9	0.2	2	2L Distilled	200,886	occurred	19L	0535		Turned off fridge/propped open

NR: Not recorded

All times are recorded here in PST

Forecast Rain: Initial forecasts 1-2" coast/valleys and 2-4" mountains over a 12-24 hour period, but dropped/varied significantly leading up to event to 0-1". Sites programmed for 0.25"

Actual Rainfall: ~0.3-~1" at NPDES monitoring stations

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to William Schwartz at VCHCA:

12/2/2022 @ 06:45 PST (OJA/MEI/HUE(+FD+FB)) by Emily McCord

12/2/2022 @ 06:30 PST (SPA/FIL/OXN/VEN) by Sawyer Carman

12/2/2022 @ 07:03 PST (CAM/THO/SIM/MPK) by Jon Bridgeman

12/2/2022 @ 11:10 PST (CC/VR2/SCR) by David Laak

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier)

12/2/2022 @ 15:00 PST (All sampled grabs and composites except CC/SCR/OJA/MEI composites) to Jose (DCS courier) by Bill Carey

12/3/2022 @ 09:23 PST (CC/SCR(to clean only)/OJA/MEI composites) to Hector Sanchez by Kelly Hahs

Meters:

CAM/MPK/SIM/THO (JB,LL): YSI Ecosense pH100A #JC04476, YSI 85 # 05E1126

OJA/MEI/HUE (EM,SM): YSI Ecosense pH100A # JC04180, YSI Prosense 13b101923

OXN/VEN/FIL/SPA (SC/AS,MQ): Beckman 255 # 2554, YSI 85 # 01G0625

CC/VR2 (DL,KC): Beckman 255 # 2554, YSI 85 # 01G0625

							Flowmeter							Comp bottle	Comp Duration	_			
Site	Fve	nt Visit	Staff	Date	Arrival Time	PST/ PDT	<u>Level</u> (feet)	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T °C	Flush (L)	Pump Count	Program/6712 Display	status/ Estimated Vol (L)	(nearest half hrs)		Grab Time	Toxicity Time	Notes Notes
3110		VI310	<u>Jtuii</u>	Dute	mic	101	(icct)	11044 (013)	<u>Jean (10)</u>		riusii (E)	count	1 Togramy 07 12 Display	Estimated Vol (E)	nun maj	111110	<u> </u>		Grab bottles placed onsite. Toxicity buckets
												Replaced,							still onsite from event 1. Deployed swing
												set to zero,	Time: 15 min/500mlx35, program	n Installed labelled					arm. Disabled liquid detector and calibrated
ME-SCR	3	1	WBC	12/9/2022	1235	PST	No contact	NA	NA	4	4L Distilled	41,505	disabled	bottle, lid off.					to 500 ml
																			Could not raise swing arm due to debris
ME-SCR	3	2	EM,SM,MD	12/11/2022	0741	PST	6.394	NA	NA	6	2L Distilled	339,944	Program done	17.5L		0741	0825	0825	making arm too heavy

NR: Not recorded

All times are recorded here in PST

Forecast Rain: Forecasts 1-2" coast/valleys and 2-5" mountains over a 12-24 hour period Actual Rainfall: 1.18" at ME-SCR NPDES monitoring station, ~3-5" in upper SCR watershec Storm Control: Bill Carey

Sample Tracking:

Chemistry and bacteria samples to Weck Laboratories, Inc. (via Weck-provided courier) 12/11/2022 @ 09:25 PST to Hector Sanchez by Kelly Hah:

Meters:

SCR (EM,SM,MD): YSI Ecosense pH100A #JC04476, YSI 85 # 05E1126

					Arrival	PST/	Flowmeter Level	Flowmeter	Outside	Fridge T		Pump		Comp bottle status/	Comp Duration (nearest	Comp	Grah	Toxicity	,
Site	Event	Visit	Staff	Date	Time		(feet)	Flow (cfs)	Staff (ft)	<u>°C</u>	Flush (L)	Count	Program/6712 Display	Estimated Vol (L)				Time	<u>Notes</u>
ME-CC ME-CC	4 4	1 2	DW WBC,JB	2/22/2023 2/24/2023	1449 1145	PST PST	1.166 2.141	NA NA	1.16 2.15	Turned on 2	4L Distilled		Flow: 1 pulse/500mlx35, program disabled Sample 2 after 1 pulse	n Installed labelled bottle, lid off. 0.5L			1145		Placed grab bottles onsite. Changed pump tubing? Programmed suction line to 93' to get 490 ml sample
ME-CC	4	3	EM,SM	2/25/2023	0621	PST	5.815	NA	6	4	2L Distilled	1.190.372	Program done	Completely full		0625			Turned off 6712 and fridge. Propped fridge open
ME-SCR ME-SCR	4	1 2	SC WBC,JB	2/22/2023	1100	PST	7.915 NR	NA NA	NA NA	5. Turned colder	4L Distilled	344,609	Time: 40 min/500mlx35, program disabled Sample 14. Enabled liquid detector and programmed 22 additional samples				0935		Placed grab bottles onsite. Lowered swing arm.
ME-SCR	4	3	KH,DW	2/25/2023	0534	PST	12.656	NA	NA	2	Clogged	647,317	Program done. Errors have occurred.	16.5L		0534			Could not flush with distilled water. Tried but pump was struggling. Likely a kink or buried intake line. Could not raise swing arm due to water and sediment level. Turned off 6712. All lights off.
ME-VR2	4	1	SC	2/22/2023	1440	PST	5.107	NA	NA	0	4L Distilled	Reset to 0	Flow: 1 pulse/500mlx35, program disabled Pulled grab to confirm pump function. Resumed sample	n Installed labelled bottle, lid off.					Placed grab bottles onsite. Changed pump tube.
ME-VR2	4	2	WBC,JB	2/24/2023	1045	PST	6.164	NA	NA ~7 (~12' revised	4			program Program done. Errors have	2L			1045		Electrical conduit broken at house Turned 6712 off. Tried to collect one more composite aliquot but no liquid sampled. HWM ~ 9ft on staff gauge = 14' revised
ME-VR2	4	3	SC,LL	2/25/2023	0654	PST	9.621	NA	gauge)	0	2L Distilled	400,986	occurred.	9L		0658			staff gauge
MO-CAM MO-CAM MO-CAM	4	1 2 3	DW EM,SM EM,SM	2/22/2023 2/24/2023 2/25/2023	1048 0556 0535	PST PST PST	0.033 0.0044 0.395	10 11 51	0 0 NR	Turned on 4 3	4L Distilled 2L Distilled	NR 286,500	Flow: 1 pulse/500mlx35, program disabled Program disabled	n Installed labelled bottle, lid off. 5L		0540	0610		Placed grab bottles onsite. Turned off 6712 and fridge. Propped fridge open
MO-FIL MO-FIL MO-FIL	4 4 4	1 2 3	DL,DP SC,LL KH,DW	2/22/2023 2/24/2023 2/25/2023	1235 0857 0640	PST PST PST	2.093 2.944 3.766	NA NA NA		Turned on 3	4L Distilled 2L Distilled	368,820 518,326	Time: 40 min/500mlx35, program disabled Sample 14 in 1:48 Program done	n Installed labelled bottle, lid off. 6.5L		0640	0910		Placed grab bottles onsite. Turned off 6712 and fridge. Propped fridge open
MO-HUE MO-HUE MO-HUE	4 4 4	1 2 3	SC DL,DW SC,LL	2/22/2023 2/24/2023 2/25/2023	1550 0815 0752	PST PST PST	NA NA NA	NA NA NA		2 1 1	4L Distilled 2L Distilled	321,890 475,959	Time: 40 min/500mlx35, program disabled Sample 13 in 26:49 Program done	n Installed labelled bottle, lid off. 5.5L 18.5L		0756	0830		Placed grab bottles onsite. Turned off 6712
MO-MEI MO-MEI	4 4	1 2	SC DL,DW	2/22/2023 2/24/2023	1350 0700	PST PST	0.08 0.494	1 41	0 0.35	4	4L Distilled	161,726	Flow: 1 pulse/500mlx35, program disabled Sample 9 after 1 pulse	bottle, lid off. 5L			0715		Placed grab bottles onsite. Turned off 6712 and fridge. Propped fridge
MO-MEI MO-MPK MO-MPK		1 2	DW EM,SM	2/25/2023 2/22/2023 2/24/2023	1136 0846	PST PST PST	0.08 0.265	0.2 5.6	0.4	Turned on 1	2L Distilled 4L Distilled	233,859	Program done Flow: 1 pulse/500mlx35, program disabled Sample 7 after 1 pulse	Overfull Installed labelled bottle, lid off. 2L		0627	0900		Placed grab bottles onsite. Added ice to fridge.
МО-МРК	4	3	EM,SM	2/25/2023	0754	PST	0.219	3.9	0.15	1	2L Distilled	422,545	Program done	16.5L		0755			Turned off 6712. Shoveled ice out of fridge. Propped fridge open, pulled drain.

																_	
													Flow: 1 pulse/500mlx35, prograr	m Installed labelled			
MO-OJA	4	1	SC	2/22/2023	1310	PST	0.097		0	2	4L Distilled	152,476		bottle, lid off.			Placed grab bottles onsite.
MO-OJA	4	2	DL,DW	2/24/2023	0615	PST	0.262	18	0.25	-1			Sample 5 after 1 pulse	2L		0630	
MO-OJA	4	3	SC,LL	2/25/2023	0558	PST		35	0.6	2	2L Distilled	241,983	Program done	16L	0600		Turned off 6712
										Turned			Flow: 1 pulse/500mlx35, prograr	m Installed labelled			
MO-OXN	4	1	DL,DP	2/22/2023	1039	PST	0.111	0.2	Drv	on	4L Distilled	276,521	disabled	bottle, lid off.			Placed grab bottles onsite.
IVIO OXIV	-	-	01,01	2/22/2023	1033	131	0.111	0.2	Diy	011	4E DISCINCO	270,321	disabled	bottle, ild oii.			r laced grab bottles offsite.
																	2105 crashed while programming remotely
																	and did not respond remotely or via direct
																	connect for programming. Disconnected
				2/24/2022	4700	B.C.T.							Switched to time paced: 40				6712 from 2105/4230 and programmed
MO-OXN MO-OXN	4	2	KH,DL SC,LL	2/24/2023 2/24/2023	1700 0609	PST PST	0.4	7.9		4			min/500mlx35, program disabled Sample 8 in 28:45	a 3.5L		0615	time paced.
IVIO-OXIV	4	3	3C,LL	2/24/2023	0009	F31	0.4	7.5		4			Sample o III 20.43	5.5L		0013	Turned off 6712 and fridge. Propped fridge
MO-OXN	4	4	KH,DW	2/25/2023	0740	PST	0.467	5.7	0.43	2	2L Distilled	408,754	Program done	18.5L	0740		open
140 6114			DW	2/22/2022	1210	рст	0.45	2		Turned	AL Distilled		Flow: 1 pulse/500mlx35, program				Diagonal annia in adding a spile
MO-SIM MO-SIM	4	1 2	DW EM,SM	2/22/2023 2/24/2023	1218 0756	PST PST	0.15 0.77	2 71		on 3	4L Distilled		disabled Sample 9 after 1 pulse	bottle, lid off. 4L		0805	Placed grab bottles onsite.
IVIO-3IIVI	4	2	EIVI, SIVI	2/24/2023	0/30	F31	0.77	/1		3			Sample 9 after 1 pulse	4L		0803	Turned off 6712 and fridge. Propped fridge
MO-SIM	4	3	EM,SM	2/25/2023	0730	PST	0.988	110	1	4	2L Distilled	295,181	Program done	16.5L	0730		open
										Turned			Flow: 1 pulse/500mlx35, program				
MO-SPA	4	1	DL,DP	2/22/2023	1203	PST	NA	NA	No flow	on	4L Distilled	317,575	disabled	bottle, lid off.			Placed grab bottles onsite.
MO-SPA	4	2	SC,LL	2/24/2023	0816	PST	NA	NA	Flowing	0			Sample 12 after 1 pulse	4.5L		0830	Turned off 6712 and fridge. Propped fridge
MO-SPA	4	3	KH,DW	2/25/2023	0705	PST	NA	NA	Flowing	4	2L Distilled	470,430	Program done	14L	0705		open
			,	_,,					- 0			,	Flow: 140 pulse, (1000 CF in				
													2150)/500mlx35, program	Installed labelled			Checked grab volume = 475 ml. Placed grab
MO-THO	4	1	DW	2/22/2023	1305	PST	2.068	1	2.08	4	4L Distilled	NR	disabled	bottle, lid off.			bottles onsite.
MO-THO	4	2	EM,SM	2/24/2023	0707	PST	3.393	60	3.5	3			Sample 10 after 74 pulses	5.5L		0715	
																	Missed samples 11-17 due to tube
													Flow: 300 pulse, (1000 CF in				misalignment with bottle after grab sample visit. Reprogrammed for 26 samples at
мо-тно	4	3	EM,SM	2/24/2023	NR	PST							2150)/500mlx35. 26 samples.				300K pacing.
MO-THO	4	4	EM,SM	2/25/2023	0655	PST	4.186	108	4	5	2L Distilled	570,538	Program done	17.5L	0700		HWM 8'. Turned off 6712
										Turned			Flow: 1 pulse/500mlx35, program				
MO-VEN	4	1	DL,DP	2/22/2023	1121	PST	0.049	1	Dry	on	4L Distilled	205,266	disabled	bottle, lid off.			Placed grab bottles onsite.
MO VEN	4	2	SC II	2/24/2022	0724	DCT	ND	-	0.4	3			Program disabled, errors have occurred.			0740	
MO-VEN	4	2	SC,LL	2/24/2023	0724	PST	NR	5	0.4	3			Program done, errors have			0740	Turned off 6712 and fridge. Propped fridge
MO-VEN	4	3	KH,DW	2/25/2023	0810	PST	0.684	50	0.68	2	2L Distilled	300.441	occurred	18.5L	0810		open
	•		,	,,								,					<u> </u>

NR: Not recorded
All times are recorded here in PST
Forecast Rain: (NWS) 2-4" coasts and valleys, 3-6" foothills and mountains. Snow down to ~1500
Actual Rainfall: ~2-6" across county
Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA: 02/24/2023 @ 09:13 PST (OJA/MEI/HUE) by David Laak 02/24/2023 @ 09:55 PST (SPA/FIL/OXN/VEN) by Landon Lujar 02/24/2023 @ 10:25 PST (CAM/THO/SIM/MPK) by Emily McCord 02/24/2023 @ 12:30 PST (CC/WR2/SCR) by Jon Bridgemar

Toxicity samples to Aquatic Bioassay and Consulting Laboratories, Inc.: 02/24/2023 @ 12:05 PST (RW-LC1) by Sawyer Carman

Meters:

CAM/MPK/SIM/THO (EM,SM): YSI Ecosense pH100A # JC04180, YSI 85 # 05E1126 OJA/MEI/HUE (DL,DW): Beckman 255 # 2151, YSI 85 # 03D0375

OXN/VEN/FIL/SPA (SC,LL): Rincon-supplied pH meter (HANNA Combo pH and EC waterproof meter (HI98130) #06170292101), YSI 85 # 01G062 CC/SCR/VR2 (WBC,JB): NR

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier): 02/25/2023 @ 10:50 PST (All sampled grabs and composites) to Chris Cleofas (Essential Couriers) by Kelly Hah:

							Flowmeter							Comp bottle	Comp Duration				
					Arrival	PST/	Level	Flowmeter	Outside	Fridge T		Pump		status/	(nearest	Comp G	rab To	oxicity	
Site	Event	Visit	Staff	Date	Time	PDT	(feet)	Flow (cfs)	Staff (ft)	°C	Flush (L)	Count	Program/6712 Display	Estimated Vol (L)	half hrs)	Time Ti	me	Time	Notes
																		S۱	witched intake from swing arm to line
													Time: 40 min/500mlx35, progra	ım Installed labelled				b	ehind trash rack. Calibrated volume =150
ME-SCR	1	1	KH	3/9/2023	1015	PST	8.562	NA	NA	4	4L Distilled	688,117	disabled	bottle, lid off.				m	nl .
ME-SCR	1	2	DL,KH	3/10/2023	0807	PST	8.658	NA	NA	4			Sample 9 in 19:30	5.5L		0	815		
ME-SCR	1	3	SC,LL	3/11/2023	0719	PST	8.394	NA	NA	3	2L Distilled	928,920	Program done	>19L		0725		Ti	urned off 6712 and lights

