

# 2021-2022 Permit Year

Ventura Countywide Stormwater Quality Management Program Annual Report

## Attachment D Monitoring Appendices A - E



Camarillo
County of Ventura
Fillmore
Moorpark
Ojai
Oxnard
Port Hueneme
Santa Paula
Simi Valley
Thousand Oaks
Ventura

Ventura County Watershed Protection District

Appendix A	A: Major Outfall	Station Fact	: Sheets (Upda	ated 2019)

## **Camarillo**

Station: MO-CAM (Camarillo-1)

Waterbody: Camarillo Hills Drain (tributary to

Revolon Slough)

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

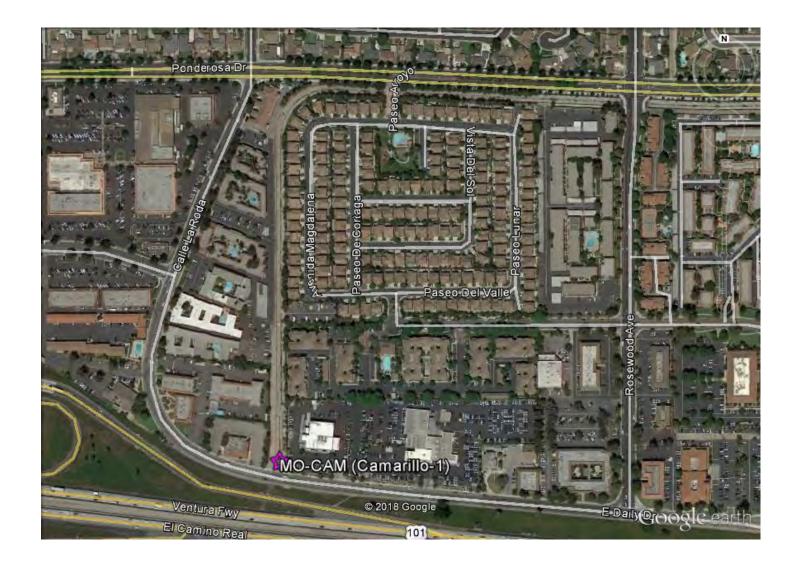
119° 3'58.00"W)

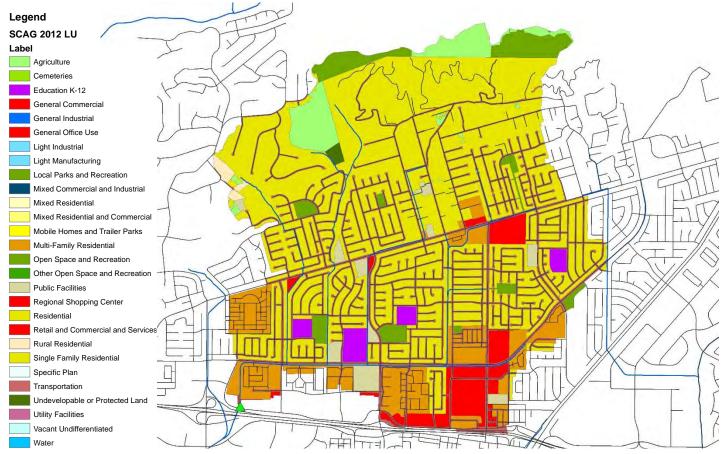
Known Issues: None

Dry Season Flow: Low flow typically present year-

round in dry weather due to urban runoff.







Entire	City
Entire	City

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%	

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)

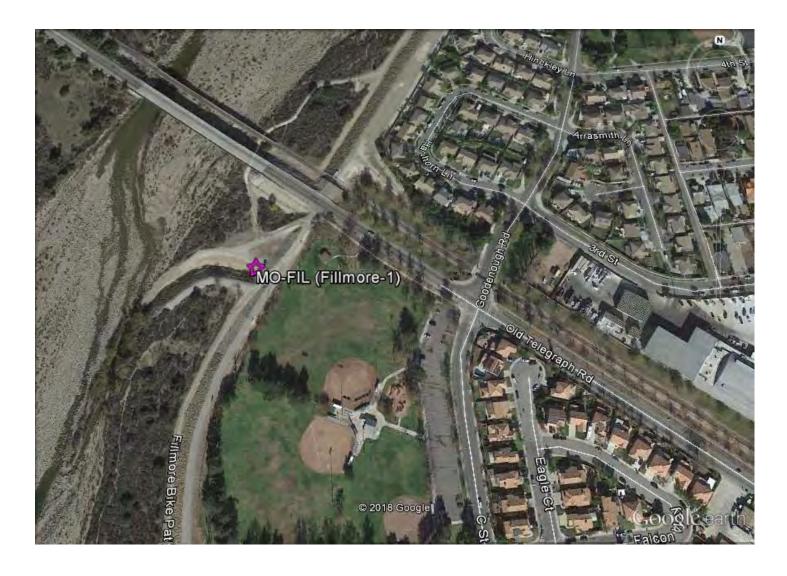
**Location:** 75 yds. southwest of Old Telegraph Rd.

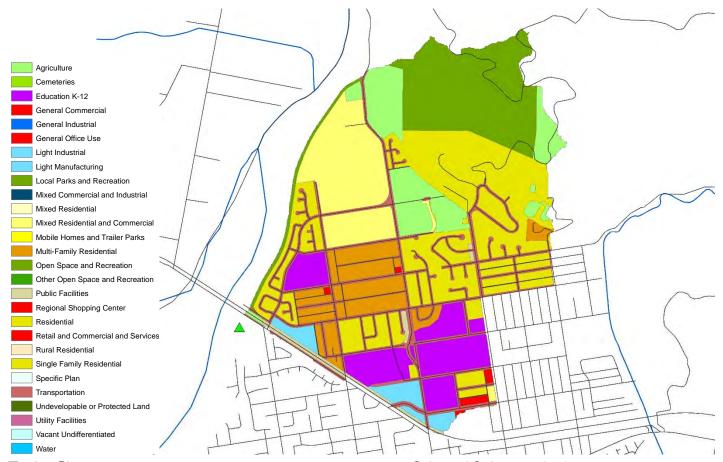
(34°24'16.70"N, 118°55'50.80"W)

**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)

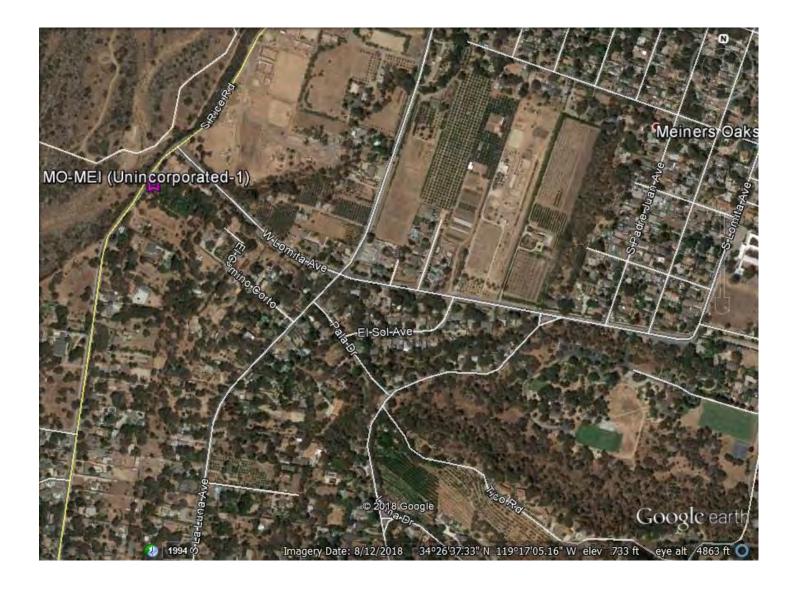
**Location:** Southwest of Lomita Rd. and Rice Rd. intersection (34°26'43.94"N, 119°17'25.15"W)

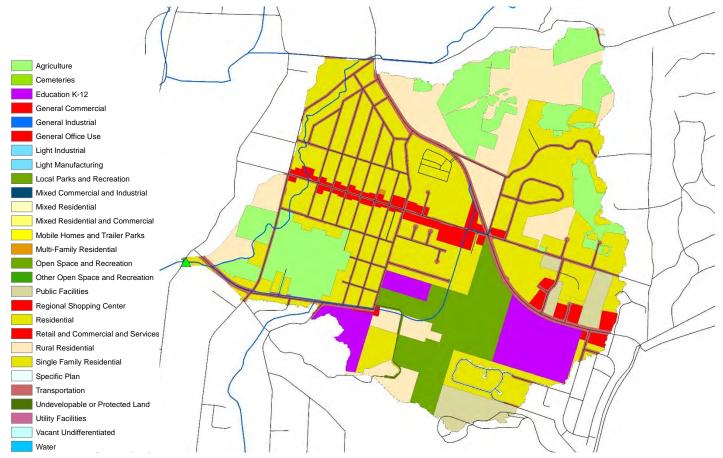
**Known Issues:** Homeless occasionally present under

bridge at site.

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







**Entire City** 

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,

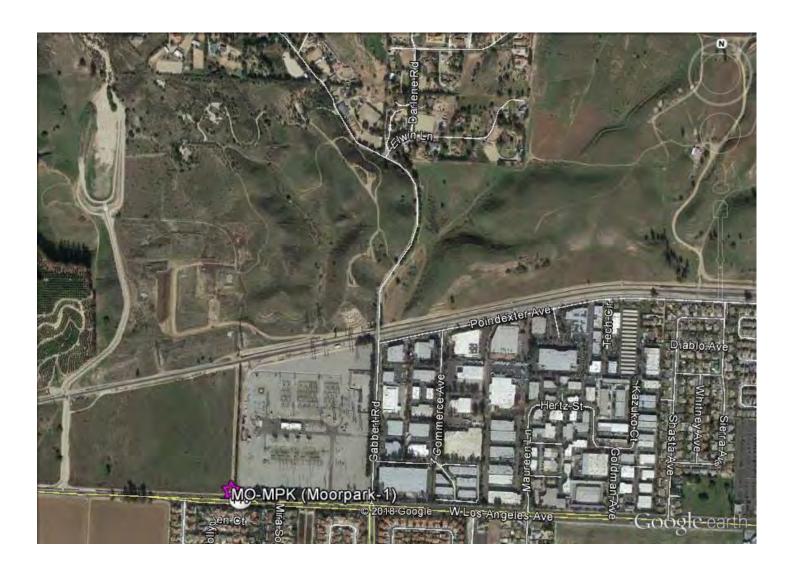
118°54'19.21"W)

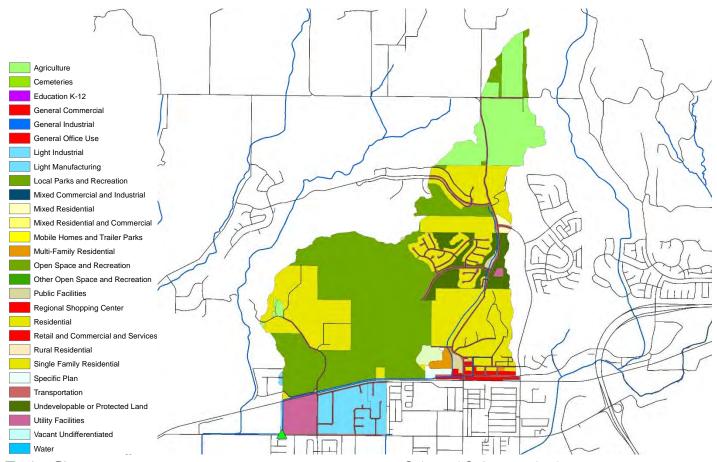
Known Issues: None

Dry Season Flow Potential: Intermittent year-round

flow due to urban runoff







Entire (	City
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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

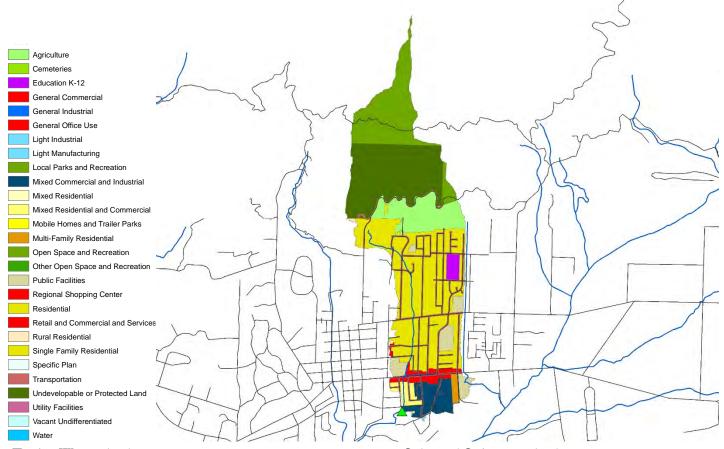
pool.

Dry Season Flow Potential: Frequently dry outside of

wet season storms.







**Entire Watershed** 

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

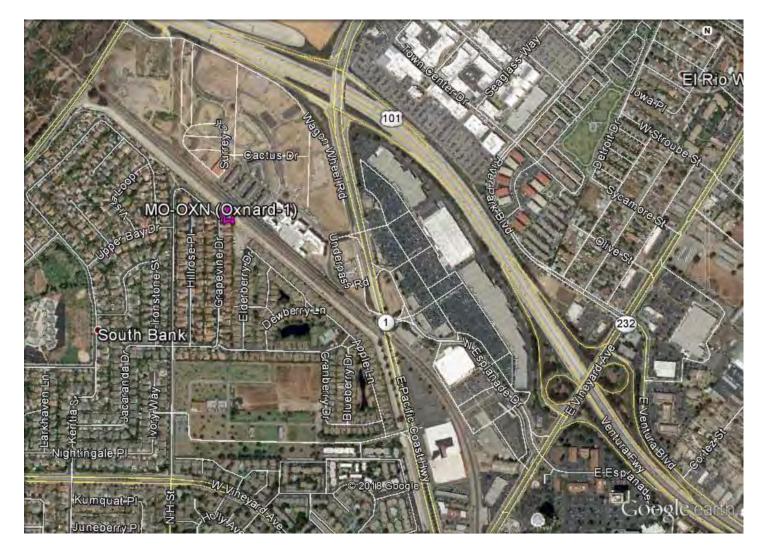
Winchester Dr. (34°14'10.13"N, 119°11'3.88"W)

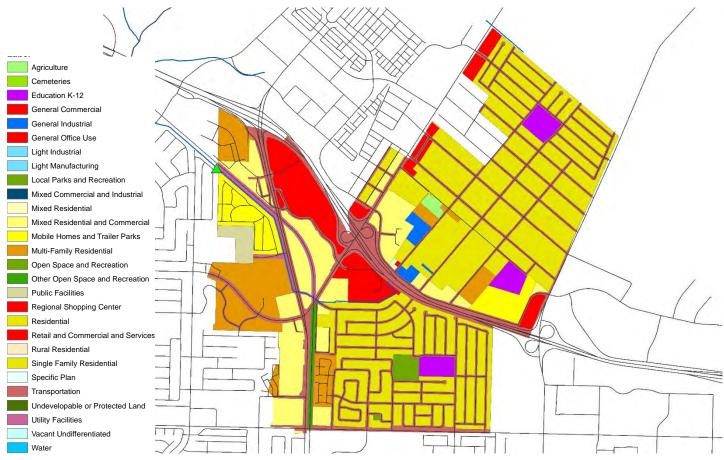
Known Issues: Frequent presence of homeless and

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		
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

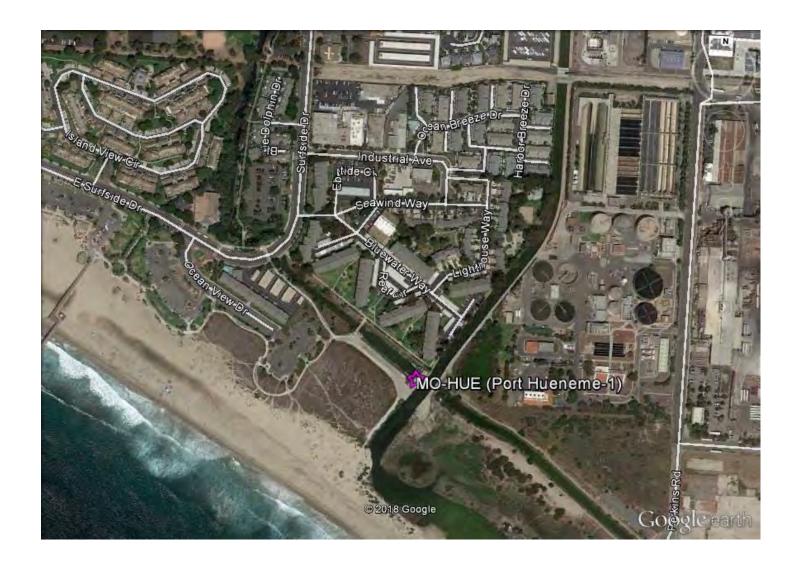
to ocean influence.

Dry Season Flow Potential: Year-round flow

due to urban runoff and groundwater

contribution







**Entire City** 

Entire City		
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%

Sciected 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)

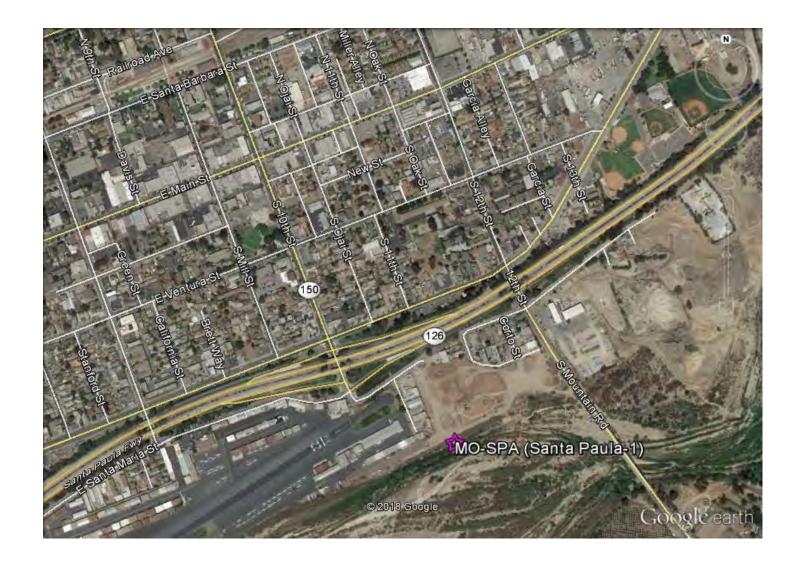
**Known Issues:** Homeless presence and vandalism

frequent in area.

Dry Season Flow Potential: Typically dry between

storms. Very infrequent dry weather flow.







**Entire City** 

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)

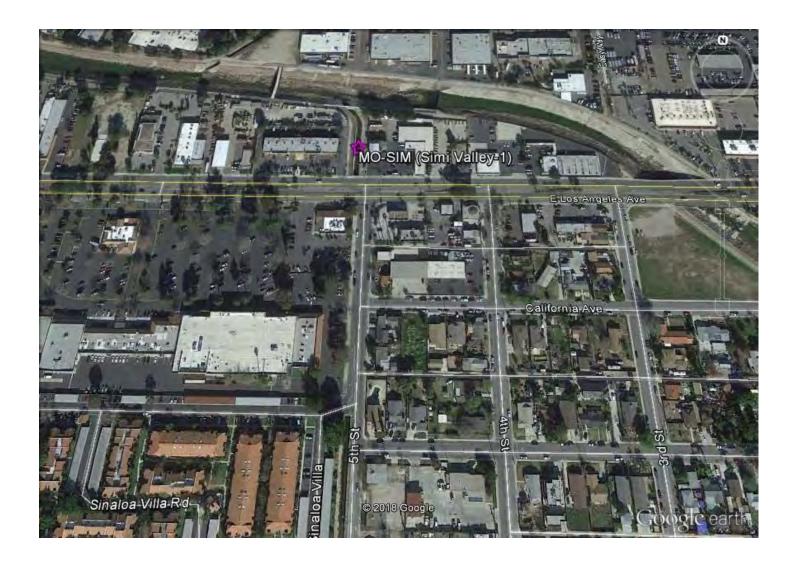
Waterbody: Bus Canyon Drain (tributary to Arroyo

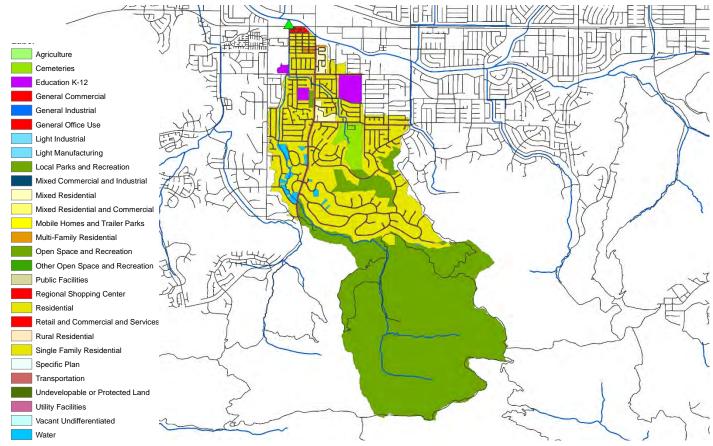
Simi)

**Location:** North of intersection at 5<sup>th</sup> 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







Entire C	ìity
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· · · · · · · · · · · · · · · · · · ·		% 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%

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)

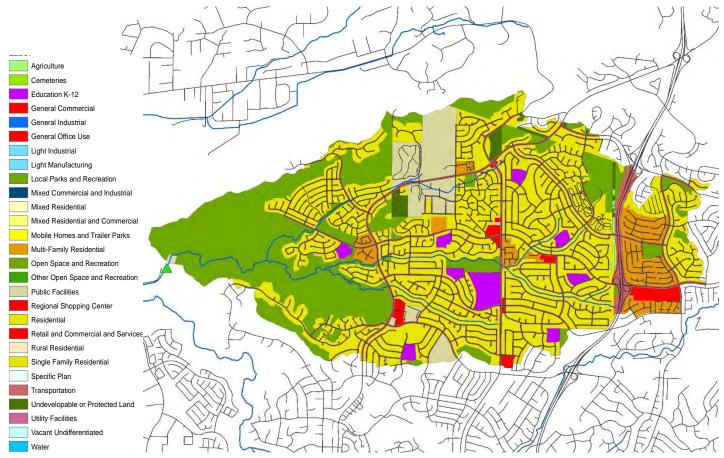
Known Issues: Rare access issues due to locked