NR: Not recorded
All times are recorded here in PST
Forecast Rain: (NWS) 1-2", Fox mostly <0.1"
Actual Rainfall: ~1.5-2" across the county. ~1.6" at ME-SCR

Storm Control: Kelly Hahs

Sample Tracking:

Bacteria samples to VCHCA: 03/10/2023 @ 09:17 (SCR) by David Laak

Toxicity samples to Aquatic Bioassay and Consulting Laboratories, Inc.: 03/10/2023 @ 11:15 (RW-LC1) by David Laak

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier (Reliable Messenger Service)) 03/11/2023 @ 07:50 (SCR) by Landon Lujar

Meters:

SCR (KH,DL): Beckman 255 # 2554, YSI 85 #03D0379

							Flowmeter								Comp Duration				
					Arrival	PST/	Level	Flowmeter	Outside	Fridge T		Pump		Comp bottle status/	(nearest		Grab	Toxicity	
Site	Event	Visit	Staff	Date	Time	PDT	(feet)	Flow (cfs)	Staff (ft)	°C	Flush (L)	Count	Program/6712 Display	Estimated Vol (L)	half hrs)			Time	<u>Notes</u>
										Turned			Time: 40 min/500mlx35. Sample						Changed pump tube, reset counts to 0.
ME-CC	6	1	KH,WBC	5/15/2023	1050	PDT	1.281	NA	NR	on	4L Distilled	0	2 in 00:36	bottle, lid off.				NA	Calibrated line. Desiccant purple. Turned off fridge and 6712 and propped
ME-CC	6	2	KH,WBC	5/16/2023	1100	PDT	1.198	NA		2	2L Distilled	391,899	Program done	16	22.5	1105	1105	NA	fridge open.
				., .,								,							ů .
														Installed labelled					UWCD flushing sediment via sluice gate
ME-SCR	6	1	KH,WBC	5/17/2023	0940	PDT	1.66	NA	NA	0	4L Distilled	96,949	10:30 WE 17-MAY	bottle, lid off.				NA	M,W,F, ~0700-1000. Lowered swing arm.
ME-SCR	6	2	KH,WBC	5/18/2023	0920	PDT	8.86	NA	NA	4	2L Distilled	350,953	Program done	15	20	0930	0930	NA	Changed desiccant 2105. Raised swing arm.
													Time: 40 min/500mlx35. Sample						
ME-VR2	6	1	KH,WBC	5/22/2023	0935	PDT	4.925	NA	NA	0	4L Distilled	28,868	2 in 00:36	bottle, lid off.				NA	2105 and 4230 desiccant good.
																			Comp bottle volume 10L so collected 2 more samples while onsite. Turned 6712
ME-VR2	6	2	KH,WBC	5/23/2023	0956	PDT	4.937	NA	NA	2	2L Distilled	407,677	Program done	11	24	1005	1005	NA	off
																			Installed silicone dam in channel.
										Turned			Time: 40 min/500mlx35. Sample						Connected calibration line. 4230 desiccant
MO-CAM	6	1	KH,WBC	5/15/2023	1135	PDT	0.044	11	<0.01 cfs	on	4L Distilled	296,999	2 in 00:39	bottle, lid off.				NA	orange-green
													Program done. Errors have						
													occurred. No more liquid or no						
													liquid detected samples 8-15, 17-						
													Reprogrammed 5-min pacing for 3 samples to collect pooled						Removed silicone dam from channel. Reconnected main intake. Turned off fridge
MO-CAM	6	2	KH,WBC	5/16/2023	1130	PDT	0.033	10	<0.01 cfs	2	2L Distilled	399,297	water while onsite.	16	24	1135	1150	NA	and 6712 and propped fridge open.
		-	iiii, ii be	3/10/2023	1100		0.000	10		Turned	EL Distincu	333,237	Time: 40 min/500mlx35. Sample			1100	1130		Cleared out area around intake. Chaged
MO-FIL	6	1	KH,WBC	5/17/2023	0850	PDT	1.596	NA	-	on	4L Distilled	525,550	2 in 00:37	bottle, lid off.				NA	4230 desiccant
																			T
MO-FIL	6	2	KH,WBC	5/18/2023	0825	PDT	1.592	NA		-1	2L Distilled	676,551	Program done	18.5	24	0830	0830	NA	Turned off fridge and 6712 and propped fridge open. 2105 desiccant orange
WIO-IIL	- 0		KII,WBC	3/10/2023	0023	FDI	1.332	INA			ZL Distilled	070,331	Time: 40 min/500mlx35. Sample		24	0830	0830	INA	mage open. 2103 desiceant orange
MO-HUE	6	1	KH,WBC	5/22/2023	1025	PDT	NA	NA	-	0	4L Distilled	482,302		bottle, lid off.				NA	
MO-HUE	6	2	KH,WBC	5/23/2023	1055	PDT	NA	NA	-	1	2L Distilled	637,117	Program done	19	24	1100	1100	NA	Turned 6712 off
									****	Turned			Time: 40 min/500mlx35. Sample	المعاملا المعاملا					Installed calibration line. Installed silicone
MO-MEI	6	1	KH,WBC	5/22/2023	0900	PDT	0.077	1	<toe; <0.5 cfs</toe; 	on	4L Distilled	239.756	2 in 00:39	bottle, lid off.				NA	dam in channel. Changed 2105 desiccant
			,	, ,										,					Reconnected main intake. Removed
										_									silicone dam from channel. Turned off
MO-MEI	6	2	KH,WBC	5/23/2023	0915	PDT	0.078	1	<0.1 cfs	2	2L Distilled	313,398	Program done	20	24	0920	0920	NA	fridge (propped open) and 6712.
																			Delayed start to aim for evening irrigation
																			flow. 4230 desiccant half purple half pink.
										Turned			Time: 20 min/500mlx35. Start @						Installed silicone dam in channel and
MO-MPK	6	1	KH,WBC	5/15/2023	0845	PDT	0.072	0.2	DRY	to 1	4L Distilled	430,127	19:00 MO 15-MAY.	bottle, lid off.				NA	connected calibration line.
													Program done. Reprogrammed						
мо-мрк	6	2	KH,WBC	5/16/2023	0830	PDT	0.072	0.1	<0.01 cfs	1			27 samples every 2 minutes.	4L			0840		
													Program done. Errors have						Reconnected main intake. Turned off fridge
MO-MPK	6	3	KH,WBC	5/16/2023	0950	PDT	0.074	0.2	<0.01 cfs	2	2L Distilled	746,652	occurred	17		0950		NA	and 6712.
									<toe< td=""><td></td><td></td><td></td><td>Time: 40 min/500mlx35. Sample</td><td>Installed labelled</td><td></td><td></td><td></td><td></td><td>Connected calibration line. Installed silicone dam in channel. 4230 needs</td></toe<>				Time: 40 min/500mlx35. Sample	Installed labelled					Connected calibration line. Installed silicone dam in channel. 4230 needs
MO-OJA	6	1	KH,WBC	5/22/2023	0830	PDT	0.126	7	~1 cfs	2	4L Distilled	247,506	2 in 00:38	bottle, lid off.				NA	desiccant
																			Intake strainer washed out of dam overnight and stopped being in contact
																			with water for all samples after 27.
																			Programmed one more sample while
																			onsite. Switched back to main intake and
MO-OJA	6	2	KH,WBC	5/23/2023	0830	PDT	0.13	7	<toe< td=""><td>2</td><td>2L Distilled</td><td>349,799</td><td>Program done</td><td>14</td><td></td><td>0835</td><td>0835</td><td>NA</td><td>removed silicone dam.</td></toe<>	2	2L Distilled	349,799	Program done	14		0835	0835	NA	removed silicone dam.
MO-OXN	6	1	KH,WBC	5/17/2023	1030	PDT	0.11	0.3	DRY	Turned on	4L Distilled	6,463	Time: 30 min/500mlx35 start at 15:30.	Installed labelled bottle, lid off.				NΔ	Installed silicone dam in channel
IVIO-OXIV	U	1	KII, WUDC	3/11/2023	1020	FDI	0.11	0.5	DIVI	OII	45 Distilled	0,403	15.50.	bottle, ilu oii.				IVA	mistanca sincone dani in chamiei

MO-OXN	6	2	KH,WBC	5/18/2023	1010	PDT	0.110	0.3	DRY	-4	2L Distilled	6,463	Program done. Errors have occurred	DRY. Recapped and removed.	DRY	DRY	NA	Removed silicone dam from channel. Replaced 2105 desiccant. Turned 6712 off.
MO-SIM	6	1	KH,WBC	5/15/2023 5/16/2023	0935 0910	PDT PDT	0.165 0.172	3	<toe @toe</toe 	Turned on 2	4L Distilled 2L Distilled	302,889 376,746	Time: 40 min/500mlx35. Sample 2 in 00:39 Program done	Installed labelled bottle, lid off. 17.5	0915	0915	NA NA	Changed 4230 desiccant. Installed calibration line. Reconnected main intake. Turned off fridge and 6712.
MO-SPA	6	1 2	KH,WBC KH,WBC	5/17/2023 5/18/2023	0820 0805	PDT PDT	NA NA	NA NA	DRY DRY	Turned on NR	4L Distilled 2L Distilled	576,501 576,501	Time: 2 min/500mlx35 Program disabled	Installed labelled bottle, lid off. DRY. Recapped and removed.	DRY	DRY	NA NA	No discharges in last week. Programmed to enable with sampleable flow. Turned off fridge and 6712 and propped fridge open.
MO-THO MO-THO	6 6	1 2	KH,WBC KH,WBC	5/15/2023 5/16/2023		PDT PDT	2.136 2.147	1 1	NR NR	3 2	4L Distilled 2L Distilled	575,970 738,447	Time: 40 min/500mlx35. Sample 2 in 00:38 Program done	Installed labelled bottle, lid off. 18.5	1025	1025	NA NA	Turned 6712 off
MO-VEN	6	1	KH,WBC	5/17/2023	1105	PDT	0.043	1	~0.1cfs	Turned fridge on	4L Distilled	307,413	Time: 40 min/500mlx35. Sample 2 in 00:38	Installed labelled bottle, lid off.			NA	Replaced 2105 and 4230 desiccant. Installed silicone dam in channel. High stage is due to backup from dam placed in channel for sampling and not high flow. Turned off fridge and 6712 and propped fridge open. Removed silicone
MO-VEN	6	2	KH,WBC	5/18/2023	1035	PDT	0.112	2	<0.1 cfs	2	2L Distilled	400,627	Program done	20	1040	1040	NA	dam from channel.

NR: Not recorded All times are recorded here in PDT Forecast Rain: NA Actual Rainfall: NA Storm Control: NA

Sample Tracking:

Bacteria samples to VCHCA:

5/16/2023 @ 12:21 PDT (CC/CAM/MPK/SIM/THO) by Kelly Hahs to William Schwartz 5/18/2023 @ 11:22 PDT (SCR/FIL/VEN) by Kelly Hahs to William Schwartz 5/23/2023 @ 11:30 PDT (VR2/OJA/MEI/HUE) by Kelly Hahs to William Schwartz

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier): 5/16/2023 @ 12:45 PDT (CC/CAM/MPK/SIM/THO) by Kelly Hahs to Magaly S 5/18/2023 @ 13:05 PDT (SCR/FIL/VEN) by William Carey to Magaly S 5/23/2023 @ 13:55 PDT (WRZ/OJA/MEI/HUE) by William Carey to Carla Dominguez

Meters:

All sites (KH,WBC): Beckman 255 #2554, YSI 85 # 03D0379

Appendix E. Chain-of Custody Forms



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season Bacteriological - VCHCA Lab (SIDE 1 of 1)

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)		Number of Bottles	NOTES
	MO-OJA	11/8/22-1325	X	X		1	110125
	MO-MEI	11/8/22 . 1115	X	X		1	
	MO-HUE	11/8/22 . 935	Х	X		1	
	FIELD BLANK	Woelzonz @ 1375					
	ME-VRZ	11/8/22. 1650					Separate drop-off
		h =					
linquished	Printed Name	Sawyel Co	im	hu	100		
	Signature Affiliation	Rincon	I	Date/Time \(\frac{1}{2}\)	18/20	. ·	15-10
seived-	Printed Name	WILLIAM SCHWA	200	_			737-
	Signature	Fullium Acti					
	Affiliation	VCPHL VCPHL	1	Date/Time	11/08/71	177	@ (510
ner Notes:	Perform bacteriologic	al analyses within 6 hours o		-	1	2	1750
	1:10 1:100, and 1:1000		1 Saiii	pic conection i	une +		



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season

Bacteriological - VCHCA Lab (SIDE 1 of 1)

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX	E. coli (Tray Method - WQ IDEXX)			Number of Bottles	NOTES
	MO-OXN	11-8-22/11:00	X	X			1	110 125
	MO-VEN	11-8-2/13:50	X	X			1	
	MO-SPA	11-8-22/8:25	X	X			1	
	MO-FIL	11-8-22/9150	X	X			1	
linquished	Printed Name Signature	Jan McCa				1 1	- /	
	Affiliation	CSNTRACTO2			ime <u>t</u>	8.2	2/13	2:09 /2:26
ceived	Printed Name	NILLIAM SCHWA						
	Signature	1 2 3	lue	My		1		
	Affiliation	VCPHL (1	bate/T	ime	10017	000	12:09 NS
ner Notes:	Danfaru I	al analyses within 6 hours o	_	1 11		9	14:301	10



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season Bacteriological - VCHCA Lab (SIDE 1 of 1)

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX	E. coli (Tray Method - WQ IDEXX)			Number of Bottles	NOTES
	MO-CAM	11/08/22/1035	Х	X			1	1,0120
	MO-MPK	11/08/22/1920	Х	Х			1	
	MO-SIM	11 08/22/1320	Х	Х			1	
	мо-тно	11/08/22/1200	Х	Х			1	
	FD-1	11/08/22/1035	×	*			Pre	
elinquished	Printed Name	Emily A	ALI	Suc &				
	Signature	Con re	2	ez				
	Affiliation	_ fincon		Date/7	ime	11/	81	2055
eceived	Printed Name	WILLIAM SCHLWA	RT	2				
	Signature	Toulling Nel	w	offe	-			
	Affiliation	VCPHL		Date/T	ime /	1/08	12012	@ 1605

Attachment A Appendix E

Ventura Countywide Stormwater Quality Page AF 403
Management Program 2022/23 Annual Monitoring Report



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season

Bacteriological - VCHCA Lab (SIDE 1 of 1)

Sampling Date: Sampling Team	7,11	ank + Lars Z	- waar	Proje	burg	er: 2022/	23-1 ((Wet)
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)			Number of Bottles	NOTES
	ME-VR2		Y	х			1	
	ME-CC	11/8/22 16:00	X	X			1	
	MF_SCR	11	X	X			1	
	1011							
					1	11		
		1					L	
Relinquished	Printed Name	David Lac	K					
	Signature	1. De	2	/				
	Affiliation	VCWPD	-9	Date	/Time	1/8/2	2	17:02
Received	Printed Name	WILLIAM SCHV	VART	2				
	Signature	Twilliener.	Act	w	with	7		
	Affiliation	VCPHL /			/Time	11/08	3/2	1002 @ 170Z
Other Notes:	Perform bacteriologic	cal analyses within 6 hours	of san	aple o	collection t	ime		
	1:10 1:100, and 1:100	0 dilutions for E. coli						



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE20-007)