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		<u> </u>
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

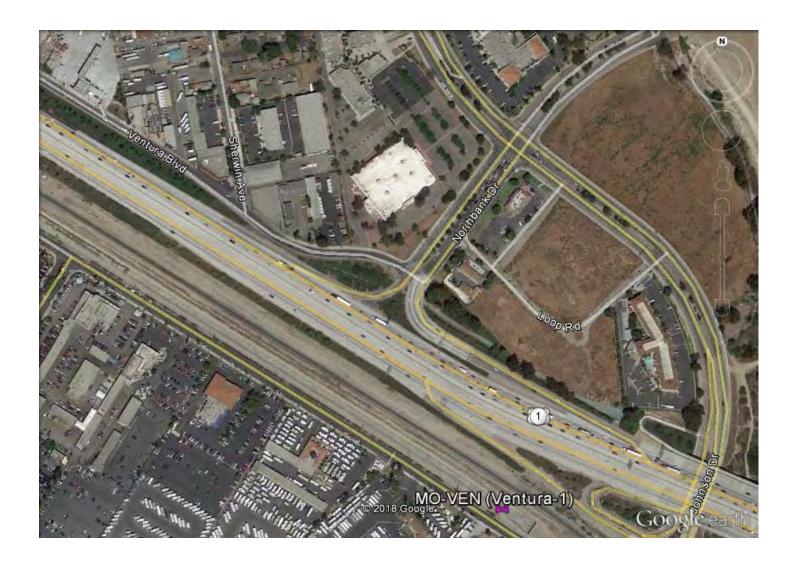
low flows.

**Dry Season Flow Potential:** Intermittent year-round

flow due to urban runoff and/or groundwater

discharge





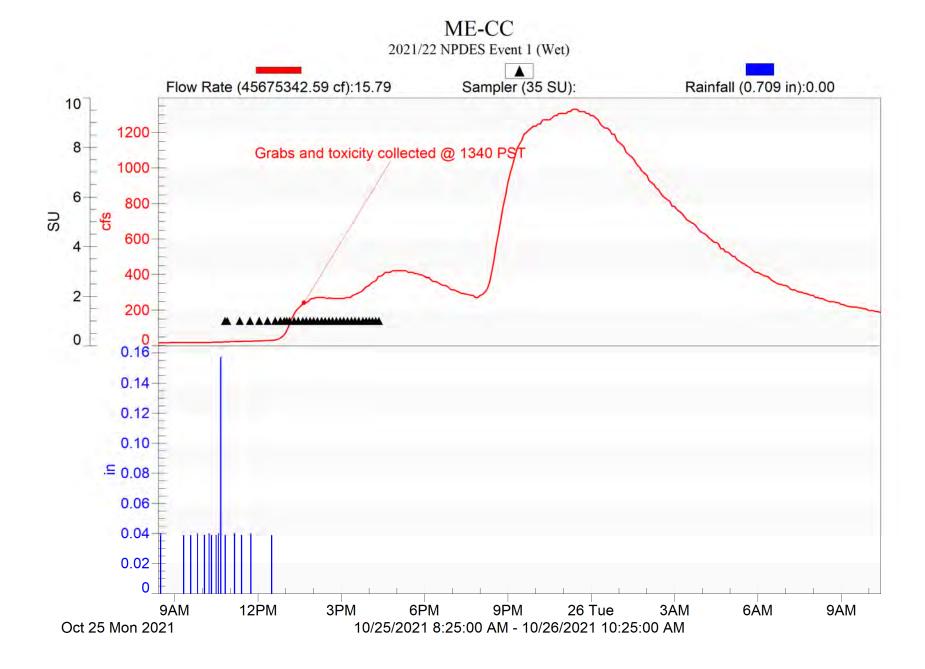


**Entire City** 

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%

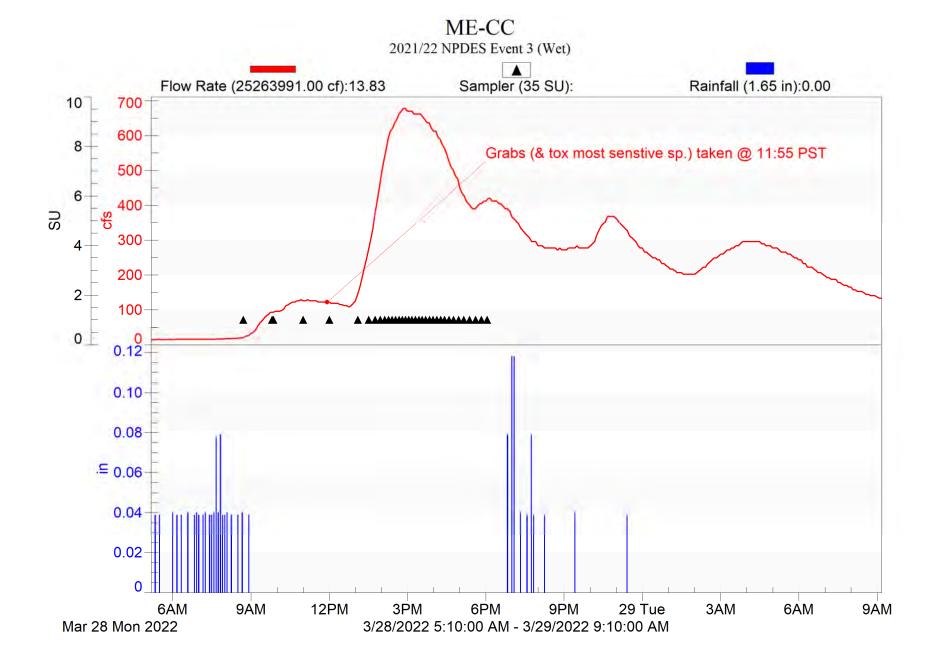
Land Use	Acres	% of Total Watershed
Agriculture	6.3	0.8%
Education K-12	6.8	0.9%
General Industrial	94.4	12.5%
Mixed Residential and Commercial	158.2	20.9%
Multi-Family Residential	161.0	21.3%
Open Space and Recreation	1.8	0.2%
Single Family Residential	123.7	16.4%
Transportation	203.1	26.9%
Totals	755.3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

Appendix B. Event Hydrographs

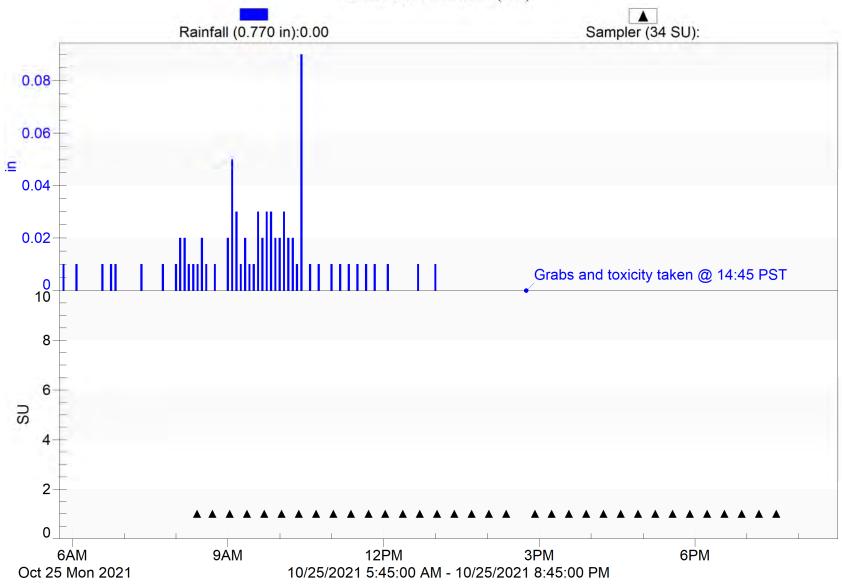


2021/22 NPDES Event 2 (Wet) Flow Rate (149752690.41 cf): Sampler (35 SU):Bottle #0 Rainfall (2.13 in): 10 "Grabs taken @ 12:20 PST (+FD & tox most sens. sp.) 3500 8 3000 2500 6 14M cf between sample 1 and 2, pacing 1M cf S € 2000 1500 1000 8.5L in bottle at sample 17 and 35 2 500 0 0.20 0.15 .⊑ 0.10 0.05 0 3PM 6PM 9PM 14 Tue 3AM 6AM 9AM 12PM 3PM 6PM 9PM 15 Wed 3AM 6AM 9AM 12PM 12/13/2021 12:00:00 PM - 12/15/2021 12:00:00 PM Dec 13 Mon 2021

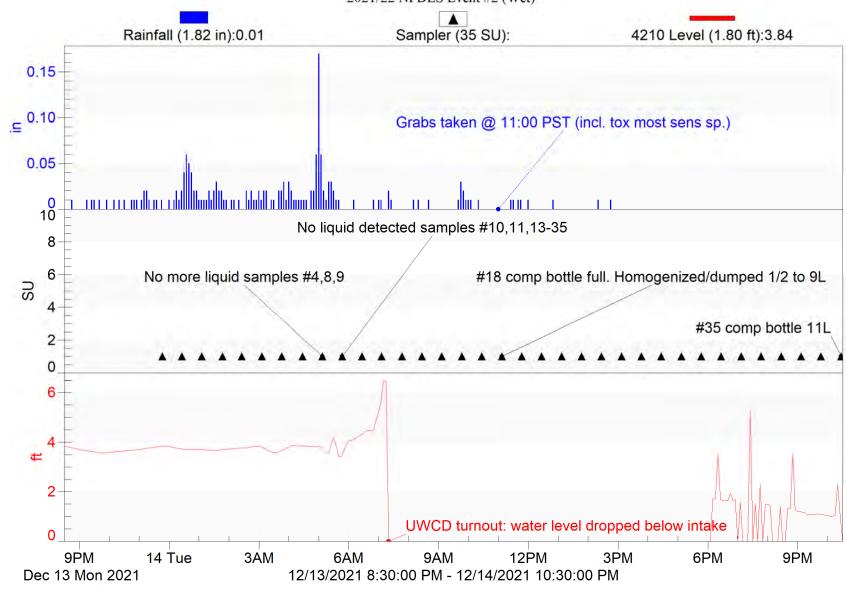
ME-CC



ME-SCR 2021/22 NPDES Event #1 (Wet)



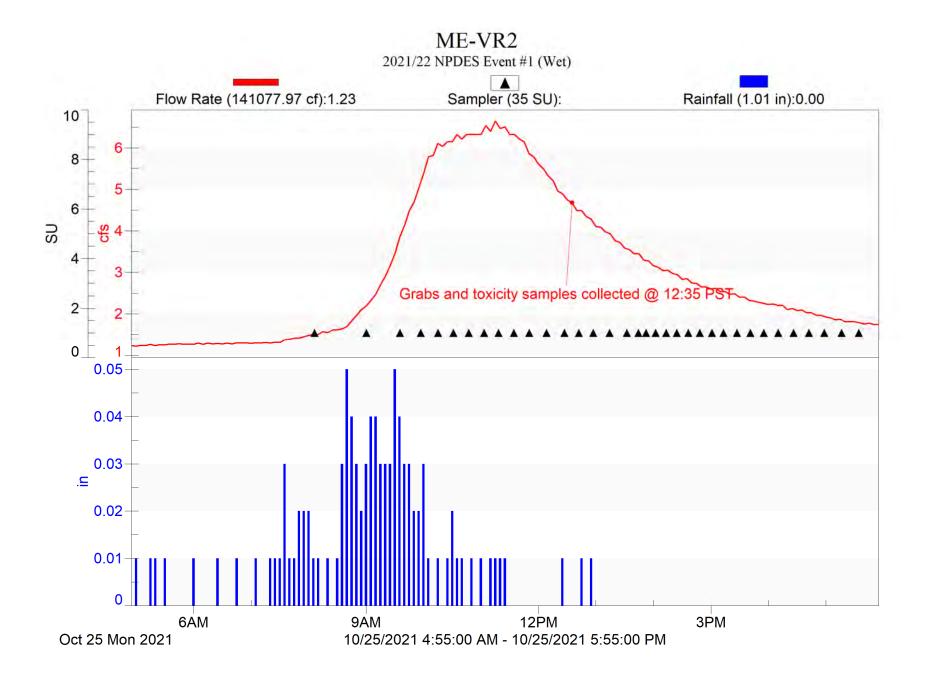
ME-SCR 2021/22 NPDES Event #2 (Wet)



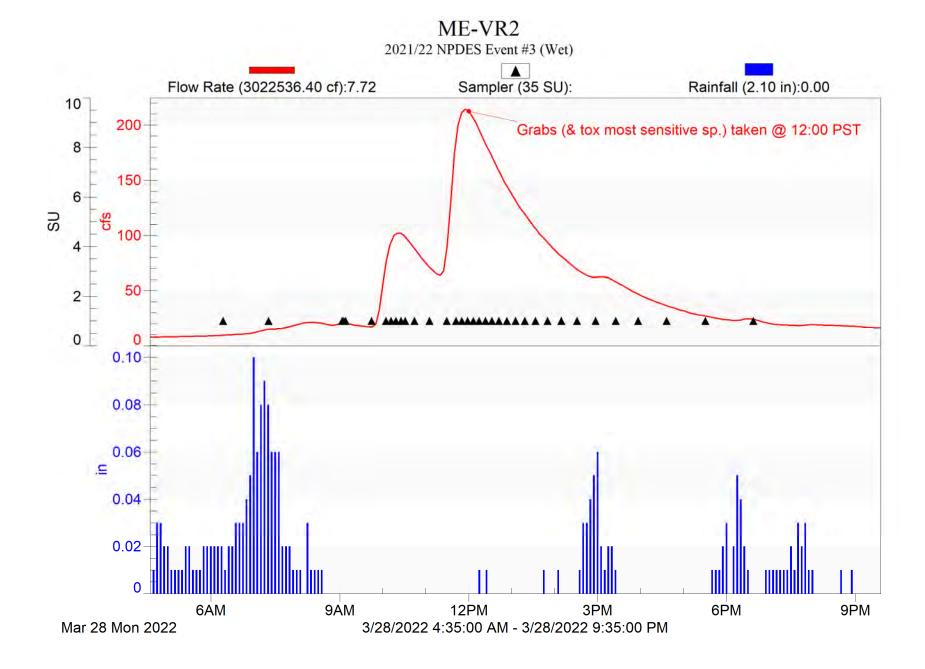
**ME-SCR** 2021/22 NPDES Event #3 (Wet) Rainfall (2.64 in):0.00 Sampler (39 SU): 4210 Level (7.26 ft):7.47 0.15 0.10 \_\_ Grabs (& tox most sensitive sp.) taken @ 11:15 PST 0.05 10 8 6 SU 2 0 8 6 世 2 0 9AM 12PM 9PM 6AM 3PM 6PM

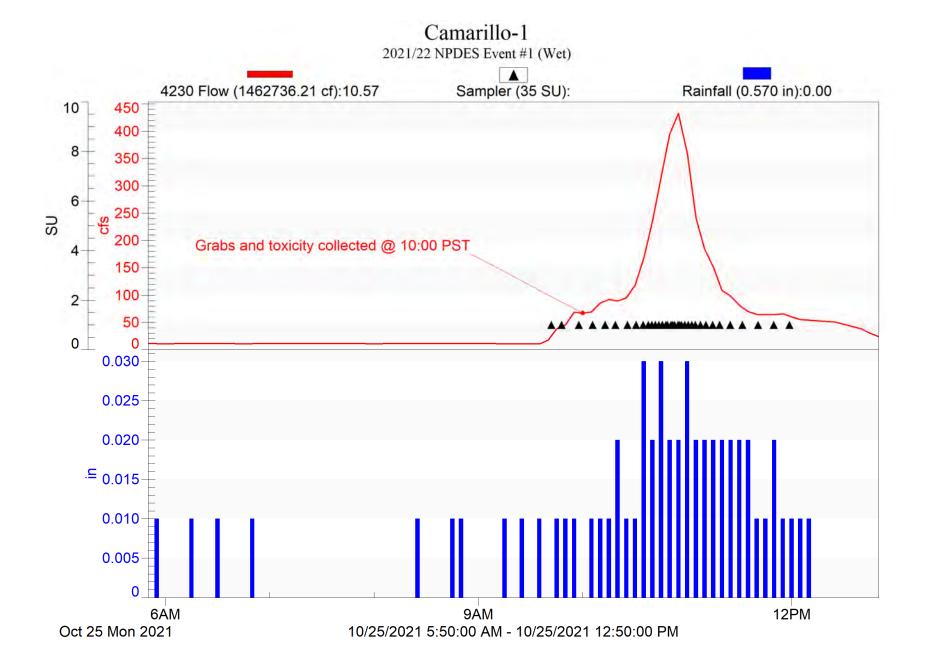
Mar 28 Mon 2022

3/28/2022 5:00:00 AM - 3/28/2022 11:00:00 PM

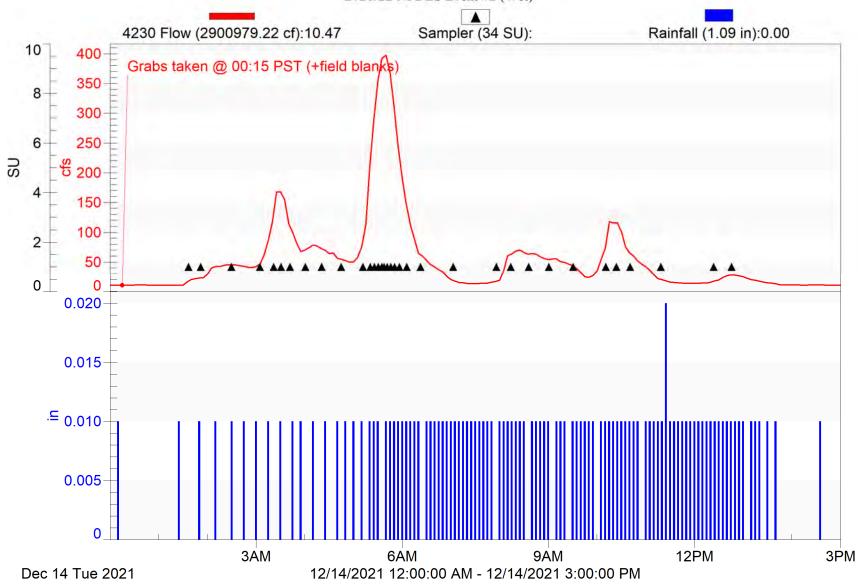


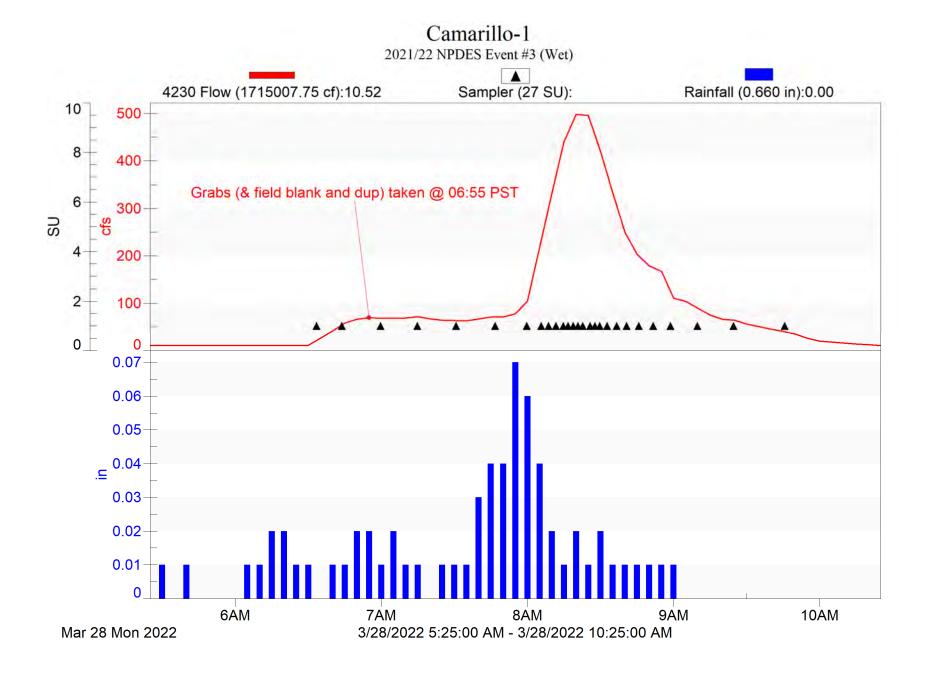
ME-VR2 2021/22 NPDES Event #2 (Wet) Flow Rate (10088472.28 cf):2.00 Sampler (35 SU): Rainfall (2.33 in):0.00 10-600 Grabs taken @ 09:15 PST (incl tox most sens sp.) 8 500 400 6 S 300 200 2 100  $\mathsf{o}^\perp$ 0 0.10 0.08 .⊆ 0.06 0.04 0.02 9PM 14 Tue 3AM 6AM 9AM 12PM 3PM 6PM Dec 13 Mon 2021 12/13/2021 7:20:00 PM - 12/14/2021 7:20:00 PM