Toxicity - ABC Laboratories
Project P6010561

Sampling Date: Sampling Team:	(1/8/20) Savepl (-	o ra	, D	to fix		ect Polide 1 o Proje	f 1 ct Nur		2022	1/23-1 (Wet)
SAMPLE ID ME-CC	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (Atherinops affinis)	Chronic toxicity - inland silverside (Menidia beryllina)	Chronic toxicity - giant kelp (Macrocystis pyrifera)	Chronic toxicity - purple sea urchin (Strongylocentrotus purpuratus)	Chronic toxicity - fathead minnow (Pimephales promelas)	Chronic toxicity - daphnid (Ceriodaphnia dubia)	Chronic toxicity - green alga (Raphidocelis subcapitata)	Number of 5-Gallon Buckets	NOTES
ME-SCR		X							2	Note 1, Note 2, Note 3
ME-VR2	1119/22 11/10				X				1	Note 1, Note 2, Note 3
10-0]A	1118/22-1650	X							2	Note 1, Note 2, Note 3
IO-MEI	111/12 1325					X			2	Note 1, Note 2, Note 3
IO-HUE	11/3/23 ASS			_		X			2	Note 1, Note 2, Note 3
			-	-			X		3	Note 1, Note 2, Note 3,Note 4
				+	+	-	-	_	_	
eeived j	Printed Name Signature Affiliation Printed Name Signature Affiliation Note 1: Dilutions - 6.25%	1000 1000 1000 1000 1000 1000 1000 100		<i>t</i> -	Da	ate/Tin		11/2		7440

Received

Ventura Countywide Stormwater Quality
Management Program 2022/23 Annual Monitoring Report



AFF: Mally AB Attachment A Appendix E

11/8/22



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE20-007)

Toxicity - ABC Laboratories Project P6010561

Side 1 of 1

Sampling Date: Sampling Team:	11-8-2022 1M+1K				_	Project	t Numl	oer: <u>20</u> 2	22/2	23-1 (Wet)
SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (Atherinops affinis)	Chronic toxicity - inland silverside (Menidia beryllina)	Chronic toxicity - giant kelp (Macrocystis pyrifera)	Chronic toxicity - purple sea urchin (Strongylocentrotus purpuratus)	Chronic toxicity - fathead minnow (Pimephales promelas)	Chronic toxicity - daphnid (Ceriodaphnia dubia)	Chronic toxicity - green alga (Raphidocelis subcapitata)	Number of 5-Gallon Buckets	NOTES
MO-OXN	11-8-22/11:00					Х			2	Note 1, Note 2, Note 3
MO-SPA	1 3 - 1					Х			2	Note 1, Note 2, Note 3
MO-VEN	11-3-22/13:50						X	u i	2	Note 1, Note 2, Note 3
MO-FIL	11-8-22/9-50						X		2	Note 1, Note 2, Note 3
MO-CAM						Х			2	Note 1, Note 2, Note 3
MO-THO							Х		2	Note 1, Note 2, Note 3
MO-SIM							Х		2	Note 1, Note 2, Note 3
MO-MPK								Х	2	Note 1, Note 2, Note 3
Relinquished	Signature	A M	1		A	Date/	Tin	1.8-	20	22 /12:37 /2:45
Received	Printed Name	80 1	Mos	la C				-		VM 2:45
	Signature	6- 7	Jan .	200				4		
	Affiliation	C AB	5		_	Date/	Tir_/	1. 1.	2.3	1237
Other Notes:	Note 1: Dilutions - 6.25%	⁄o, 12.5°	%, 25%	50%,	100%	Not	e 2: Ple	ease exe	cute	e TIE if mortality > 50%
	Note 3: Notify District v	vithin 2	4 hour	s if sigr	nificant	toxicit	y is ob	served.		
	Note 4: If salinity >2 pp	t then a	lso run	topsm	elt for	compa	rison. l	lf topsr	nelt	unavailable, use Hyalella



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE20-007)

Toxicity - ABC Laboratories Project P6010561

Side 1 of 1

Sampling Date: Sampling Team:	Emily McCore	1 4	m	Aris	_		t Numl	_	22/2	23-1 (Wet)
SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (Atherinops affinis)	Chronic toxicity - inland silverside (Menidia beryllina)	Chronic toxicity - giant kelp (Macrocystis pyrifera)	Chronic toxicity - purple sea urchin (Strongylocentrotus purpuratus)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (Ceriodaphnia dubia)	Chronic toxicity - green alga (Raphidocelis subcapitata)	Number of 5-Gallon Buckets	NOTES
MO-OXN		-			-	-X		y		-Note 1, Note 2, Note 3
MO-SPA		-	45.11		+	-X-		,p1	2	Note 1, Note 2, Note 3
MO-VEN						,	X		2-	Note 1, Note 2, Note 3
MO-FIL	1	_					-X-		2-	Note 1, Note 2, Note 3
MO-CAM	11/03/22 1005					X			2	Note 1, Note 2, Note 3
40-THO	11/08/22 1200						Х		2	Note 1, Note 2, Note 3
MO-SIM	11/08/22 1320						X		2	Note 1, Note 2, Note 3
MO-MPK	11/08/22 1920							X	2	Note 1, Note 2, Note 3
Relinquished	Printed Name May Signature Affiliation Riveo	2		2-	,-		Tim_	108	12	Q 8 1700
Received	Printed Name Vistoria Signature Affiliation ABA	tor 1	Your BS	en D		Date/"	Tin	1108	12	1700
ther Notes:	Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50% Note 3: Notify District within 24 hours if significant toxicity is observed. Note 4: If salinity >2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use Hyalella									



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE20-007)

Toxicity - ABC Laboratories Project P6010561

Side 1 of 1

Relinquished Printed Name Signature Affiliation Printed Name Signature Affiliation Date/Tirr Da	Sampling Date: Sampling Team:	Daviel La	g K	4	-ars	_			oer: 202		23-1 (Wet)
ME-CC Note 1, Note 2, Note 3 Note 1, Note 3 Note 1, Note 2, Note 3 Note 1, Note 4 Note 1, Note 3 Note 1, Note 4 N	SAMPLE ID		Chronic toxicity - topsmelt (Atherinops affinis)	Chronic toxicity - inland silverside (Menidia beryllina)	Chronic toxicity - giant kelp (Macrocystis pyrifera)	Chronic toxicity - purple sea urchin (Strongylocentrotus purpuratus)	Chronic toxicity - fathead minnow (Pimephales promelas)	Chronic toxicity - daphnid (Ceriodaphnia dubia)	Chronic toxicity - green alga (Raphidocelis subcapitata)	Number of 5-Gallon Buckets	NOTES
Printed Name Signature Affiliation Printed Name Signature Affiliation Date/Tim Date/	√E-CC	11/8/22 16:10) F		
Printed Name Signature Affiliation Printed Name Signature Affiliation Affiliation Date/Tir 1/8/22 17:50 Printed Name Signature Affiliation Date/Tir 1/8/22 17:50 Printed Name Signature Affiliation Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%	ME-SCR		St		~	X				_1_	Note 1, Note 2, Note 3
Printed Name Signature Affiliation Printed Name Signature Affiliation Date/Tin 1/8/22 17:50 Printed Name Signature Affiliation Date/Tin 1/8/22 17:50 Date/Tin 1/8/22 17:50	III-VR2		_X_	_	_		-			2	Note 1, Note 2, Note 3
elinquished Printed Name Signature Affiliation Printed Name Signature Affiliation Date/Tirr Date/Tirr Date/Tirr Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%	10-0ja						Х			2	Note 1, Note 2, Note 3
elinquished Printed Name Signature Affiliation Printed Name Signature Affiliation Date/Tim 1/8/22 17:50 Printed Name Signature Affiliation Date/Tim 1/8/22 17:50 Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%	AQ-MEI						Х			2	Note 1, Note 2, Note 3
Signature Affiliation Printed Name Signature Affiliation Date/Tirr Date/Tirr Date/Tirr Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%	10-HUE							X		3	Note 1, Note 2, Note 3, Note 4
Printed Name Signature Affiliation Date/Tirr Date 2: Please execute TIE if mortality > 50%	elinquished	Signature	vig	1	yaa	4	Data	7:	11 /	0/	17:50
, , , , , , , , , , , , , , , , , , ,	.eceived	Printed Name Signature	LAE	Acriga Mga/ ST	e. e.				11811	12	1790
Note 3: Notify District within 24 hours if significant toxicity is observed. Note 4: If salinity >2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use Hyalella	ther Notes:	Note 3: Notify District v	within 2	24 hour	s if sign	nificant	toxicit	y is ob	served.		



Chain of Custody Record Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE20-007) Most Sensitive Species Testing - Toxicity - ABC Laboratories NPDES Stormwater Monitoring Program

Side 1 of 1

Project P6010506

Sampling Date: Sampling Team:

Lank Alars Zu

Project Number: 2022/23-1 (Wet)

		- navend		towicit.	ficant	if sign	stilod !	ithin 24	3: Notify District within 24 hours if significant toxicity is observed	Note 3: Notif	
50%. TIE may be needed.		hal eff	sublet	thal or	75 if le	658-43	ıs 805-	elly Hal	e contact K	Note 2: Please contact Kelly Hahs 805-658-4375 if lethal or sublethal effect >	4
					100%.	, 50%,	6, 25%	6, 12.5%	ons - 6.25%	Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100%	Other Notes:
1750	123	11/8	Time	Date/Time	Į.		1	1 1/63	BAC	Affiliation	
							150	53	The	Signature	
						1.23	1014	1 30	4.24A	Printed Name	Received
22 17:50	100	E	Time	Date/Time	Į.		D	cul	~	Affiliation	
			4	NA	1	X	1	1		Signature	
	l f				T	1.00	-	<	0,	Printed Name	Relinquished
Note 1, Not Note : Note 4	J			1000	New York	The state of the s				The state of the s	
						V	V	V			ME VR2
Note 1, Note 2, Note 3, Note 4	Samo		1	Charles .	TO WASHINGTON	X	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Ow	X	The second	TOWN THE PERSON NAMED IN	WHECO
Note 1, Note 2, Note 3, Note 4	S				×	×	×	×	15:00	22/8/11	RW-LC1
Note 1, Note 2, Note 3, Note 4	3	X	X	X		Name of Street	STEPHENS .	opening.	1240		MANAGE
NOTES	Number of 5-Gallon Buckets	Chronic toxicity - Strongylocentrotus purpuratus (purple sea urchin)	Chronic toxicity - Macrocystis pyrifera (giant kelp)	Chronic toxicity - Atherinops affinis (topsmelt)	Chronic toxicity - Chironomus dilutus (midge)	Chronic toxicity - <i>Hyalella azteca</i> (Amphipod)	Chronic toxicity - Ceriodaphnia dubia (daphnid)	Chronic toxicity - Pimephales promelas (fathead minnow)	TIME	DATE/TIME COLLECTED	SAMPLE ID



Project: Ventura County Watershed Protection District NPDES Stormwater Wet Season (Contract AE17-001) NPDES Stormwater Monitoring Program Grabs - Weck Laboratories (SIDE 2 of 2)

Attachment A Appendix E

Sampling Date:

Sampling Team:

SC) DV

124812

1

FOW WOI Project Number: 2022/23-1 (Wet) Grabs

MO-FIL MO-SIM Other Notes: Received Relinquished FB-1 MO-SPA MO-HUE MO-MPK MO-THO SAMPLE ¥ IJ Signature 11/8/22 Travel blanks are only to be analyzed if samples have hits of MTBE or 2-CLEVE Affiliation Signature Printed Name Affiliation Printed Name Malan 11/8/22 11/8/22 Webs 124/8/11 11/8/22 DATE/TIME COLLECTED 3 913 22.20 1420 875 1320 3225 1200 WILLIAM William VCWPD いけどか 11/9/22 Oil & Grease (EPA 1664A) - \vdash \vdash Cyanide (ASTM D7511) S S S S ശ Ś W GRO (LUFT GC/MS) CAREY MTBE & 2CLEVE (EPA 624.1) Ç Ç S S ပ လ ပ Travel Blanks (EPA 624.1)-only analyze if hits Date/Time Date/Time 11-9-22 Child Jamo <u>.</u> **_** ھ Ω ھ **_**@ ₽ Number of Bottles 1520 blanks. volume permits (all test Lab to select samples MS/MSD where extra methods) excluding travel HOW, WITH ر در HOW, MOH SG EW. WO \(\frac{1}{2}\) B 3 3 NOTES 28, 10,08 SO: 62 ਠ੍ਹ

Ventura Countywide Stormwater Quality Management Program 2022/23 Annual Monitoring Report



Sample Receipt Checklist

Sample Re	PM C	Sample I	Preserva	ation Verific	ation?			Receipt Information	COC	WECK
Sample Receipt Checklist Prepared by: Signature: Lever Abad	PM Comments	O&G pH <2 verified? pH adjusted for O&G Project Manager notified?	Free Chlorine Tested <0.1	pH verified upon receipt? Metals <2; H2SO4 pres tests <2; 522<4; TOC <2; 525.2<2; 6710B<2; 608.3 5-9	VOC Headspace: (No) none, If Yes (See comment) 524.2, 524.3, 624.1, 8260, 1666 P/T, LUFT	Sample labels checked for correct preservation?	Project Manager notified?	Sample Temperature Samples received on ice? Ice Type (Blue/Wet) All samples intact? Samples in proper containers? Sufficient sample volume? Samples intact? Received within holding time?	COC present at receipt? COC properly completed? COC matches sample labels? Project Manager notified?	WECK LABORATORIES, INC. Weck WKO: WKO Logged by: Lester Abad Samples Checked by: Lester Abad
d by:				; 522<4; TOC <2; 525.2<2;	es (See comment) P/T, LUFT	ect preservation?				
						\boxtimes		⊠ ⊠ ⊠ ⊠		ž
								2.8°C WET		Date/
Date:			\boxtimes							Date/Time Received: # of Samples: Delivered by:
11/09/22 Ventura	tywide Storm Program 202	PH paper Lot# Acid Lot# Amt added: nwater Quality 22/23 Annual Moritori	Cl Test Strip Lot# 061221E Re	рН paper Lot# 2071882	□ <6mm/Pea size?	Page	: AE - 1:	2		11/09/22 @ 18:03 32 Client Comments A Appendix tachment



2409037

Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (*Contract AE17-001*)
Composites - Weck Laboratories (SIDE 1 of 2)

Sampling Date:	11/9/	22_							. 1	Proje	ect N	Jum	ber:	202	2/23	3-1 (Wet) Composites
Sampling Team:	DL, DW	, EM	,5V	<u> </u>	K	H	, T.	Σ									***************************************
	рате/т	IME			NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	9-	D, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, (300.0), Phenolics	Phosphorus-P Total & Dissolved	625.1-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.4-Herb 547-Glyphosate, 608.3-CTR	525.2 Reg+507, 625-OPP	DRO/ORO (EPA 8015D)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
SAMPLE ID	COLLEC	TED			-		Cr+6	вор,									NOTES
ME-CC	11/9/22	0910			X	X	Χ	X	χ,	X	X	X	X	Х	X	1	EMJSM
ME-SCR.	11/4/2-					Y	X	X	X	-X-	X.	X.	X.	X	X	1	Insufficient flow
ME-VR2	11/9/22	1030				Х	X	X	X	X	X	X	Χ	Χ	X	1	KH, JJ
MO-CAM	11/9/22	094D				Х	X	Χ	Χ	Χ	X	Χ	Χ	X	Х	1	EM, SM
МО-ОЈА	11/9/22	0915				Х	X	X	Х	X	X	X	Х	X	X	1	KH, 33
MO-MEI	11/9/22	0946				Χ	Χ	X	Х	Х	Χ	X.	Х	Χ	Χ	1	KH, 35
MO-VEN	11/9/22	1200				Χ	X	X	Χ	Χ	X	Χ	Х	Χ	X	1	KH,JJ
Relinquished	Printed Name	. w:	1 LL	1AE	^	c	A	RE	'								
	Signature	ι	vil	lin	4	(رس	·Un	_								
	Affiliation		N	سے	P (<u> </u>				Dat	e/T	ime		1-	9-	22	1520
Received	Printed Name	·	16	Ux	<u></u>	6	-5	A	1	<u> </u>	>						
	Signature		9	2													
	Affiliation	j	70	S				••••••		Dat	e/T	ime	((_ 0	7-	27	2/1520
Other Notes:	1) Filter for d	issolved r	metal	s and	l pe	rfor	m c	ondi	ıctiv	ity a	naly	ses i	mme	ediat	ely.		
																epoi	ting limits are important).
All times PS	T																s š
														7	\CM	M	mn 11/9/2 19:03