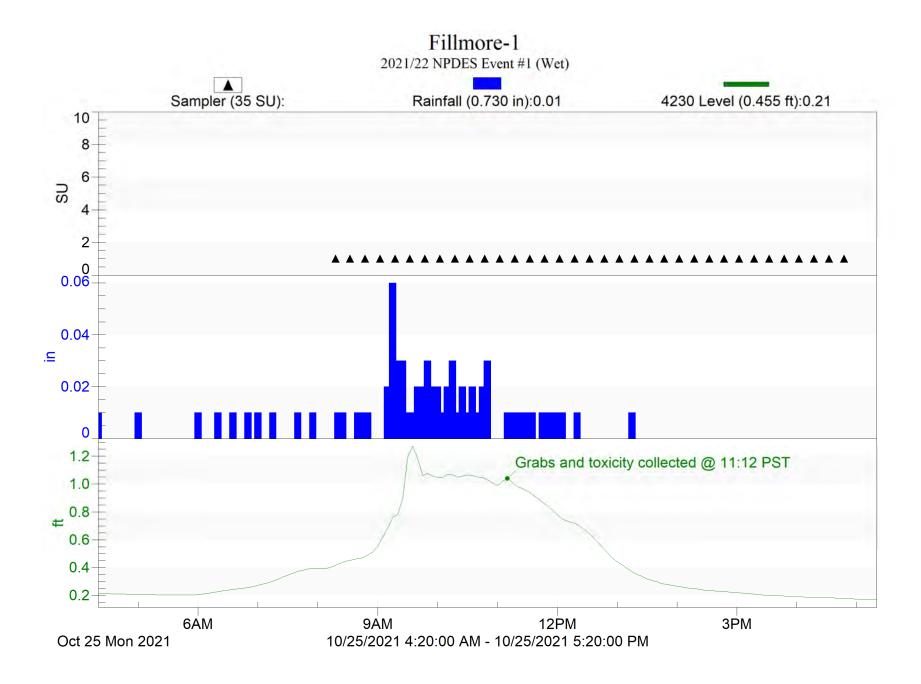


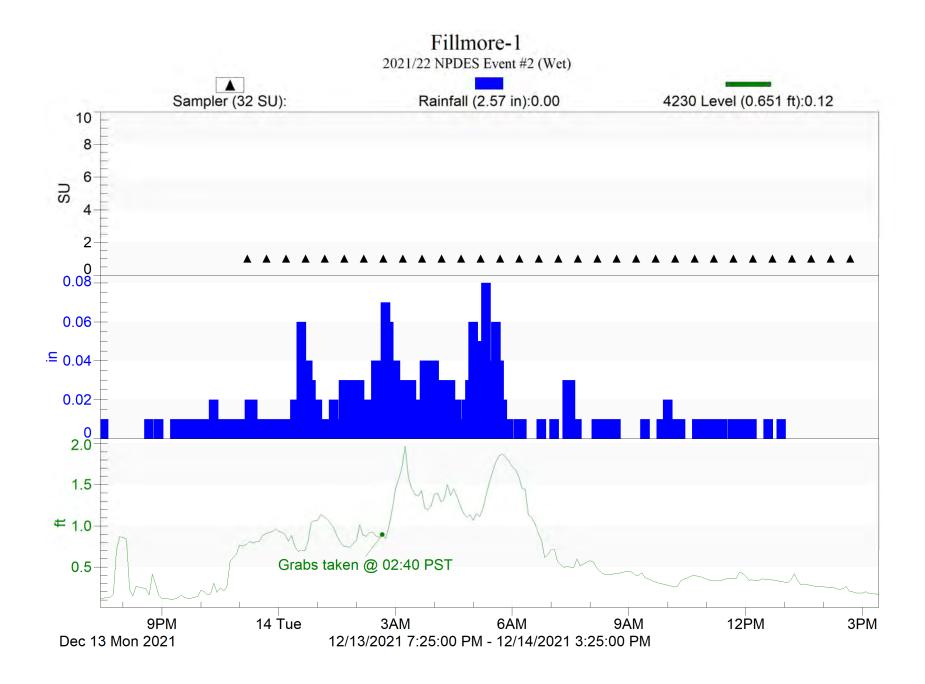


Camarillo-1 2021/22 NPDES Event #2 (Wet)

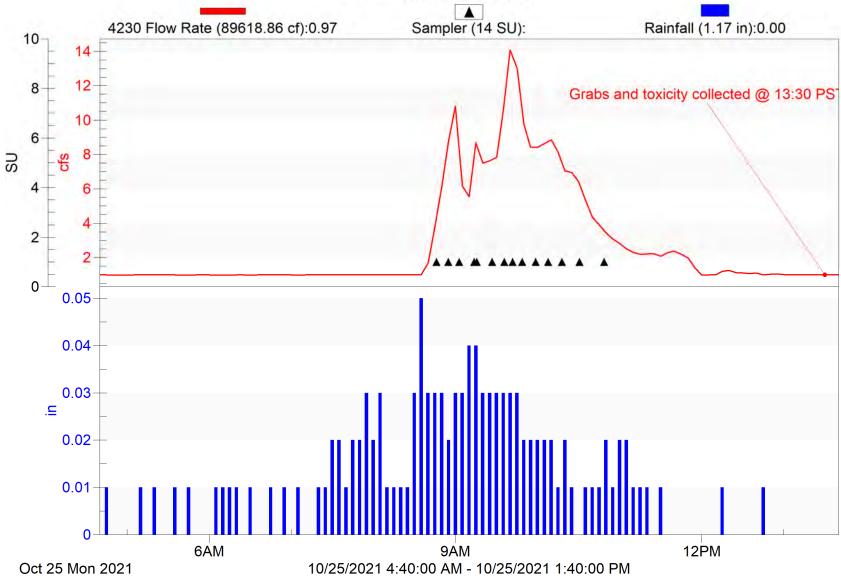


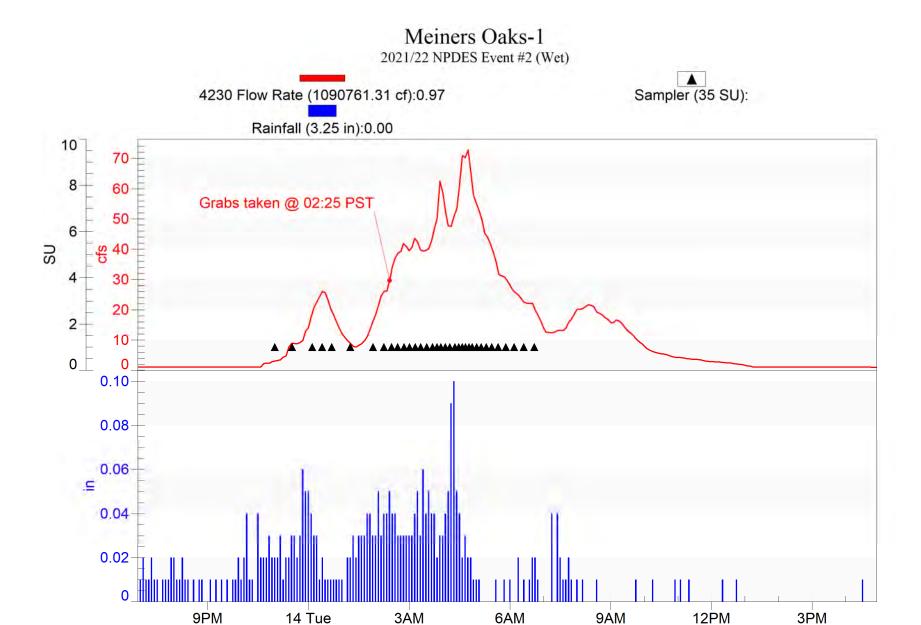






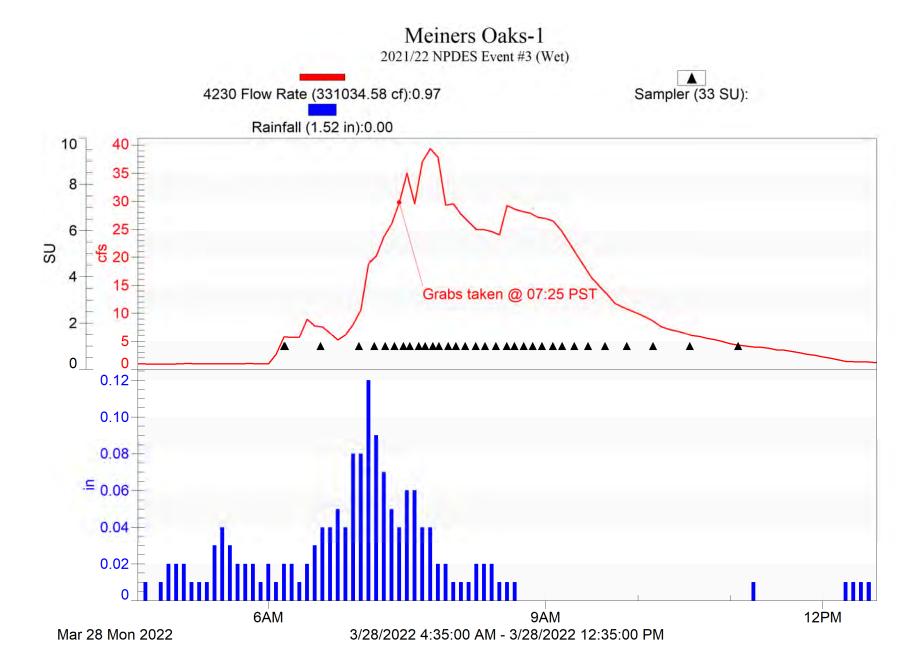


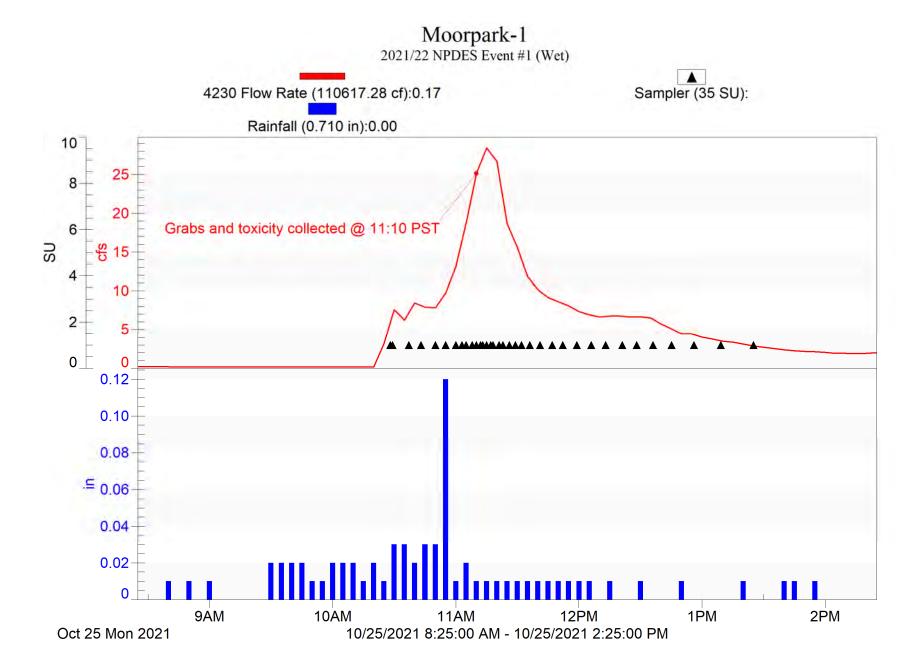


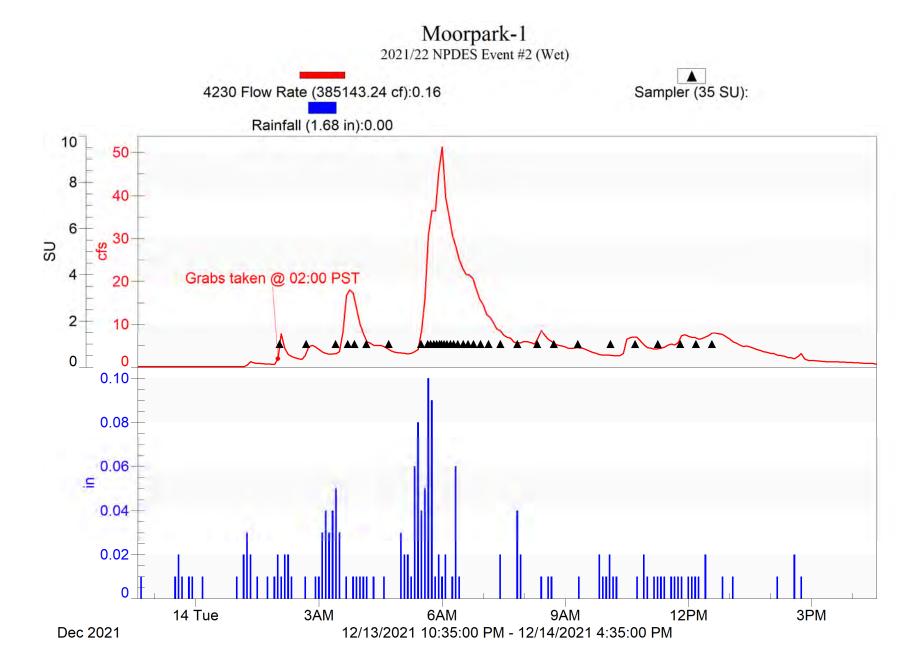


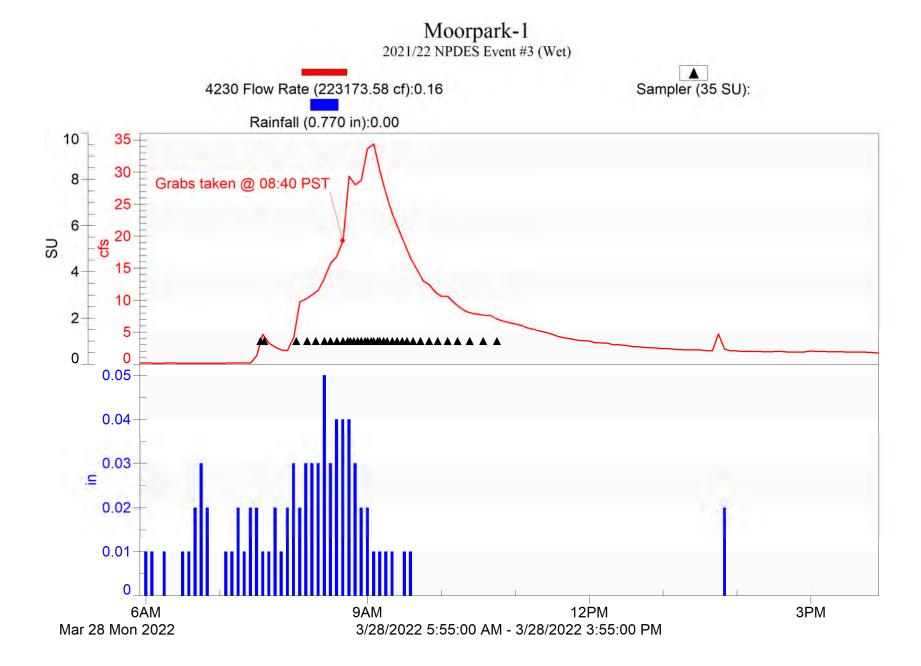
Dec 13 Mon 2021

12/13/2021 6:55:00 PM - 12/14/2021 4:55:00 PM





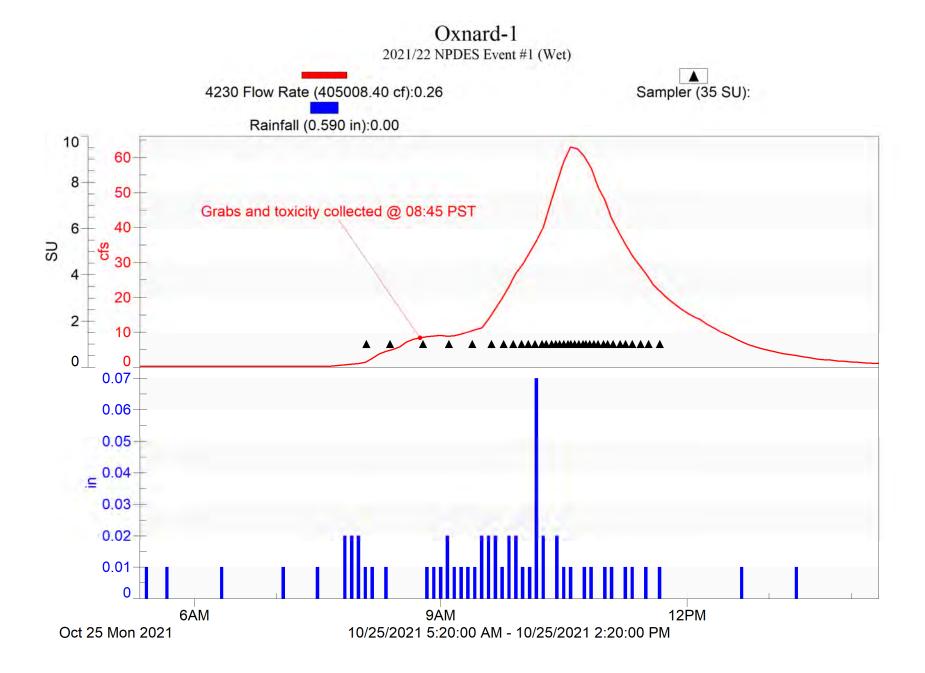




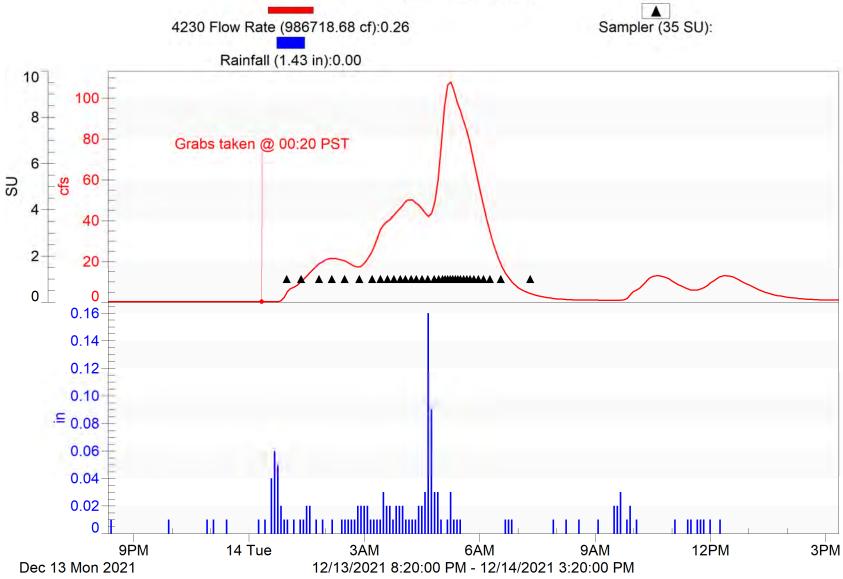
Ojai-1 2021/22 NPDES Event #1 (Wet) 4230 Flow Rate (262583.48 cf):5.00 Sampler (26 SU): Rainfall (1.17 in):0.00 25 Field blank collected @ 12:30 PST 20 Grabs and toxicity collected @ 11:45 PST \$ 15 10 5 10 8 6 SU 2 0.05 0.04 .⊆ <sup>0.03-</sup> 0.02 0.01 0 6AM 12PM 9AM Oct 25 Mon 2021 10/25/2021 3:45:00 AM - 10/25/2021 1:45:00 PM

Ojai-1 2021/22 NPDES Event #2 (Wet) 4230 Flow Rate (1123980.67 cf):5.03 Sampler (35 SU): Rainfall (3.02 in):0.00 Grabs taken @ 01:40 PST 100 cfs 50 10 8 6 SU 2 0 0.10 ⊑ 0.05 9PM 6AM 14 Tue 3AM 12/13/2021 6:55:00 PM - 12/14/2021 8:55:00 AM Dec 13 Mon 2021

Ojai-1 2021/22 NPDES Event #3 (Wet) 4230 Flow Rate (389566.05 cf):5.06 Sampler (35 SU): Rainfall (1.49 in):0.00 80 60 Grabs taken @ 06:30 PST st 40 20 10 8 6 SU 2 0.10 0.08 .⊑ 0.06-0.04 0.02 0 5AM 6AM 7AM 8AM 9AM Mar 28 Mon 2022 3/28/2022 4:45:00 AM - 3/28/2022 9:45:00 AM



Oxnard-1 2021/22 NPDES Event #2 (Wet)

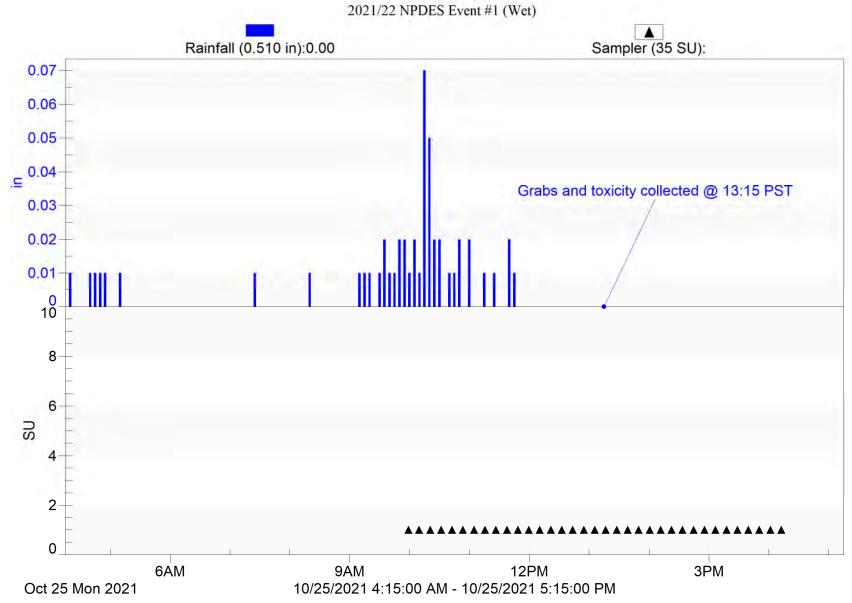


Oxnard-1 2021/22 NPDES Event #3 (Wet) Sampler (35 SU): 4230 Flow Rate (670617.76 cf):0.25 Rainfall (0.880 in):0.00 10 120 8 100 80 Grabs taken @ 07:30 PST S 60 40 2 20 0 0 0.08 0.07 0.06 0.05 ⊆ 0.04 0.03-0.02 0.01 0 3AM 6AM 9AM