2409037

Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (*Contract AE17-001*)

Composites - Weck Laboratories (SIDE 2 of 2)

Sampling Date:	11/8/22	<u>- +1</u>	1/9/	122			_						2/2:	3-1 (Wet) Composites
Sampling Team:	EM, MOH	, DI	<u>_, c</u>	W	, E	M	Sv	<u>v</u> ,	<u> </u> C	H ,	22				
E Carlo					l only)										Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg
•					Barium (total				* 5						Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)
				1 1	K	TOC	Phenolics		Phenol	8			Cond		608 include alpha- & gamma-chlordane
	·				dissolved (+ Hardness),	BOD, COD, MBAS, TKN, Ammonia, TOC	Cl, F, (300.0),	Total & Dissolved	625.1-CTR, 8270SIM-PAH, 8270SIM-Phenols	515.4-Herb 547-Glyphosate, 608.3-CTR	625-OPP	(EPA 8015D)	TSS, VSS,	Bottles	* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra
• ,	DATE/TIM				als, total &	D, COD, M	NO3+NO2 (353.2),	Phosphorus-P Total	.1-CTR, 827	4-Herb 547	525.2 Reg+507, 625-OPP	DRO/ORO (E	ALK, CLO4, Turb, TDS,	Number of Bot	volume permits (all test methods)
SAMPLE ID	COLLECTE				Metals,	BOI	0 Z	Pho	625	515.4	525.	DRC	ALK	Z	NOTES
IO-SPA	11/9/22 10:	40			X X	X	X	Х	Χ	X	Х	X	X	1	DL, DW
O-FIL	11/9/22 11:1	O			X, X	X	X	X	X	X	Х	Х	Х	1	OLIDIN
O-SIM	119/22 105	50			X X	X	X	X	X	X	Х	X	Х	1	EM, SM
O-MPK	11/8/22 15	00			X X	X	X	Х	Χ	X	X	Х	Х	1	EM, MOH
Ю-ТНО	11/9/22 11	20			X X	\mathbf{X}	X	X	X	X	X	X	X	1	EMJSM
O-OXN	11/9/22 09	45			X X	X	X	X	X	X	X	X	X	1	DL. DW
IO-HUE	11/9/22 11	20			X X	X	X	Х	X	Х	X	Х	Х	1	K4,55
							<u> </u>			<u> </u>	<u> </u>		<u> </u>		
elinquished	Printed Name _	极		<u>~</u>	IL	LIA				EY					
	Signature		<u> </u>	sil	in	ጣ		N						<u>.</u>	
	Affiliation _	· V	cwi	PD			-	Dat	e/T	ime		11-	-q.	- 22	1520
eceived	Printed Name	5	16	VE	6	()	40	16	0						
	Signature	\leq	e C					•							
	Affiliation _	D'	(<u> </u>			-	Dat	e/T	ime	j	.1-	9-	- 2	22 1520
other Notes:	1) Filter for disso	lved me	etals ar	nd per	form	cond	uctiv	ity a	naly	ses i	mme	ediat	ely.		
														epoi	ting limits are important).
															JG 1119122



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (*Contract AE17-001*)
Equipment - Weck Laboratories

Sampling Date:	11/9/22				Project :	Number	: 2022/23-1 (Wet) Cleaning				
Sampling Team:	KH			····	······································						
	EQUIPMENT		Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required		NOTES				
18.5 L wide neck o							Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.				
20 L narrow neck of silicone stopper	carboy and lid (+as	sembly) or	14		*						
Blue cube cooler					14						
Grey bucket							Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.				
Black bottle bag					11						
Bottle harness					3						
Relinquished	Printed Name Signature	WILLIAM		AREY							
	Affiliation	vento		200	Date/T	ime l	1-9-22 /1520				
Received	Printed Name STEVE CLSMY() Signature Sl Affiliation DCS Date/Time 11-9-72-1520										
Other Notes:			*************************************								

Page AE - 15



Chain of Custody Record Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season

Sampling Tea	e: 12/2/20 m: Adem Se	chs, Sanger Ce.	1		ject Numl	vel (Dur	tuo
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WO IDEXX	E. coli (Tray Method - WQ IDEXX)			Number of Bottles	NOTIFIC
91	MO-OXN	12/2/22 .0100	X	X			1	NOTES
	MO-VEN	12/2/22 - 0200	X	X	*		1	the second
	MO-SPA POLITICO	12/2/22 04/00	Х	X	Dini*		1	
	MO-FIL	12/2/22 . 0255	Х	X	V		1	1
								, and the second
				+			\Box	4
			+	-			H	
,				+		++		
Relinquished	Printed Name	Sangel Car	nai		-		4 1	
	Signature	SE	-					
	Affiliation	Rinum	I	Date/'	Time 1	2/2/2	2	0630
eceived	Printed Name	WILLIAM SCHWAR				, ,		
	Signature	William Adams		-				
	Affiliation	VCPHL /	-/-	/	Time	1/02/2	022	@ 0630
ther Notes:	Perform bacteriological	l analyses within 6 hours of						
1	1:10 1:100, and 1:1000	dilutions for E. coli						



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season

Sampling Date:		022	_					2022	2/23	3-2 (Wet)	78.115
Sampling Team:	Emily Mu	boll & Shamo		P	00(ήs			_			8
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)						Number of Bottles	for	NOTES
	MO-OJA	12/2/2022 0440	X	X	73					1		SM, EM
10°C	MO-MEI	12/2/2022 0340	X	Х			. 0.5			1		SM, EM
	MO-HUE	12/21/2022 0120	X	X						1		SM, FM
	FD-1	12/2/2022 0120	×	×						I	(HUE)	SM FM
A	FB-1	12/2/2022 0120	×	×							1	SM, EM
Relinquished	Printed Name Signature	Emily A	116	e	A							
Pagairrad	Affiliation	Rincon		Date	e/Ti	me .	1,	21	2/	2	022	0645
Received	Printed Name Signature Affiliation	WILL SCHWARI William Ach	WZ	Date	/	me _	12	150	2/2	202	z @0	145
Other Notes:	Perform bacteriologica	l analyses within 6 hours o	f san	ple	colle	ctio	n tim	ie				
	1:10 1:100, and 1:1000	dilutions for E. coli										



Ventura County Watershed Protection District

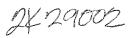
NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season

Sampling Date:		nn, L. Wien	- -		ect Nu	mber:	2022,	/23-	2 (Wei	t)
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX	E. coli (Tray Method - WQ IDEXX)					Number of bottles	NOTES
	MO-CAM	12/2/20615	X	Х					1	NOTES
	MO-MPK	12/2/20405	Х	X					1	
	MO-SIM	12/2/20315	X,	X					1	
	МО-ТНО	12/2/20510	X	X					r I	k
		8								
										7.5
linquished	Printed Name Signature Affiliation	Jon Bridge)		Time					0703
ceived	Printed Name	WILLIAM SCHIN					12.	/-		2703
	Signature Affiliation	VCPHL ACM			Time	12,	1021	200	i i	@ 0708
er Notes:	Perform bacteriologic	al analyses within 6 hours of	Sam	ple c	ollectio	n time	6			



Chain of Custody Record Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season

Sampling Date: Sampling Team:	DLAKC	12/2/2022	-	Pro	ject l	Nun	nber:	2022	2/23	-2 (Wet)
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX))-H			Number of Bottles	NOTES
	ME-VR2	142/22 0600	X	X						1	
	ME-CC	12/2/22 10:40	X	X						1	
	ME-SCR	12/2/22 07.40	X	X						1	(4)
						,					
		++									
							*				,
,											
			157					1	1		
			153						1		
Relinquished	Printed Name	n //								_	
remiquisneu		David Load	7								
	Signature Affiliation	VCWPD		Det	e/Tir		-	12/	1	0.30 -4	7 1/10
					e/ 1H	ne _		12/2	40	OC	2 11:10
Received	Printed Name	WILLIAM SCHWA			-		-			-	
	Signature	william Adu	1	75							0
	Affiliation	VCPHL	_ (Date	/Tin	ne _	12	102	120	52	201110
Other Notes:	Perform bacteriologic	al analyses within 6 hours of	of sam	ple o	collec	ction	n tim	.e			
	1:10 1:100, and 1:1000	dilutions for E. coli									





Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 1 of 2)

Sampling Date:	12/2/22							Proj	ect l	Vum	ber:	202	2/23	5-2 (Wet) Grabs
Sampling Team:	DL, KC, SM, EM														
SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (LUFT GC/MS)	MTBE & 2CLEVE (EPA 624.1)	===								Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
ME-CC	142/2/040	1	1	2	3	1								8	DL, KC
ME-SCR	14/2/22 0740	_1_	-1	-2-	-3-	1			Martin P. T. Addin.					-8-	DL, KC CANGRICAS 17/3/20 DL, KC CANGRICAS 17/3/20 DL, KC
ME-VR2	142/22 0600	1	1	2	3	1								8	OL,KC
MO-HUE	12/2/2022 0120	1	1	2	3	1								8	SM, EM
МО-ОЈА	12/2/2022 0440	1	1	2	3	1	· 							8	SM, EM
MO-MEI	12/2/2022 0340	1	1	2	3	1								8	SM.EM
FB-1	12/2/2022 0120	1	1	2	3	1								8	SM. EM
FD-1	12/2/2022 0120	1	1	2	3	1								8	HUE
Relinquished	Printed Name WILLIAM B. CAREY Signature William B. Carry Affiliation VCWPD Date/Time 12/2/22 / 1500														
Received	Printed Name Signature LOSS DCS														
	Affiliation							Dat	e/T	ime		2	- 2		23-15-0
Other Notes:	Travel blanks are only to	be a	naly	zed	if sa	mple	s ha	ive h	its o	f M	ГВЕ	or 2	2-CL	EVI	Ξ)
	FOH	<i>f</i>	U Kadenaczne	9	'a Name	ę.	D	26	a			12	. 2	6	12 15:00



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 2 of 2)

Sampling Date:	12/2/2															Wet) Grabs
Sampling Team:	Sawyu	Cas r	مرسد	1	A	Je.	m	<u>5~</u>	ch	<u> </u>	MI	jve	» l	Qu	im.	jero
SAMPLE ID	DATE/TIM COLLECTE		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (LUFT GC/MS)	MTBE & 2CLEVE (EPA 624.1)	Travel Blanks (EPA 624.1)-only analyze if hits								Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
MO-SPA	12/2/22 07	155	1	1	2	3	1								8	
MO-FIL	12/2/22 · 02 12/2/22 · 02	400	1	1	2	3	1	·							8	SC, AS, MOS 6 bittles SC, AS (6 bittles) SC; AS (6 bottles)
MO-OXN	12/2/22 . 0	OD	1	1	2	3	1								8	SCIAS (6 bottles)
MO-VEN	12/2/22 . 02	200	1	1	2	3	1								8	54, AS (6 bottles)
MO-CAM	12/2 06		2	1	2	3	1								10	The (6 Contes)
MO-SIM	12/2 03	5	1	1	2	3	1								8	JB. LL (6 BAMUS)
МО-ТНО	12/2 05	10	1	1	2	3	1								8	JB 11 (6 Bootle)
МО-МРК	12/2 04	105	1	1	2	3	1								8	JB, u la Bouls)
						<u> </u>										
Relinquished	Printed Name	W21	رد"	IA	M	В	_ (CA	RE	Υ						
	Signature	Wil				<u>B.</u>	C		y							·
	Affiliation	<u> </u>	Cu	V P	Δ				Dat	e/Ti	ime		۲ - :	2-2	2/	1500
Received	Printed Name	<u>\os</u>	<u> ک</u>	`		D	<u>C</u>	2								
	Signature		<u> </u>											ı		
	Affiliation								Dat	e/Ti	ime		12		<u> </u>	- 22 - 130
Other Notes:	Travel blanks are o	only to	be a	naly	zed	if sa	mple	s ha	ve h	its o	f M.	ГВЕ	or 2	2-CL	EVE	· E)
\																



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (*Contract AE17-001*)
Composites - Weck Laboratories (SIDE 1 of 2)

Sampling Date:	12/2/22	Project Number: 2022/23-2 (Wet) Composites														
Sampling Team:	WBC, SM, EM	1														***************************************
SAMPLE ID	DATE/TIME COLLECTED			NO3-N, Total Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, (300.0), Phenolics	Phosphorus-P Total & Dissolved	625.1-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.4-Herb 547-Glyphosate, 608.3-CTR	525.2 Reg+507, 625-OPP	DRO/ORO (EPA 8015D)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
ME-CC				Х	X	Х	X		X	Х	X	X	X	X	1	
ME-SCR					X	X	X	Х	X	X	X	Х	Х	X	1	
ME-VR2	12/2/20930				Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1	W(
MO-OJA					Х	Х	Х	Х	Х	Χ	Х	Х	X	Χ	1	
MO-MEI					X	Х	Х	Х	Х	X	Х	Х	X	Χ	1	2 / (
MO-HUE	12/4/2022 0554				X	X	X	X	X	X	X	X	X	X	1	SMIEM
Relinquished Received	Printed Name WILLIAM B. CAREY Signature William B. Carly Affiliation Newpo Date/Time 12/2/22/1500 Printed Name Socio Description of the Signature Signature															
	Affiliation								Dat	e/T	ime	<u>Î</u>	2	_ 0	2	- 22 / 5
Other Notes:	1) Filter for dissolved i					**********										
2) Please limit diluti	ions and do not dilute lir	nite	d vo	lumo	e san	nple	s wh	en e	nact	ing [orior	nty li	st (1	ow r	epoi	rting limits are important).



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Composites - Weck Laboratories (SIDE 1 of 2)

Sampling Date:	12/3/22	-							Proje	ect N	Vum	ber:	202	2/2	32 (Wet) Composites
Sampling Team:	K-HAHS	<u>لا ا ا</u>	ATC L	N,	<u>S.</u>	ΛΛ	7 <u>6</u> (212	Ē	<u> </u>	ηι	(0/	<u>d_</u>			
SAMPLE ID ME-CC ME-SCR	DATE/TIN COLLECT 12/3/2-2 C	ED		X NO3-N, Total Chlorine Residual	K K Metals, total & dissolved (+ Hardness), & Barium (total only)	X X X X X	K X X BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, (300.0), Phenolics	Phosphorus-P Total & Dissolved		X X 515.4-Herb 547-Glyphosate, 608.3-CTR	⟩ × × 525.2 Reg+507, 625-OPP	× × × DRO/ORO (EPA 8015D)	K X ALK, CLO4, Turb, TDS, TSS, VSS, Cond		Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods) NOTES
		Water Control	ONE CONTROL	1000 2320	Y	Ą	ij.	- <u> </u>	X	71	V	V	v	Ž		
MO-OJA	12/3/22-00	50			Х	X	Х	X	Х	Х	X	Х	X	X	1	EM SM
MO-MEI	12/3/22 0	H5			X	X	X	X	Х	X	X	Х	X	X	1	EM SM
N.C.L.	11/3/22 11		piejs electrosecci	e estratulações	¥.		7.		A	17	7	X	Λ	X	isterante I	
Relinquished Received	Printed Name Signature Affiliation Printed Name Signature Affiliation	Name Hacker Suncher e Color Colo														
Other Notes:	1) Filter for diss	olved me	tals ar	nd pe	rfor	m co	ondu	ıctiv:	ity a	nalys	ses i	mme	diat	elv.		
															epor	ting limits are important).
			i													

Relinguesh: Haur Sanch

Ventura Countywide Stormwater Quality

Management Program 2022/23 Annual Monitoring Report

12/12 4.PC

Attachment A Appendix E

Prolection

Chain of Custody Record

2102028

Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season (Contract AE17-001)

Equipment - Weck Laboratories

Sampling Date:	12-2-22				Project l	Number	: 2022/23-2 (Wet) Cleaning
Sampling Team:	<u>uBc</u>						
1 0			Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	required		
	EQUIPMENT		Clean with	Clean with methanol*	No action required		NOTES
-18.5 L wide neck	carboy and lid-						Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
20 L narrow neck silicone stopper	carboy and lid (+as:	sembly) or	10				
Blue cube cooler					10		
Grey bucke t				·			Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Black bottle bag					7		
Bottle harness					3		
Relinquished	Printed Name Signature	William	· 2:		4		
	Affiliation	vens	<u> </u>		Date/T	ime	12-2-22/1500
Received	Printed Name	<u>165-e</u>	¥.	D C	<u> 2 </u>	····	
	Signature Affiliation	de_			Date/T	ime ,	12-2-32 75:00
Other Notes:					***************************************		
		70	/	3.2	, , , , , , , , , , , , , , , , , , ,	m	9 12-2-22 15:00



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (<u>Contract AE17-001</u>)
Equipment - Weck Laboratories

Sampling Date: Sampling Team:	12/3/22 K. HALS				Project	Number	: 2022/23-1 (Wet) Cleaning 10-12
1 8			1	T	1		
	EQUIPMENT		Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required		NOTES
18.5 L wide neck							Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
20 L narrow neck silicone stopper	carboy and lid (+as	ssembly) or	4				
Blue cube cooler				,	4		
Grey bucket							Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Black bottle bag					나		
Bottle harness					•		
	TI-V-2-3-7-TI-V-3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	·					
Relinquished	Printed Name Signature Affiliation	KELLY	HF S s VCW		Date/T	ime	12/3/22 0923
Received	Printed Name	Nav	Liv	De	MN	ner	
	Signature Affiliation	War CALL	1. K.	ζ	Date/T	ime	12/3/22 1923
Other Notes:		Wutt	· (1) -				101000
. 2.22							
		. — .					