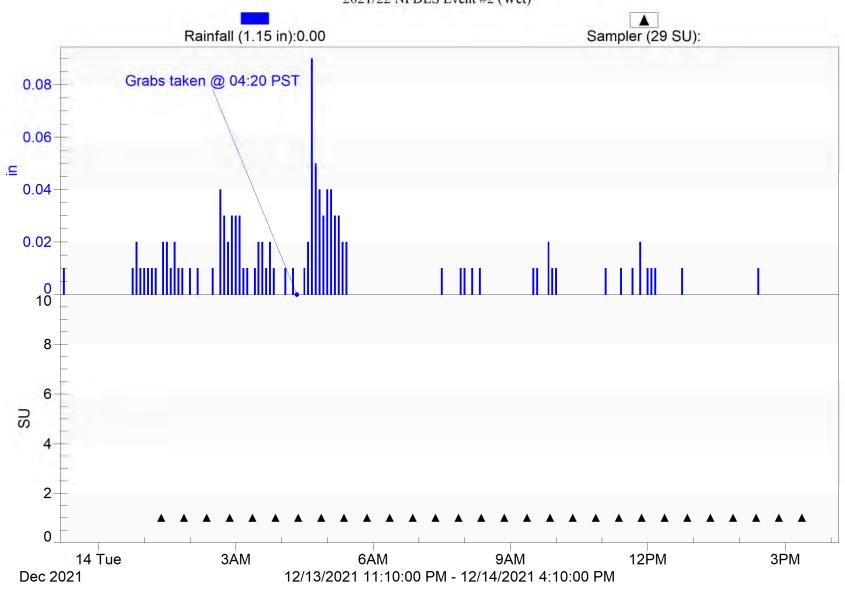
Mar 28 Mon 2022

3/28/2022 1:45:00 AM - 3/28/2022 11:45:00 AM

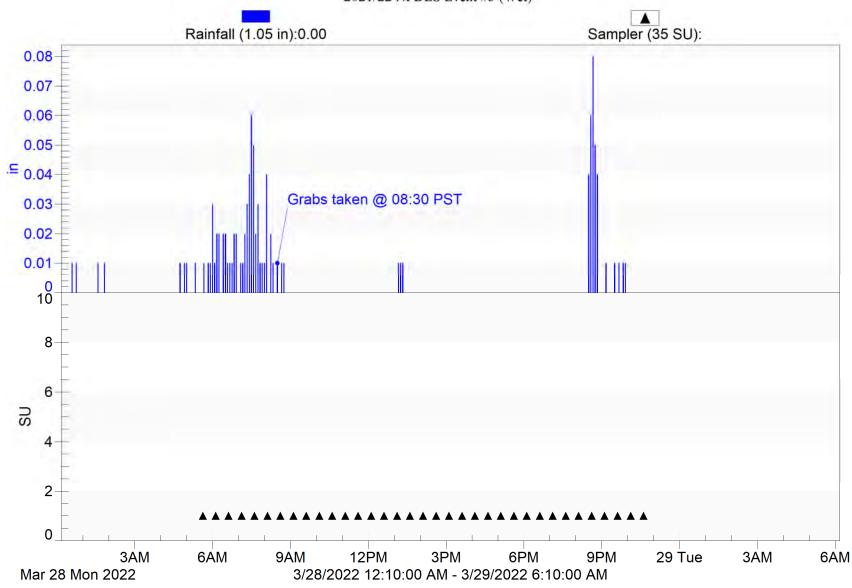
# Port Hueneme-1

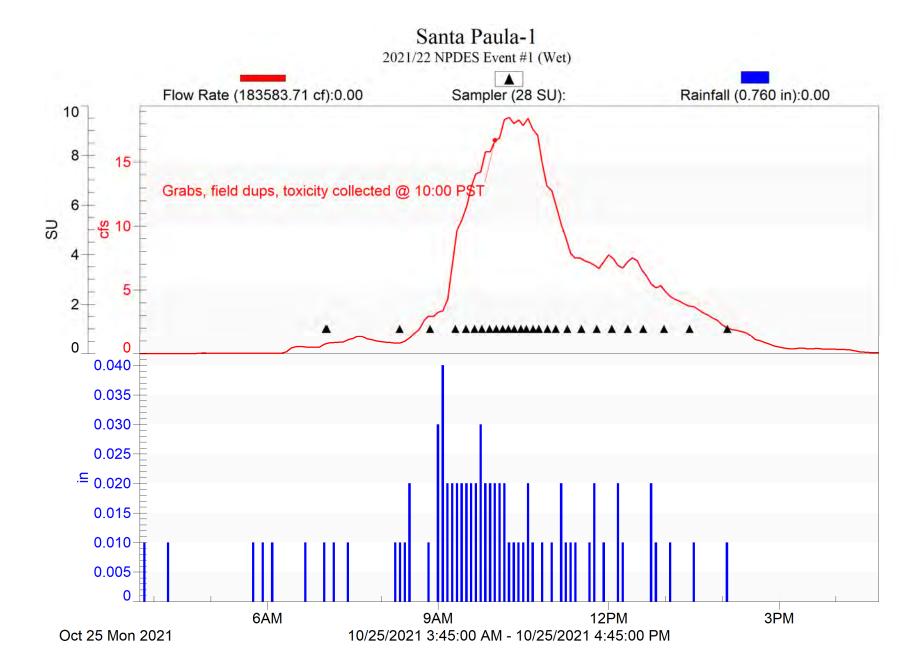


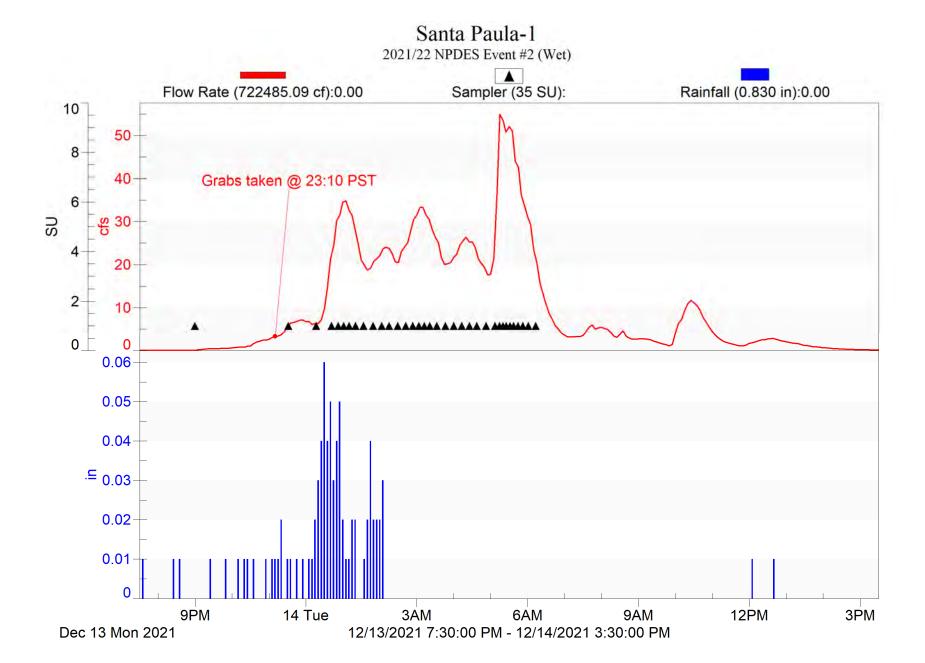
Port Hueneme-1 2021/22 NPDES Event #2 (Wet)

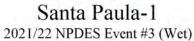


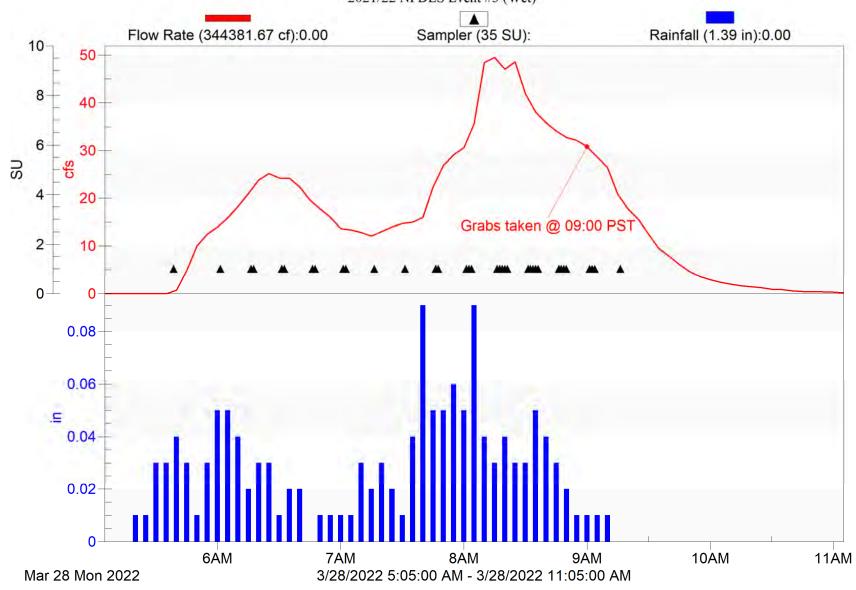
Port Hueneme-1 2021/22 NPDES Event #3 (Wet)