Ventura Countywide Stormwater Quality

Ventura Countywide Stormwater Quality

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Management Program 2022/23 Annual Monitoring Report

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Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE20-007)

Toxicity - ABC Laboratories Project P6010561

Side 1 of 1 12/11/27 Sampling Date: Project Number: 2022/23-3 (Wet) De Hoyos, Shannon Sampling Team: EMILY Chronic toxicity - inland silverside (Menidia Chronic toxicity - green alga (Raphidocelis Chronic toxicity - giant kelp (Macrocystis Chronic toxicity - daphnid (Ceriodaphnia Chronic toxicity - topsmelt (Atherinops Chronic toxicity - purple sea urchin Chronic toxicity - fathead minnow (Strongylocentrotus purpuratus) Number of 5-Gallon Buckets (Pimephales promelas) subcapitata) pyrifera) dubia) DATE/TIME **SAMPLE ID** COLLECTED **NOTES** ME-SCR X 2/11/22 9:25 AM Note 1, Note 2, Note 3 rine (mg/L) HAHS/WILLIAM CAREY Relinquished Printed Name Signature 12/12/22 12/11 122 NEWPD Affiliation Date/Tim Received CHARIS SAMIA Printed Name Signature 12/12/22 Affiliation Date/Tim Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50% Note 3: Notify District within 24 hours if significant toxicity is observed.



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 1 of 1)

Sampling Date: Sampling Team:	Marissa DeHoyas	Shan	nin	Line	Project 1	Number:	2022/23	-3 (W	Vet) Grabs
	DATE/TIME	Oil & Grease (EPA 1664A) Cyanide (ASTM D7511) GRO (LIFT GC/MS)	PA 624.1)	nits	x100, x1000 dilutions)			Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
SAMPLE ID ME-SCR	COLLECTED	1 1 2		T L	0 ×			9	NOTES SM, EM, MD
elinquished	Signature 6	MAS	199	1			101		
ceived	Affiliation Printed Name	color	NA		1	Time _	(21	11/2	
	Signature WEC	KVAT	ک خ			Time _			-22/0925
	Travel blanks are only to *Please perform Colil								
Allegi									



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)
Composites - Weck Laboratories (SIDE 1 of 1)

- Total	ng Team	Manssa	Detto	105,	Sh	an	no	h	-	Mo	mi	5.	F	m	i h	1	Wet) Composite
SAMPLI ME-SCR	E ID	DATE/TIM COLLECTE	E			Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	× NO3+NO2 (353.2), Cl, F, (300.0), Phenolics	X Phosphorus-P Total & Dissolved	SIM-Phenols *	X 515.4-Herb 547-Glyphosate, 608.3-CTR	t	× DRO/ORO (EPA 8015D)	X ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
elinquished	Sig Af Pri	inted Name gnature filiation nted Name nature	KEL KOLL	LY H	1500	I ALL SECTION S	AF	+5	he	2	/Tim			2/2	111	12	2/0925



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season

Sampling Date:	2/24/2023		_		t Number: 2	2022/23-4	(Wet)
Sampling Team:	Enily Mell	od ¿ shame	M	no	rn's		
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)		Number of Bottlee	NOTES
	MO-CAM 0610	2/24	X	X		1	
	MO-MPK 6700	2/24	X	X		1	The syll with the side of
	MO-SIM 0805	2/24	X	X		1	
	мо-тно 07/5	2/24	X	X		1	
	7.						
Relinquished	Printed Name Signature Affiliation	Enily Moloc Freen		Date/1	Гime	2124/	2023 1025
	Printed Name Signature Affiliation	WILLIAM SCHW VCPHL	roth	T Date/T	Time	124/2	013 1075
Other Notes:	Perform bacteriologica	al analyses within 6 hours	of sam	ple col	llection time		
	1:10 1:100, and 1:1000	dilutions for E. coli					



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season

LAB USE ONLY	2.29.23 WB(/JB	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	ect Number	2022/1	Number of Bottles	NOTES
	ME-VR2	2.24.23/1045	X	X			1	
	ME-CC	2.24.23/1145	X	X			1	
	ME-SCR	2.24.23/1145	X	X			1	
·								
elinquished	Printed Name Signature Affiliation	Jon Brid MS-g Rincon	gu		/Time 2.	24 \$23		1230
eceived	Printed Name Signature Affiliation	WILLIAM SCHW Northern Acres	ARI	Z OV				
ther Notes:		al analyses within 6 hours o						
	1:10 1:100, and 1:1000	dilutions for E. coli						



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season Bacteriological - VCHCA Lab (SIDE 1 of 1)

2/24/23 Sampling Date: Project Number: 2022/23-4 (Wet) Sampling Team: LANDON SAWYER CARMAN Total Coliform (Tray Method - WQ IDEXX (Tray Method - WQ IDEXX Number of Bottles coli LAB USE DATE/TIME SAMPLE ID **ONLY COLLECTED NOTES** MO-OXN X 2/24/25 @ 0615 X 1 MO-VEN 2/24/23 20740 X X 1 MO-SPA 2/24/23 @ 0830 X X 1 MO-FIL 2/24/23 @ 0910 X X 1 Relinquished Printed Name Signature Affiliation Date/Time 1/14/23 Received Printed Name Signature Affiliation Date/Time Other Notes: Perform bacteriological analyses within 6 hours of sample collection time 1:10 1:100, and 1:1000 dilutions for E. coli



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season Bacteriological - VCHCA Lab (SIDE 1 of 1)

Sampling Date: Sampling Team	, , , ,	k + Dean Wilkin			ect Nu	mber	: 2022/	23-4 ((Wet)
LAB USE		DATE/TIME	Total Coliform (Tray Method - WQ IDEXX)	coli (Tray Method - WQ IDEXX)				Number of Bottles	
ONLY	MO-OJA	2/24/23 06130	X	X	+	+		Ž 1	NOTES
	MO-MEI	2/24/23 06:30	X	X		+		1	04/0W
	MO-HUE	1/24/23 09:30	X	X	*		4)	1	01/0W
	19	2/27/25 03170	•		-	+			10 C/0 W
			H						
			H					+	
			\vdash	-	+	+	H		
	1		H	-	+	+		+	
Relinquished	Printed Name	David Lank							
-	Signature	417							
	Affiliation	VCWPD		Date	:/Time	9	2/24	/23	09:13
Received	Printed Name	WILLIAM SCHWAT	R. 17.				1 "		
	Signature	william Ach		nt					
	Affiliation	VICPHIL.	_		/Time	_ 0	2124	171	03 59:13
Other Notes:	Perform bacteriologi	cal analyses within 6 hours o							
		00 dilutions for E. coli							

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Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 1 of 2)

Sampling Date:	2-24-23						_	Proje	ect N	Jum	ber:	2022	2/23	-4 (Wet) Grabs
Sampling Team:	W8C, J8, DL,		/					\$							
· ·						e if this	24.1	É	>	•					Lab to select samples for MS/MSD where extra
SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (LUFT GC/MS)	MIDE & 2CLEVE (EPR 6944)	Travel Dinne (GPA (241) only annly	MTBE + 2CLEVE (EPA 624.	2.1						Number of Bottles	volume permits (all test methods) excluding travel blanks.
ME-CC	1/24/23 1145	1	1	2										4	WBC & JB
ME-SCR	2/24/23 0935	1	1	2	8	9	3	1					(爾	WBC & JB
ME-VR2	2/24/23 1045	1	1	2										4	WBC & JB
MO-HUE	2/24/23 08:30	1	1	2										4	DL+DW
МО-ОЈА	2/24/23 06:30	1	1	2										4	OL+DW
MO-MEI	2/24/23 07:15	1	1	2										4	DL+DW
				ļ											
					<u></u>										
					<u> </u>										,
Relinquished	Printed Name	EL	LY		<u> </u>	11	>				~				
	Signature	<u> </u>	14	15											
	Affiliation \(\sigma \sqrt{\lambda}\)	W	PD		<u>i</u>		-	Date	e/Ti	me		2/	25,	23	1050
Received	Printed Name (Wy)	SY/	Cir	olt	MS_										
	Signature	1/	<u> </u>								•	************			
	Affiliation ESSE	4th	al				-	Date	e/Ti	me	_2	125	1	23	
Other Notes:	Travel blanks are only to	be a	ınaly	zed	if sa	mple	es ha	ve hi	ts of	f M.	ſΒE	<i>i</i> or 2-	-CL	EVE)
			1-				,								
	6/1/1/	$ J_i $	7	1	J2/	/75°] /v:	7		2.5	071	7-1	w6	201	ő

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Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 2 of 2)

Sampling Date:	2-24-23	-	_		_	-		,			-			vel) Glabs
Sampling Team:	LANDON LYAN, S.	wy	er	CAR	MAL	-, EN	11 1	y M	110	21)	51	JAw	20.	~ MORRIS
SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (LUFT GC/MS)			松下、日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	なるのでして はなりのでは さい					Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
MO-SPA	2/21/23 0830	1	1	2						1			4	LL+SC
MO-FIL	2/24/23 0910	1	1	2			4	*				- 1	4	LL+SC
MO-OXN	2/24/23 0615	1	1	2									4	LL +SC.
MO-VEN	424/23 0740	1	1	2						1			4	LL + SC
MO-CAM	2/24/23 0610	1	1	2									4	EM & SM
MO-SIM	2/24/23 0805	1	1	2								1	4	EM & SM
мо-тно	2/24/23 0715		1	2									4	EM & SM
MO-MPK	2/24/23 0900	1	1	2		7							4	EM & SM
11 1 1 1 1 P														
Relinquished	Signature		JIK!	46	74	AH		Date/7	Time	A	21	25	12:	3 1050
Received	Printed Name Signature Affiliation	s (1	1	15						2/20	1		
Other Notes:					11/2	1		200			1	N. VA	144	



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Composites - Weck Laboratories (SIDE 1 of 2)

Sampling Date:	2/2	5/23					_		roje	ct N	umb	oer:	2022	2/25	-4 (V	vet) Composites
Sampling Team:	KH	, OW : EN	1,5	Mo	L	L,5	C	-	_		_	_	_	_	_	
SAMPLE ID	D	ATE/TIME OLLECTED			al Chlorine Residual	Metals, total & dissolved (+ Hardness), & Barium (total omy) C+6	, COD, MBAS, TKN, Ammonia, TOC	S	Phosphorus-P Total & Dissolved	625.1-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.4-Herb 547-Glyphosate, 608.3-CTR	525.2 Reg+507, 625-OPP	DRO/ORO (EPA 8015D)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
ME-CC		1/23 0625		_	_	XX	-0.00	X	X	X	X	X		X	1	EM, SM
ME-SCR		0534				XX	X	X	X	X	X	X	X	X	1	KHOW
ME-VR2		0658				X X	X	X	X	X	X	X	X	X	1	LL, SC
MO-OJA		0600				X X	X	X	X	X	X	X	X	X	1	LL, SC
MO-MEI		0627				X X	X	X	X	X	X	X	X	X	1	LL, SC
MO-HUE	1	1 0756				X 2	X	X	X	X	X	X	X	X	1	LL, SC
Relinquished	Sign	ature	KE	21	大大	PH PH	At	15	Da	ate/T	Гime		2/	125	5/2	3/1050
Received		nature	Mis	1	He	ofa	(1
	Aff	iliation 3	5581	to	1				Da	ate/	Time	e	21	25	12:	?



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Composites - Weck Laboratories (SIDE 2 of 2)

Sampling Date: Sampling Team:	2/25/	DW, E	M	51	n-	L	4	50		roje	ect P	vum	Der:	202.	4/4)-4 (wet) Composites
SAMPLE ID	DATI	E/TIME LECTED				Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, (300.0), Phenolics	Phosphorus-P Total & Dissolved	625.1-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.4-Herb 547-Glyphosate, 608.3-CTR	525.2 Reg+507, 625-OPP	DRO/ORO (EPA 8015D)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
MO-SPA		0705		1		X	X	X	X	X		X	X		X	1	KH,DW
MO-FIL		0640		100		X	X	X	X	X	X	X	X	X	X	1	KH, DW
MO-OXN		0740				X	X	X	X	X	X	X	X	X	X	1	KH, DW
MO-VEN		0810				X	X	X	X	X	X	X	X	X	X	1	KH, DW
MO-CAM		0540			9	X	X	X	X	X	X	X	X	X	X	1	Ey Su
MO-SIM		0730				X	X	X	X	X	X	X	X	X	X	1	EN, SM
MO-MPK		0755		-		X	X	X	X	X	X	X	X	X	X	1	EM, SM
MO-THO	V	0700				X	X	X	X	X	X	X	X	X	X	1	EMIM
Relinquished Received	Printed N Signature Affiliation Printed N Signature Affiliation	lame K	oly os	上後くしくま	de les	HI Geres)	S		100	te/T	100	W.	2/2	12:	5/2	23/1090
Od N			1000	1	-	ouf-		00.1					Te	odia	tale		
Other Notes: 2) Please limit dilut		or dissolved	_		_			_		_	_	_			_	repo	rting limits are important).



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)			Number of Bottles	NOTES
	ME-SCR	3/10/23 08:15	X	X			1	DLAKH
				=	+	+		
			H					
							+++	
							+	
						+		
elinquished	Printed Name	David Loud	-					
	Signature	11	7	_				
	Affiliation	VCWPD]	Date/7	Гіте	3/10	1/202	23 09:17
eceived	Printed Name	MILLIAM SCHWAR	亿			•	,	
	Signature	William Ach	w	torte	2			
	Affiliation	VCPAL /	1	Date/I	ime	08/10	1200	3 09 17
ther Notes:	Perform bacteriologic	al analyses within 6 hours o	f sam	ple col	lection t	ime		
	1:10 1:100, and 1:1000	dilutions for E. coli						



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 1 of 1)

Sampling Date: Sampling Team:	3/10/2023 David Lagh	CA	K	ella	, H	4	Projec	t Nu	mber	r: <u>202</u>	2/2	3-5 (Wet) Grabs
CAMPLE	DATE/TIME	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (LUFT GC/MS)	MTBE & 2CLEVE (EPA 624.1)	Travel Blanks (EPA 624.1)-only analyze if hits	Total Coliform and E. coli (Colilert)* (x10, x100, x1000 dilutions)					Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
SAMPLE ID ME-SCR	COLLECTED	1	1	1 20	M	Tr	T _o		-	H		Ž 54	NOTES
	3/10/23 08:15	1		3				+				-4	DL+KH
Partie								-					
					1								
Relinquished	Printed Name	200	1.	~ A ~	J								THE VEHICLE OF
emiquisired	Signature Signature	2	_	-			1						
	Affiliation /2,001	on					Date/	Time	3	/11/2	_3	2	0756
eceived	Printed Name	(-	-	. h.						
	Signature	Fair			-	,4	7/115						
	Affiliation Was	X-L	4	35	-		Date/	Time		3/	11/	23	0750
ther Notes:	Travel blanks are only to	be as	nalva	ed i	fean	nles							
and I toles.	*Please perform Coli												
				, , ,			,,						

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WENTURA COUNTY

Chain of Custody Record

Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE17-001)

Composites - Weck Laboratories (SIDE 1 of 1)

Sampling Date:	3	111/23	>						Proj	ect l	Vum	ber:	202	2/2	3-5 (Wet) Composite
Sampling Team:		S. Cov	mo	n +	L.	Lü	jav									
SAMPLE ID ME-SCR	DATE/COLLE				⋈ Metals, total & dissolved (+ Hardness), & Barium (total only)	X Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	X NO3+NO2 (353.2), Cl, F, (300.0), Phenolics	X Phosphorus-P Total & Dissolved	K 625.1-CTR, 8270SIM-PAH, 8270SIM-Phenols *	X 515.4-Herb 547-Glyphosate, 608.3-CTR	X 525.2 Reg+507, 625-OPP	× DRO/ORO (EPA 8015D)	X ALK, CLO4, Turb, TDS, TSS, VSS, Cond	→ Number of Bottles	Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
		1														
Relinquished	Printed Nar Signature Affiliation	ne LA	100	1/2	Lys	×~	,		Dat	re/T	ime	3/	11/	23	a	0750
Received	Printed Nan	ne	+8	cto	- :	50	an	0	19	-						
	Signature	4	6	2					10							
	Affiliation	WE	ال	421	3-	-			Dat	e/T	ime		3	-1	1-	23/0750
Other Notes:	1) Filter for	dissolved r	meta	ls and p	erfor	m co	ondu	ictiv	itv a	nalv	ses i	mm	edia	telv.		
												-		-		



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Dry Event

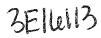
Sampling Date:				Pro	ect .	Nur	nber	: 202:	2/23	-6 (1	Dry) CCW
Sampling Team	W.B. CAR	EY K. HAHS									
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)						Number of Bottles	NOTES
	ME-CC	5/16/23 1105	X	Х						1	
	MO-CAM	5/16/23 1135	X	X						1	
	MO-MPK	5/16/23 0840	X	X						1	
	MO-SIM	5/16/23 0915	X	X						1	
	MO-THO	5/16/23 1025	X	X						1	
									1	1	×
Relinquished	Printed Name	KELLY H	1A;	45							
1	Signature Affiliation	COLUMBS VOLUPE		Date	:/Ti	me		511	6/2	-3	/1221
Received	Printed Name	WILL SCHIMAR	TE								
	Signature	Turllicum Ac	M	170	1						
	Affiliation	VCPAL (Date	Ti	me .	0	5/1	12/2	10	23 @1721
Other Notes:	Perform bacteriologic	cal analyses within 6 hours o	f sam	ple o	olle	ctio	n tin	1e			
	1:10 1:100, and 1:100	0 dilutions for E. coli	AII	tw	es	F	rge				



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Dry Event (Contract AE17-001)
Composites - Weck Laboratories (SIDE 1 of 1)

Sampling Date:	5[16/23							Pro	oject	Nu	mbei	:: 20	22/2	 23-6	(Dry) Composites C	CW	
Sampling Team:	<u>w.e</u>	b. CAR	٤Y_	K.	H	At	15									(=1)) composites c		-
		-			al only)											Metals by200.8, Dissolved: Sb, Ag Be, Cd, Cr, Cu, Fe Se, Tl, Zn, Hg	g, Al, As,	
					& Barium (total only)					* s						Metals by 200.7, (only): Ca, Mg (f Hardness calc.)		
							a, TOC	Phenolics		-Pheno	IH.			Cond		608 include alpha gamma-chlordand		
				ne Residual	ed (+ Hardness),		KN, Ammonia	, F, (300.0), PI	Dissolved	PAH, 8270SIM	osate, 608.3-CTR		(0)	TSS, VSS,		* Same extraction low-level spike for methods: 625CTR 8270SIM-PAH, & 8270SIM-PHENOL	r 3	
				NO3-N, Total Chlorine Residual	, total & dissolved (+		BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, (300.0),	Phosphorus-P Total & Dissolved	625.1-CTR, 8270SIM-PAH, 8270SIM-Phenols	515.4-Herb 547-Glyphosate,	525.2 Reg+507, 625-OPP	DRO/ORO (EPA 8015D)	ALK, CLO4, Turb, TDS,	Number of Bottles	Lab to select samp MS/MSD where ex- volume permits (a methods)	xtra	
SAMPLE ID	DATE/T			103-N	Metals, 1	Cr+6	OD, (.03+]	qdsoq	25.1-0	5.4-H	5.2 R	RO/C	K, C	umbe			
ME-CC	5/16/23		-	X	X	X	X X	Z X	X	X	X	X 52	Q X	X		NOTES		
MO-CAM		11450		+	X	X	X	X	X	X	X	X	X	X	1	EPA 8270CS		ols and PAH le 3E16113-01,
MO-SIM	1	915		+	X	X	X	X	X	X	X	\vdash		-4	1			overy possibly
MO-MPK	5/16/23			+-	X	X	X	X	X	_	_	X	X	X	1	due to an ext		
MO-THO		025	+	+-	X	X	X	_	-	X	X	X	X	X	1	appears to be batch QC, as		ted case as the
	7/16/20 1	025	+-	+	Δ			X	Х	X	Χ	X	Χ	X	1	samples in th		
				+	\dashv			_	_			_		_		acceptable s		
	 			+	$-\downarrow$	_		_		_	[_	\perp	Sample resul		oorted with
				\perp							[qualifiersk	gt	
Relinquished	Printed Name	e KE	الماء	y 1	-M	HS											EPA 80	15B for sample
	Signature	ह्य	11.	19								-						K cancelled
	Affiliation		Ewis	30 30									-1.	. 1		7		e extract was
	TITIMAUOII .	- V	CON	,				1	Date	:/Ti	me -		5/1	<u>6 </u>	<u>23</u>			ng extraction
Received	Printed Name	· <u>Mo</u>	iga	ly !	<u>3. </u>						_							and hold time
	Signature	1111		0													expirea	to repeatkgt
	Affiliation	$-l\mathcal{U}$)écl	41	cub	5		I	Date	/Tir	ne _	5-1	6-	73		/12:45		
Other Notes:	1) Filter for di	ssolved m	etals at	nd ne	rforn	വ സ	nduc	tivit	v an	ماتود	ac in		المحما	l	Ĺ			
2) Please limit dilutio	ons and do not	dilute lim	ited vo	lume	sam	oles	whe	n en	actir	ig pi	iorit	y list	lov	w rei	oort	ing limits are importa	int).	
Alltimes PD	T															J MIPOILE		
	Countywide Signent Program	soly	2	•		2	- (6	-7	23			1	5	4 7 en- g	50		
Ventura Manage	Countywide Ši ement Program	tormwater 2022/23 A	Quality nnual I	, Monito	ofing	Rep	6rt	Pag	35°	Ē - 4°	1	16	1:1	00		23 Attachm	ent A Apper	ndix E



Chain of Custody Record

Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Dry Event (Contract AE17-001) **Equipment - Weck Laboratories**

Sampling Date: Sampling Team				Project Nu	umber: 2022/23-6 (Dry) Cleaning CCW
Γ				- <u> </u>	
	EQUIPMENT	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required	
18.5 L wide ned	ck carboy and lid	+		4	NOTES Please place tape or plastic bag over top and note on wrap
20 L narrow neo silicone stopper	k carboy and lid (+assembly) or	5			if bottle was cleaned with methanol.
Blue cube coole	r ·			5	
Grey bucket					Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Black bottle bag				4	in bottle was cleaned with methanol.
Bottle harness					
					·
Relinquished	Printed Name KELLY	HAHS			
	Signature <u>Cluf</u> Affiliation VCWFO	<u>45</u>		D-4- /Ti	5/4 les 145
Received	Printed Name	45	<u></u>	Date/Time	5/16/23/12:45
	Signature /	J			
	Affiliation Weck	1 Lab	<u> </u>	Date/Time	5-16-23 /12:45
Other Notes:	All times PDT				
	Masal 5	<u> </u>		10 -	
	ura Countywide Stormwater Quality agement Program 2022/23 Annual Moni			16-2 E-42	3 (5:50) Attachment A Appendix E



Sample Receipt Checklist

	Weck WKO:	3E16113		Date/	Time Received:	05/16/23 @ 16:00
	VKO Logged by:				# of Samples:	05
Samp	les Checked by:	Jaime Gomez			Delivered by:	RMS
	Task		Yes	No	N/A	Comments
	COC present at re	eceipt?	 ⊠		14/4	Comments
	COC properly cor		\boxtimes		_	
U	COC matches san		⊠		_	
202	o o materies sur	mpre rabelo:				
	-				_	
	Project Manager	notified?			<u> </u>	
	1				_	
	Sample Tempera	ture	2.3 °C			
_	Samples received		\boxtimes		_	
ion	Ice Type (Blue/W	et)	Wet		_	
nat	All samples intact	•			_	
örr	Samples in prope		\boxtimes		_	
Ē	Sufficient sample		\boxtimes		_	
Receipt Information	Samples intact?				_	
ece	Received within h	nolding time?			_	
~		in the same same same same same same same sam				
	Project Manager	notified?				
	170jeet Manager	notified:	اسا		⊠	
	Sample lahels che	ecked for correct preservation?	∇			
	Sumple lubels che	servation:	\boxtimes			
ر	VOC Headspace:	(No) none, If Yes (See comment)				
ion		.1, 8260, 1666 P/T, LUFT			\boxtimes	\Box <6mm/Pea size?
cat	,,	12, 0200, 2000 1 / 1 / 201 1			_	· · · · · · · · · · · · · · · · · · ·
rifi	pH verified upon	receipt?				NI noner I at# 2071002
Ve		pres tests <2; 522<4; TOC <2; 508.1,	\boxtimes			PH paper Lot# 2071882
ion	525.2<2; 6710B<2			_		
vat						
eservation Verification?	Free Chlorine Tes	ted <0.1	\boxtimes			Cl Test Strip Lot# 061221E
						TOTAL SETT PLOTTE OF THE PARTY
Sample Pr	O&G pH <2 verifie	ed?				H paper Lot#
ш	1.54					H Reading:
Sa	pH adjusted for O	&G				Acid Lot#
						Amt added:
	Project Manager	notified?				
PM Cor	nments					
Sample	Receipt Checkli	st Propared by				
		·				
Signatt	ıre: Jaime Gom	ez	<u></u>		Date:	05/17/23
					•	

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QAF-006 V1.0 12/16/2021

C:\Users\samplelogin1\Desktop\220726 Sample Receipt Checklist.docx



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Dry Event

Sampling Date	5/18/2	3		Proje	ect Number:	2022/23	-6	(Dry) SCRW
Sampling Tean	W.B. CA	REY, K. HAHS						
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)			Number of Bottles	NOTES
	ME-SCR	5/18/23 0930	X	X			1	
	MO OXN		X	X.			1	" DRY
	MO-VEN	5/18/23 1040	Х	х			1	
	MO-SPA		X	X			1	DRY
	MO-FIL	5/18/23 0830	X	X			1	
Relinquished	Printed Name Signature Affiliation	KELLY HA			Time	Sligh	77	/11:22
Received	Printed Name	Solyngery	7	BARG	eg Gar	Z TOTA	-	
	Signature Affiliation	P. H. LAS	1	Date/	Time	5/18/2	2-3	311:22
Other Notes:	Perform bacteriologic	cal analyses within 6 hours or	fsam	ple co	ollection tim	ie		
	1:10 1:100, and 1:100							

Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Dry Event (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 1 of 1)

apling Date:	5/18/23 W.B. CAREY	K. H	AAHS	MS/ volume	to select samples for VMSD where extra ume permits (all test thods) excluding travel nks.
SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A) Cyanide (ASTM D7511)		A Number of Bottles	NOTES
ME-SCR	5/18/23 0930	1 1	+	40	RY
MO-SPA		+-	++	4	
MO-FIL	5/18/23 0830	++-	2	# 1	DRY
MOOXN		1111	+	4	
MO-VEN	5/18/23 1040	1 1	2		
Relinquished	Printed Name W.	Tuz.	AM	REY	
	Signature W	illi	n (reg	,
	Affiliation	ye		Date/Time 5-18-23/	1305
Received	Printed Name	raal	<		
Received	1				
	Signature	yal	1		1
	Affiliation (1)	2/ /2	La	Date/Time _ 5- 18-23	13:05
Other Notes:					



Ventura County Watershed Protection District

3E18012

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Dry Event (<u>Contract AE17-001</u>) Composites - Weck Laboratories (SIDE 1 of 1)

Sampling Date:	5/	18/23							-	Proj	ect l	Nun	ıber:	202	2/2	3-6 ((Dry) Composites SCRW
Sampling Team:	1.61	3. CARE	7	K	<u></u> H	ι <mark>Α</mark>	<u>15</u>										
SAMPLE ID	COLLI	/TIME ECTED				Metals, total & dissolved (+ Hardness), & Barium (total only)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F, (300.0), Phenolics	Phosphorus-P Total & Dissolved	625.1-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.4-Herb 547-Glyphosate, 608.3-CTR	525.2 Reg+507, 625-OPP	DRO/ORO (EPA 8015D)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
ME-SCR	5/18/23	0930				X	X	Х	X	X	X	X	X	X	X	1	
MO-SPA				-		X	X	X	X	Х	Х	X	X-	X	X	+	ORY
MO-FIL	5/18/23	0830				X	X	X	X	X	X	Х	Х	X	X	1	
MO-OXN						X	X	X	X	×	X	X	X	X	X	-1-	DRY
MO-VEN	5/18/23	1040				X	X	X	X	X	X	Х	X	X	X	1	
Relinquished	Printed Na	me	WI	ارر	J	ا ا	 	<u></u>	9 R	ΕY	•						· ·
	Signature	<u>.</u> ,	ر ز کہ	\mathcal{U}	<u></u>	^	(a	7	2							
	Affiliation		V	LN	/ P	P			•	Dat	e/Ti	ime		<u>s -</u>	18	-2	3/1305
Received	Printed Na	me <u> </u>	<u>a</u>	9	ly	<	<u> </u>										44
	Signature	_//.	Ų	<u>4)}</u>	U												
	Affiliation			ω	<u>er</u>	K	10	ر طرد		Dat	e/Ti	me	2	-18	<u> </u>	<u>23</u>	/13:05
Other Notes:	1) Filter for dissolved metals and perform conductivity analyses immediately. ations and do not dilute limited volume samples when enacting priority list (low reporting limits are important).																
2) Please limit diluti	ons and do r	iot dilute lin	nited	l vol	ume	sam	ıples	wh	en e	nacti	ng p	rior	ity li	st (lo	ow re	epor	ting limits are important).

Ventura County Hotel Stormwater Quality

Management Program 2022/23 Annual Monitoring Report

To Hotel Stormwater Quality

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5/30/2023: EPA 625.1 OPP cancelled on MO-FIL bc lab missed the HT for analysis. -kgt



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Dry Event (<u>Contract AE17-001</u>)
Equipment - Weck Laboratories

Sampling Date:	5/19	3123			Project 1	Number	: 2022/23-6 (Dry) Cleaning SCRW
Sampling Team:	W.B.	CAREY					
	EQUIPMENT		Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required		NOTES
18.5 L wide neck							Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
20 L narrow neck silicone stopper	carboy and lid (+as	sembly) or	3				a bottle was cleared with mediator.
Blue cube cooler	,				3		
Grey bucket							Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Black bottle bag					l		
Bottle harness	-				2		
Relinquished	Printed Name Signature	WILLIA	m (CARE			
	Affiliation	Jewp	0		/ Date/T	ime	5-18-23/1305
Received	Printed Name Signature Affiliation	Magaly Augaly Deck L	S.		Date/T	ime .\-	18-23 / 13:05
Other Notes:		lagaly	5		5-1	8 -2.	3/15:54
		Jamelin	M		<u> </u>	<u> </u>	13 1854

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QAF-006 Ventula/Cba/BAVIde Stormwater Quality

C:\Users\\\\Manqalemegnh\rangle\rangle\\\Z223\\\Angues\\\Manqalemegnh\rangle\\\X223\\\Angues\\\X223\\\Angues\\\X223\\\Angues\\\X223\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\X23\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\X23\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\X23\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X23\\\X

Sample Receipt Checklist

	Weck WKO:			Date/T	ime Received:	05/15/23 @ 15:53
	VKO Logged by:				# of Samples:	03
Samp	les Checked by:	Lester Abad			Delivered by:	RMS
	Task		Yes	No	N/A	Comments
	COC present at re	eceipt?	\boxtimes		-	
	COC properly cor	npleted?	\boxtimes		_	
202	COC matches san	nple labels?	\boxtimes			
	Project Manager	notified?			<u> </u>	
	Sample Tempera	ture	1.2°C			
	Samples received		⊠		_	
io	Ice Type (Blue/W		WET		_	
Jati	All samples intac	•	⊠			· · · · · · · · · · · · · · · · · · ·
orn	Samples in prope		\boxtimes			
Infe	Sufficient sample		\boxtimes			
Receipt Information						
Rec	Received within h	nolding time?				
	Project Manager	notified?			⊠	
	Sample labels che	ecked for correct preservation?	\boxtimes		_	
ation?		(No) none, If Yes (See comment) .1, 8260, 1666 P/T, LUFT			_ ⊠ _	□ <6mm/Pea size?
Sample Preservation Verification?	pH verified upon Metals <2; H2SO4 525.2<2; 6710B<	4 pres. tests <2; 522<4; TOC <2; 508.1,	. 🗵			oH paper Lot#
reserva	Free Chlorine Tes	ted <0.1 (Organics Analyses)	\boxtimes			Cl Test Strip Lot#
Sample P	O&G pH <2 verification of the pH adjusted for Control of the Project Manager	0&G				oH paper Lot# oH Reading: Acid Lot# Amt added:
PM Cor	mments					
Sample	Receipt Checkl	ist Prepared by:				
Signat	ure: Lester Abad				Date:	05/18/23

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[Tuna hara]

Attachment A Appendix E



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Dry Event

Sampling Date:	5/23/23	3			Projec	ct Nun	iber: 2	2022/2	23-6 (Dry) VRW+HUE
Sampling Teams	W.B. CA	REY	K. HAHS							
LAB USE ONLY	SAMPLE ID		DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX) E. coli (Tray Method - WQ IDEXX)				Number of Bottles	NOTES
	ME-VR2	5/2	3/23 1005	X	X				1	
	MO-OJA		0835	X	X				1	
	MO-MEI		0920	X	X		Ď.		1	
	MO-HUE	11	/ 1100	X	Х				1	
Relinquished	Printed Name Signature Affiliation		KELLY HAH KollyHobs Vower		Data /	Time _	5/	731	22	/w20
Received	Printed Name		MYAM SCHMA			Time _	01		43	/11:30
	Signature Affiliation	VCT	Eling Adr	7	1)	Tîme _	05,	13	120	73 Q 1130
Other Notes:	Perform bacteriologic	al analy	ses within 6 hours o	f sam	ple co	llection	n time			
	1:10 1:100, and 1:100	0 dilutio	ons for E. coli .	411	tin	جع	POT			



Chain of Custody Record Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Dry Event (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 1 of 1)

Sampling Date:	5/23/23	5/23/23 W.B. (AREY, K. HAHS							Project Number: 2022/23-6 (Dry) Grabs VRW+HUE								
Sampling Team:	W.B. CARE	1,	1	nn								_					
	DATE/TIME	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (LUFT GC/MS)							Number of Bottles		Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.				
SAMPLE ID ME-VR2	5/23/23 100 5	1	1	2							4						
O-HUE	1100	1	1	2							4		White Health				
IO-OJA	0835	1	1	2							4						
O-MEI	0920	1	1	2		100					4						
O-WES	J 0420	1	1	-								-					
												+					
		1000	-						V.			+					
			-									-					
						4 - 1						1					
							14		. /.								
quished F	Printed Name W	ELL	IA	~	A	REY											
	Printed Name W 1 ignature W ffiliation V	:00	in	2	4.77	14		1									
	ffiliation V	Ch	101			T. D.	- //-						10				
	- 9						te/T	me .		2 - 2	3-23	5/	13:55				
ved P ₁	rinted Name Carlo	?	Do	mı	140	22											
Si	gnature C. Dr		_	_													
Af	ffiliation Weck	RM	S			Dat	te/Ti	me	-	5/2	3/2	3	13:55				
Notes: A						Vipe I	111	4		10	1	-	(), ()				
K	Il times PDT.																

Otl



5/23/23

Chain of Custody Record

Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Dry Event (Contract AE17-001) Composites - Weck Laboratories (SIDE 1 of 1)

Sampling Date:	5/23/23 Project Number: 2022/23-6 (Dry) Comp VRW+HUE																
Sampling Team:		WB. C	ARE	7		<u>c. 1</u>	HA	MS	<u> </u>								1977/1997/19
						Barium (total only)	And the state of	-			*						Metals by200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)
						8		TOC	nolics		henok	_ ا			pu		608 include alpha- & gamma-chlordane
					ine Residual	dissolved (+ Hardness),		COD, MBAS, TKN, Ammonia, TOC	Cl, F, (300.0), Phenolics	& Dissolved	I-PAH, 8270SIM-Phenols	hosate, 608.3-CTR	ЭРР	15D)	'DS, TSS, VSS, Cond		* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS
		DATE/TIME			NOS-N, Total Chlorine Residual	Metals, total & disso	9	D, COD, MBAS,	NO3+NO2 (353.2), Cl, F,	Phosphorus-P Total & Dissolved	625.1-CTR, 8270SIM-PAH,	515.4-Herb 547-Glyphosate,	525.2 Reg+507, 625-OPP	DRO/ORO (EPA 8015D)	ALK, CLO4, Turb, TDS,	Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods)
SAMPLE ID	C	OLLECTED					Cr+6	BOD,			-			DR	_	Z	NOTES
ME-VR2	5(2	3/23/1005		<u> </u>	X	Х	X	x	Х	Х	X	X	X	X	X	1	5/25/2023:
MO-OJA		<u> </u>				X	X	X	X	Х	X	X	X	X	X	1	Informed K. Hahs
MO-MEI		0920				X	X	X	X	Х	X	X	Х	X	X	1	that
MO-HUE		1100		<u> </u>		Χ	Х	X	X	Х	X	X	Х	X	X	1	NO3 and BOD
	į																missed HT.
																	Per Kelly, cancel
																	testing since HT was missedkgt
		******															- was misseukgi
Relinquished	Print	ted Name	Wi	W		1	C	~	ly								
	Signa	ature	V	J	الما	T /	A N	1		A	RE	4					
	-	iation	V	_ WV	ЬĎ					Dat	e/Ti	me	į	2 - 5	.3 	23	113:55
Received	Print	ted Name	w/a	\mathcal{T}) Din	1 \V	191	J.C.	2								
	Signa	ature (D	مساسن	-		, 1										***************************************
	•		JRW	1 <			·····	,		Dat	e/Ti	me	=	23	2	— 3	13:55
		0000	-11/4/							Dat	C/ 11			1200	1-		
Other Notes:		lter for dissolve															1
1	_																ting limits are important).
All times	P.D.	1.	K	CHI	Λq.	<u>'i </u>	51	<u>ia ·</u>		a	em Em	·a	سداد	- 1	3/	23	123 10:46
											۲۰۰۰۱۱۱	\		~			123 .6.96

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3E23057

Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Dry Event (<u>Contract AE17-001</u>) Equipment - Weck Laboratories

Sampling Date:	5/23/25			Project ?	Number	: 2022/23-6 (Dry) Cleaning VRW+HUE
Sampling Team:	W.B. CAREY	C. HAY	<u> </u>			
	. ,	1	T .	i		
		ent and HNO3	ent, HNO3, and	p		
	EQUIPMEN T	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required		NOTES
18.5 L wide neck o	carboy and lid					Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
20 L narrow neck o silicone stopper	carboy and lid (+assembly) or	4				
Blue cube cooler				4		
Grey bucket				•		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Black bottle bag				4		
Bottle harness				级		
Relinquished	Printed Name Wall	. A.M	CAR	ـــــــــــــــــــــــــــــــــــــ	<u> </u>	
1		lian		vez		
	Affiliation UCM			Date/T	ime	5-23-23/ 13:55
Received	Printed Name Cayla	owi	ngue	2		
	Signature C. Do					
	Affiliation WECK R	MS	-	Date/T	ime	5 23 23 13:55
Other Notes:	All times POT.	Relie	rquish	ed-		Dominguez C. Don
						RMS. 5/23/23 14:46



Weck WKO: 3E23057

Sample Receipt Checklist

Date/Time Received: 05/23/23 @ 16:46

1	WKO Logged by:Jaime Gomez			# of Samples:	
Samp	oles Checked by:Jaime Gomez			Delivered by:	RMS
	Task	Yes	No	N/A	Comments
	COC present at receipt?	\boxtimes			
	COC properly completed?	\boxtimes			
ပ	COC matches sample labels?	\boxtimes			
202	·	\boxtimes		_	
					
	Project Manager notified?				
	Sample Temperature	2.4 °C		_	
_	Samples received on ice?	\boxtimes			
ion	Ice Type (Blue/Wet)	Wet			
nat	All samples intact?	\boxtimes			
orr	Samples in proper containers?	\boxtimes			
<u>lı</u>	Sufficient sample volume?	\boxtimes		_	
ipt	Samples intact?	\boxtimes		_	
Receipt Information	Received within holding time?	\boxtimes		_	
æ				_	
	Project Manager notified?				- newsals
	Sample labels checked for correct preservation?	\boxtimes		□	
ću.	VOC Headspace: (No) none, If Yes (See comment)			-	☐ <6mm/Pea size?
catio	524.2, 524.3, 624.1, 8260, 1666 P/T, LUFT			-	,
irifi	pH verified upon receipt?			_	pH paper Lot# 2071882
۶	Metals <2; H2SO4 pres tests <2; 522<4; TOC <2; 508.1,	\boxtimes			
tior	525.2<2; 6710B<2; 608.3 5-9				
Preservation Verification?	Free Chlorine Tested <0.1	\boxtimes			Cl Test Strip Lot# 061221E
Pre					
ole	O&G pH <2 verified?				pH paper Lot#
Sample				-	pH Reading:
Ŋ	pH adjusted for O&G				Acid Lot#
					Amt added:
	Project Manager notified?		. Ш	_	
РМ Сс	omments				
Sampl	e Receipt Checklist Prepared by:				
-	ture: Jaime Gomez			Date:	05/23/23
- 0					



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Major Outfall Dry Weather Monitoring

Bacteriological - VCHCA Lab

Sampling Date: 08/29/23 Sample Event: DRY 2023

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX	E. coli (Tray Method - WQ IDEXX)			Number of Bottles	NOTES				
	Camarillo-X 5	8/29/23 12:45	X	X		Į.		MO-CAM				
	Fillmore-1							MO-FIL				
	Moorpark-1	08/20/23 9:20	X	M				МО-МРК				
	Ojai-1	100		-				MO-OJA				
	Oxnard-1	- Charles (m) and						MO-OXN				
	Port Hueneme-3							DRY-HUE3				
	Santa Paula-2	Share and formation of the state of the stat					-	DRY-SPA2				
	Simi Valley-1	8/29/03 8:05	X	X				MO-SIM				
	Thousand Oaks-1	8/29/23 10:30	X	X				MO-THO				
	Unincorporated-4							DRY-UNI4				
	Ventura-1	Manager Angelows to a menous of a second						MO-VEN				
elinquished	Printed Name Signature	Marissa D	-	>								
eceived	Affiliation Printed Name	Rincon Consultan WUMAM SCHWAR	15.	Date/I	Time	18/2	9	23 1330				
	Signature Affiliation	William Achi		77	Time 19	179/	2.00	3 12.21)				
ther Notes:	Affiliation VCPHL Date/Time <u>D8/79/2013</u> 18:30 1:10, 1:100, and 1:1000 dilutions											



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program Major Outfall Dry Weather Monitoring

Grabs - Weck Laboratories

Invoice Contract No. AE17-001 Mod. No. 6

Sampling Date:

Sample Event: DRY 2023

Manssa De Hoyos Sampling Team:

Vamaging

SAM	IPLE ID	DATE/TIME COLLECTED	Total Col. Cuy	tog E. Col: IDEXX	Dissolved Merals by 200.8 (Yead, Zinc, Copper)		Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks. Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)
Camarillo-1			X	X	X		3	110120
Fillmore-1			X-	_X_	X		1	
Moorpark-1			¥.	- X-	-X			
Ojai-1-			*	X	×		В	
Oxnard- J		1430 8/29/23.	X	X	X		,	
Port Hueneme-3		1520 8/29/23	Х	X	X		1	
Santa Panla-2			x	X	¬x		1	
Simi-Valley 1			X.	-X-	_X_,	3	#	
Thousand Oaks-	1		X	X	X		1	
U nincorporated	—		X	X	_x_		3	
Ventura 1			Х-	X	X		+	
Relinquished Received	Printed Name Signature Affiliation Printed Name Signature Affiliation	Nicole Coll (Vald) William Schwi Walliam Ard VCPHI	ARTE	Date/Ti	me <u>8 /</u> 2	29/23		1600
Other Notes:	Annuation	VUAHI	_ (1	Date/Tir	ne <u>08</u>	129/2	0	73 16:00



Chain of Custody Record Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Major Outfall Dry Weather Monitoring Bacteriological - VCHCA Lab

Sampling Date:

8/30/23

Sample Event: DRY 2023

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX	E. coli (Tray Method - WQ IDEXX)		Number of Bostler	NOTES
	Camarillo-1	1.1					MO-CAM
	Fillmore-1	8/30/23 0740	Χ	\times			MO-FIL
	Moorpark-1-						MO-MPK
	Ojai-1	8/30/23 1035	X	λ		13.	MO-OJA
	Oxnard=1						MO-OXN
	Port Hueneme-3						DRY-HUE3
	Santa Paula-23	8/30/23 0835	X	X			DRY-SPA2
	Simi Valley-F						MO-SIM
	Thousand Oaks 1						мо-тно
	Unincorporated-4						DRY-UNI4
	Ventura-1	8/30/23 0925	X	X			MO-VEN
elinquished	Printed Name Signature Affiliation	Nicole Yamagin		Date/	Time 06	30/2	3 1200
eceived	Printed Name	WILLIAM SCHW	ART	7			
	Signature	Milliam tole			994		
	Affiliation	JOPHL /	-		Time OF	13017	013 1200
ther Notes:	1:10, 1:100, and 1:100	00 dilutions				7	



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Major Outfall Dry Weather Monitoring

Bacteriological - VCHCA Lab

Sampling Date: Sample Event: DRY 2023 Nicole Honos Sampling Team: amagiwa Fotal Coliform (Tray Method - WQ IDEXX (Tray Method - WQ IDEXX lumber of Bottles coli (LAB USE DATE/TIME **ONLY** SAMPLE ID COLLECTED **NOTES** Camarillo-1-MO-CAM Fillmore-I MO-FIL Moorpark-1 MO-MPK Ojai-1 MO-OJA Oxnard-1 MO-OXN Port Hueneme-3 DRY-HUE3 Santa Paula-2 DRY-SPA2 Simi-Valley-1 MO-SIM Thousand Oaks-P MO-THO Unincorporated-A 8/30/23 1250 DRY-UNI4 Ventura-1 MO-VEN Yanagiwa Noicole Relinquished Printed Name Signature Consultants Date/Time 8/30/23 Affiliation Received Printed Name Signature Affiliation 08/30/2023 Other Notes: 1:10, 1:100, and 1:1000 dilutions



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Major Outfall Dry Weather Monitoring Grabs - FGL Environmental

Please invoice: MA FRUITGROWERLFY24MA01 UNIT 4220PWA Attn: Kelly Hahs

				<u>ت</u>			10.00						
		DATE/ COLLE		Total Coliform and E. coli (Colilert) [x 10, x 100, and x 1000 dilutions]	Total Hardness as CaCO3 (EPA 200.7 or SM 2340 B)	TOC (SM 5310 C)	Dissolved Metals by 200.7 or 200.8 (Lead, Zinc, Copper)	Number of Bottles	NOTES				
SAMP Camarillo-1	LE ID	10/17/23	0925	X	X	X	X		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Samarmo 1.		10/17/23	Vibe										
				-1									
					7.1								
					101								
				2 3 3									
Relinquished	Printed Name	Mariss	a De	Hoy	05								
	Signature	<u>_ee</u>	2/6	>-			4	4.2	76)				
	Affiliation	Rincon	Consult	ank.	Date/T	ime	10/17/	13	135/				
Received	Printed Name	Matt	Casas										
	Signature	- ME	\sim			-	-> 1		17()				
	Affiliation	FG	<u>し</u>	_	Date/T	ime _/	0/17/2	25	1351				
Other Notes:	Samples are all	are all urban runoff grabs. VCWPD contact: Kelly.Hahs@ventura.org (805) 658-4375											

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Lab to select samples for MS/MSD where extra



Chain of Custody Record Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Major Outfall Dry Weather Monitoring

Grabs - Weck Laboratories

Invoice Contract No. AE17-001 Mod. No. 6

Sampling Date:

08/29/23

Sample Event: DRY 2023

Sampling Team:

Marissa De Hoyas. Nicole Yamaqiwa

SAMPLE ID	DATE/TIME COLLECTED	Total Hardness	тос	Dissolved Metals by 200.8 (Lead, Zinc, Copper)		Number of Bottles	volume permits (all test methods) excluding travel blanks. Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)
Camarillo-15	8/29/23 1245	х	Х	X		L	
Fillmore-1		Х	X.	X		4	<u>.</u>
Moorpark-1	3/29/23 9:20	Х	X	X		4	
Ojai-1		X	X	Х		4	-
Oxnard A 1	08/29/23 1430	X	X	X		4	
Port Hueneme-3	08/24/23 1520	X	X	X		4	
Santa Paula-2		X	X	X		4	
Simi Valley-1	8/29/23 0805	X	X	X		4	
Thousand Oaks-1	8/29/23 1030	X ?	X	X		4	:
Unincorporated-4	,	X	X	X		4	
Ventura-1		X	X	X ·		\$	· -
Relinquished Printed Name Signature Affiliation	Rincon Consultan		Proceedings of the State of the	ime <i>Ol</i>	3/29	/d	3 1620
Printed Name Signature Affiliation	161'u tides		Date/Ti	ime 8			d / Relinguisted
Other Notes:	MUN G. /WE		130/23	1720		Ju	melmon 08/36/23 1720
Ventura Countywide Storn	nwater Quality		AE - 59				Attachment A Appendix E



Sample Receipt Checklist

		3H30133		Date	e/Time Received:	08/30/23 @ 17:20
	WKO Logged by:				# of Samples:	
Samı	ples Checked by:	Lester Abad			Delivered by:	Client
	Task		Yes	No	⊢ N/A	Comments
	COC present at re	eceipt?				
	COC properly cor	npleted?			-	
202	COC matches sar	nple labels?	\boxtimes		_	
ŭ					-	
			_		<u> </u>	
	Project Manager	notified about COC discrepancy?	. 🔲		⊠	
	Sample Tempera	ture	1.1°C			
_	Samples received		\boxtimes		_	
.ij.	Ice Type (Blue/W	et)	WET	-		
mat	All samples intac	1?	\boxtimes			
fori	Samples in prope	r containers?	\boxtimes			
<u>=</u>	Sufficient sample	volume?	\boxtimes			
eip	Samples intact?		\boxtimes		_	
Receipt Information	Received within h	nolding time?				
					·	
•	Project Manager	notified about receipt info?			· 🗵	
	. Camanda Tábala aba	Shed for some of many of the 2				
	Sample labels che	ecked for correct preservation?			Ш .	
ر د	VOC Headspace:	(No) none, If Yes (see comment)	x 5 - 28			
ö	1	.1, 8260, 1666 P/T, LUFT				□<6mm/Pea Size?
icat					·	
erif	pH verified upon					pH paper Lot# 3082366
۶		pres tests <2; 522<4; TOC <2; 508.1,	\boxtimes			
ţi	525.2<2, 6710B<2	2, 608.3 5-9				
Sample Preservation Verification?	From Chlorina Tan	had 40.1 (Onessies Australia				-1-
rese	Free Chiorine Tes	ted <0.1 (Organics Analyses)			⊠	Cl Test Strip Lot#
e Pr	O&G pH <2 verifie	-d7	П	П	1 n	H paper Lot#3082366
Jdu			ш	ш.	Name of the last o	oH Reading:
Sar	pH adjusted for O	&G		П		Acid Lot#
				L		mt added:
	Project Manager i	notified about sample preservation?			<u></u>	ane daded,
	•					
PM Co	mments					
					·····	
Sample	Receipt Checkli	st Completed by:				
		Sad				08/30/23
						30,00,20



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Major Outfall Dry Weather Monitoring

Grabs - Weck Laboratories

Sampling Date:	08/30	10	· ··· ·	Sample	e Event:	DRY 20		6
Sampling Team:	Manssa	i De Hoyos, N	icole	Man	nagin	101		
		DATE/TIME	Total Hardness	TOC	Dissolved Metals by 200.8 (Lead, Zinc, Copper)		Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks. Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)
SAMP Camarillo-1-	LE ID	COLLECTED	¥-	F X	<u>교</u>		ź	NOTES
Fillmore-1		8/30/23 0740	X	X	X		4	
Moorpark-1		8/30/23 0740	X	X	-X		7	
Ojai-1		6/30/13 1035	X	X	X		4	
O xnard -1		0/30/10/30	X -	X	-X-			
Port-Hueneme 3-			*	_X_	-X -			
Santa Paula-23		8/30/23 0835	X	Х	X		4	
Simi-Valley-1			ж-	- X -	- X			
Thousand Oaks-1			*-	-x -	X			
Unincorporated-2		8/30/13 1250	X	·X	X		4	
Ventura-1		8/30/23 0925	X	X	X		4	
Relinquished	Printed Name Signature Affiliation	Nicole Yamagi PMA Rincon Consul	,	Date/Ti	me <u>8</u>	730/	17	b 1455
Received	Printed Name	telly Hebs						1.
	Signature	Collyttes			P	ecen	<u> </u>	
	Affiliation	1cwpg		Date/Ti	me <u>8</u>	120/2	3	1455/8/31/23 0700
Other Notes:	Name:	full	•	Signo	dr.	EVer Kul	ر ار	Valer-Dode Hime: 2200 8
Ventura Manager	Countywide Storm ment Program 2022	water Quality // // // // // // // // // // // // //	Pagort	€ AE /61	1/23	1	li	53 Attachinehia Appendix E Wet ice



Sample Receipt Checklist

,		3H31075		Date,		08/30/23 @ 11:53
	NKO Logged by: _ les Checked by:	Lester Abad	····		# of Samples: Delivered by:	
Jamp	-	ASSESSMENT CONTRACTOR			-	
	Task		Yes	No	N/A	Comments
	COC present at re	-			-	
	COC properly com				_	
202	COC matches sam	ple labels?			· -	
0						
*	Project Manager r	notified about COC discrepancy?			<u> </u>	
	i roject manager i	iodinea about 600 also epalley.	ш,		_	
	Sample Temperat	ure	1°C		_	
-	Samples received	on ice?	\boxtimes			
ţį	Ice Type (Blue/We	et)	WET	•	<u> </u>	
Ша	All samples intact	?	\boxtimes			
for	Samples in proper	containers?	\boxtimes			
<u>=</u>	Sufficient sample	volume?	\boxtimes		_	
eipt	Samples intact?		\boxtimes		_	
Receipt Information	Received within h	olding time?	\boxtimes			
<u>~</u>			 ·		-	
	Project Manager r	notified about receipt info?		. 🗆	<u> </u>	
					_	
	Sample labels che	cked for correct preservation?				
ο.	VOC Hoodspace (I	No) none, If Yes (see comment)				
onj		1, 8260, 1666 P/T, LUFT				□<6mm/Pea Size?
ati	324.2, 324.3, 024.	1, 0200, 1000 1 / 1, LOT 1			_	
rific	pH verified upon r	eceint?				pH paper Lot# 3082364
Ver		pres tests <2; 522<4; TOC <2; 508.1,	\boxtimes			pri paper LOL# 5062564
on	525.2<2, 6710B<2				<u> </u>	
/ati	,					
Ser.	Free Chlorine Test	ed <0.1 (Organics Analyses)				Cl Test Strip Lot#
Sample Preservation Verification?		, ,	_	_		
<u>е</u> Р	O&G pH <2 verifie	d?				oH paper Lot#
dι						oH Reading:
Sal	pH adjusted for O8	&G				Acid Lot#
						Amt added:
	Project Manager n	otified about sample preservation?				
'					_	
PM Cor	nments					
				,		
Sample	Receipt Checklis	t Completed by:				
	ire: Lester K. Ab				Data	00/21/22
Signati	II E. Lester N. Stb	aa .			Date:	08/31/23



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE20-007)

Most Sensitive Species Testing - Toxicity - ABC Laboratories Project P6010506

Side 1 of 1

Sampling Date: Sampling Team:	3/10/2023 Project Number: 2022/23-5 (Wet) David Laak + Kelly Hahs											
SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - <i>Pimephales promelas</i> (fathead minnow)	Chronic toxicity - Ceriodaphnia dubia (daphnid)	Chronic toxicity - Hyalella azteca (Amphipod)	city - Chironomus dilutus	Chronic toxicity - Atherinops affinis (topsmelt)	Chronic toxicity - Macrocystis pyrifera (giant kelp)	Chtonic toxicity - Strongylocentrotus purpuratus (purple sea urchin)	Number of 5-Gallon Buckets	NOTES		
RW-LC1	3/10/23 10:00	Х	X	Х	Х			0 7	3	Note 1, Note 2, Note 3, Note 4		
Relinquished	Printed Name De	wid	40	gk								
	Signature											
	Affiliation	wp	. A C			Date/7	Time	3/10	1/2	023 11:15		
Received	Printed Name											
	Signature											
	Affiliation ~90	ATI	- Bro	nass	DY	Date/T	ime	3.10	9.7	23 447		
Other Notes:	Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100%.											
	Note 2: Please contact K	Celly Hal	ns 805-	658-43	75 if le	thal or	subleth	al effec	ct > 5	50%. TIE may be needed.		
	Note 3: Notify District v	Note 3: Notify District within 24 hours if significant toxicity is observed.										
	Note 4: Please run salt co	ontrols	or any	sites w	ith sali	nities a	t/abov	e specie	es tol	erances.		



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE20-007) Most Sensitive Species Testing - Toxicity - ABC Laboratories

Side 1 of 1

ampling Date: ampling Team:	8/8/ K.HA	22 AHS, W.	В.	CAR	ey		Project	Numb	er: <u>202</u>	1/22	3 (Wei) - M55 - DRY -
SAMPLE ID	DATE, COLLE	/TIME ECTED	Chronic toxicity - Pimephales promelas (fathead minnow)	Chronic toxicity - Ceriodaphnia dubia (daphnid)	Chronic toxicity - Hyalella azteca (Amphipod)	Chronic toxicity - Chironomus dilutus (midge)	Chronic toxicity - Atherinops affinis (topsmelt)	Chronic toxicity - Macrocystis pyrifera (giant kelp)	Chronic toxicity - Strongylocentrotus purpuratus (purple sea urchin)	Number of 5-Gallon Buckets	NOTES
ME-CC	8/8/22	0850	Х	X	X	X				3	Note 1, Note 2, Note 3
ME-VR2		0940	X	X	X	X				3	Note 1, Note 2, Note 3
ME-SCR	↓	0800					X	X	X	3	Note 1, Note 2, Note 3
Relinquished	Printed Nar Signature Affiliation		Lall	LY		IAH	S Date/	Time	•	8 8	1/22 10:05
Received	Printed Name Signature Affiliation Date/Time \$-8-74 (2003)									12 10:05	
Other Notes:	Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100%.										
	Note 2: Please contact Kelly Hahs 805-658-4375 if lethal or sublethal effect > 50%. TIE may be needed.										
	Note 3: Notify District within 24 hours if significant toxicity is observed.										



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Dry Season (Contract AE20-007)
Most Sensitive Species Testing - Toxicity - ABC Laboratories
Side 1 of 1

Sampling Date:	— 8/10/22 Project Number: MSS-DRY-1A — W.B. CAREY, K. HAHS											
Sampling Team:												
SAMPLE ID	DATE/T COLLEC		Chronic toxicity - Pimephales promelas (fathead minnow)	Chronic toxicity - Ceriodaphnia dubia (daphnid)	Chronic toxicity - Hyalella azteca (Amphipod)	Chronic toxicity - Chironomus dilutus (midge)	Chronic toxicity - Atherinops affinis (topsmelt)	Chronic toxicity - Macrocystis pyrifera (giant kelp)	Chronic toxicity - Strongylocentrotus purpuratus (purple sea urchin)	Number of 5-Gallon Buckets	NOTES	
WOHUE		CHIN	and the second	Alaba.		-	×	-X=	-X-	_3_	Note 1; Note 2, Note 3—	
RW-LC1	8/10/22	0935	X	X	X	X				3	Note 1, Note 2, Note 3	
maken 4	- Maringe e		-	-	====		_X_	Х	-X	-3:	Note 1, Note 2, Note 3	
Relinquished	Printed Name KELLY HAHS											
	Signature Affiliation		dey	HAS.	76D		Date/	Time_	8	0/:	22/11:13	
Received	Printed Name EU2ABETH MATURING Signature On 1001										2 (1213	
Other Notes:	Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100%.											
										> 50	%. TIE may be needed.	
	Note 3: Notify All time			1 hours	if signi	ficant	oxicity	is obse	erved.	-		

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Chain of Custody Record Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (Contract AE20-007)

Most Sensitive Species Testing - Toxicity - ABC Laboratories

Sampling Date:	Side 1 of 1 Project Number: MSS-Dry-2											
ampling Team:	229172 K.HAHS, W.B. CAREY											
SAMPLE ID	DATE/TIN COLLECTI		Chromic toxicity - Fimephales prometas (fathead minnow)	Chronic toxicity - Ceriodaphnia dubia (daphnid)	Chronic toxicity - Hyalella azteca (Amphipod)	Chronic toxicity - Chironomus dilutus (midge)	Chronic toxicity - Atherinops affinis (topsmelt)	Chronic toxicity ~ Macrocystis pyrifera (giant kelp)	Chronic toxicity - Strongylocentrotus purpuratus (purple sea urchin)	Number of 5-Gallon Buckets	NOTES	
ME-CC		730	X	X	X	X				3	Note 1, Note 2, Note 3	
ME-VR2	8/29/22	95	X	X	X	X				3	Note 1, Note 2, Note 3	
ME-SCR	8/2/22 0	645					X	Х	X	3	Note 1, Note 2, Note 3	
MO-HUE	8/29/22 00	720					×	×	×	3	11	
RW-LC1	3/29/22 08	320	×	×	×	×				3	11	
		- 1			<u> </u>							
Relinquished	Printed Name Signature Affiliation VCWVD Date/Time 8 29 22 10:20											
Received	Printed Name Victor Manywer- Signature Machael Date/Time 8/29/22 1020										L 1020	
Other Notes:	Note 1: Dilutions	Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100%.										
	Note 2: Please contact Kelly Hahs 805-658-4375 if lethal or sublethal effect > 50%. TIE may be needed. Note 3: Notify District within 24 hours if significant toxicity is observed.											
	Pleaserun S	alt con	lote	56	FW	speci	es if	FNER	ded.			