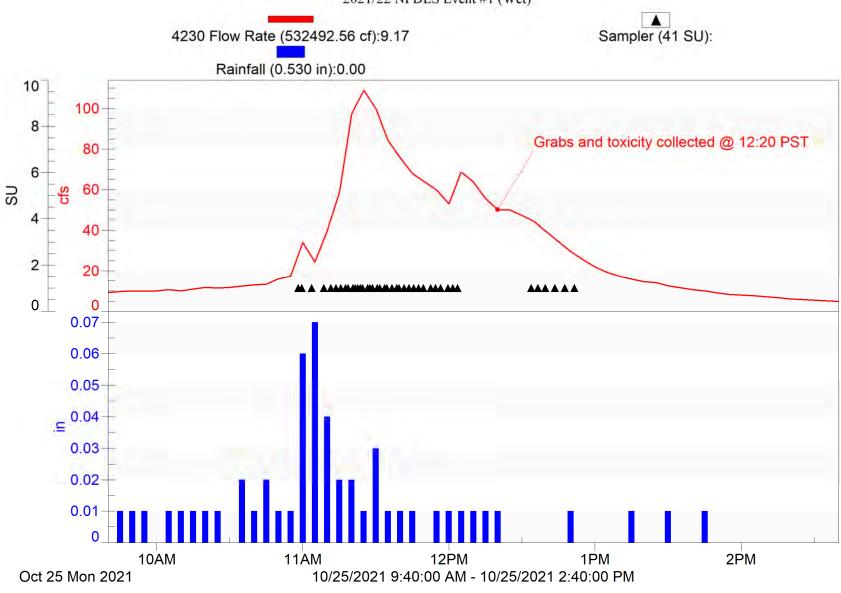




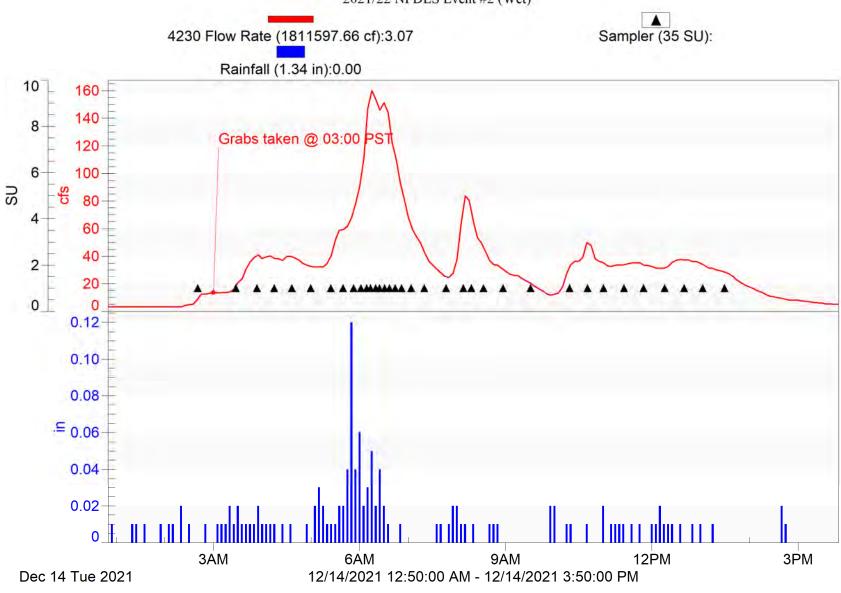




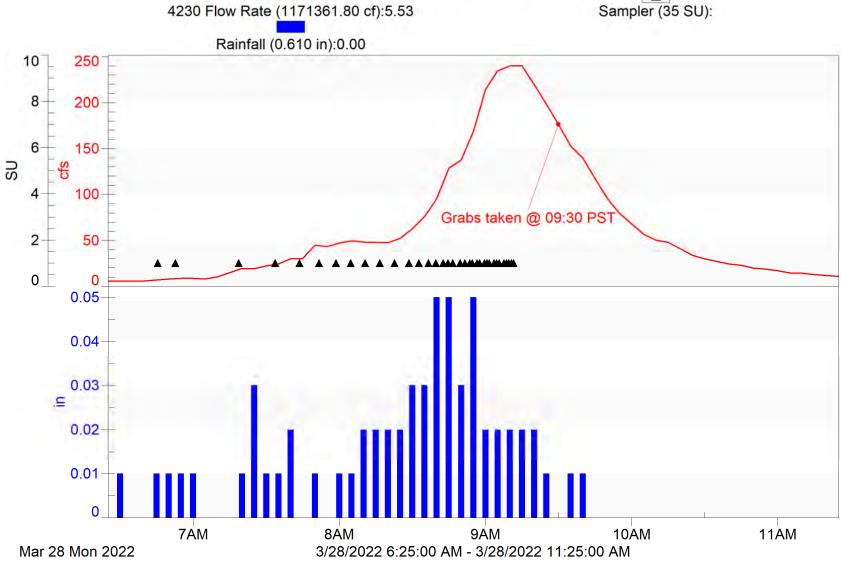
## Simi Valley-1 2021/22 NPDES Event #1 (Wet)

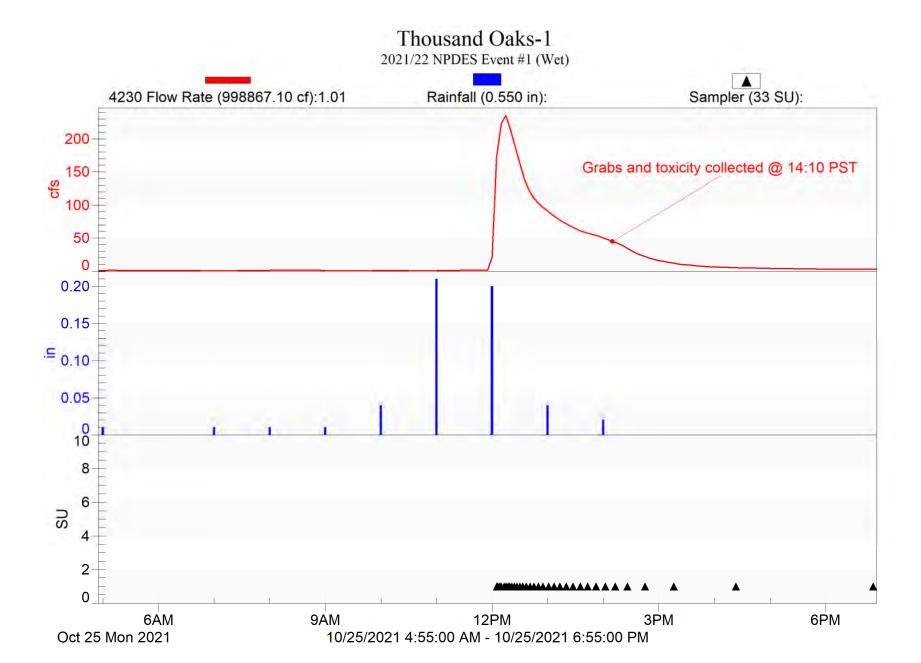


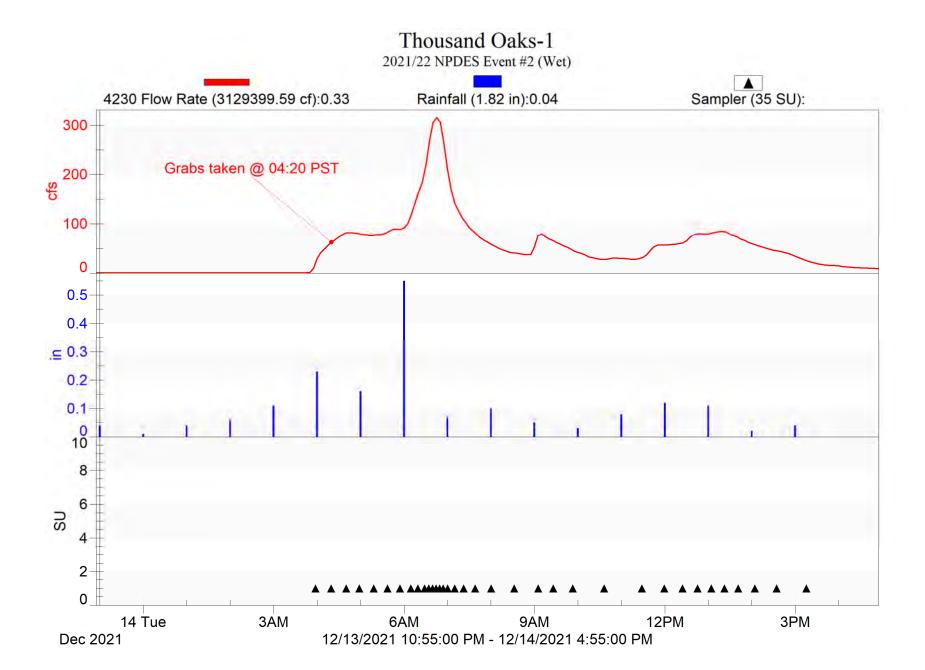
## Simi Valley-1 2021/22 NPDES Event #2 (Wet)



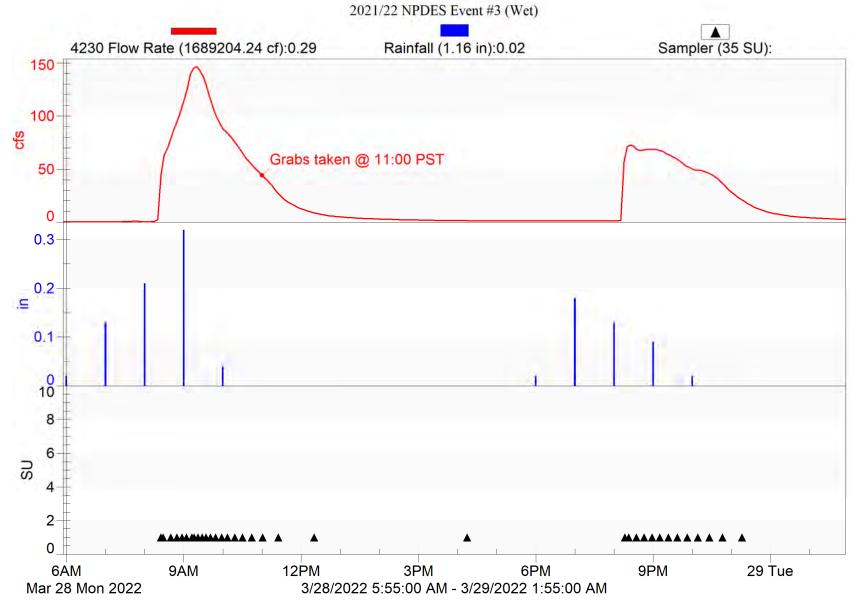


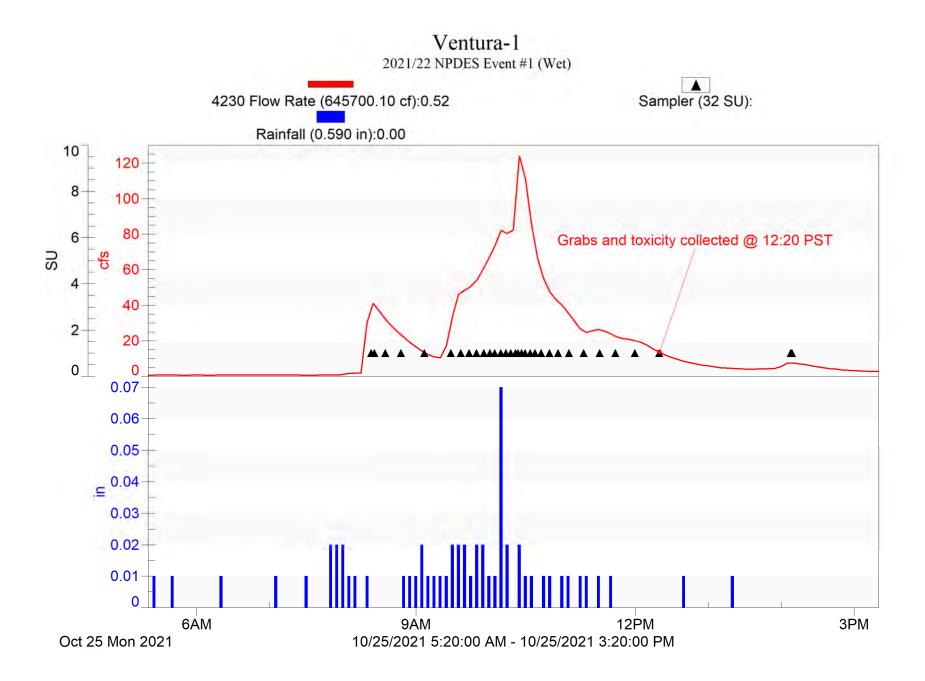


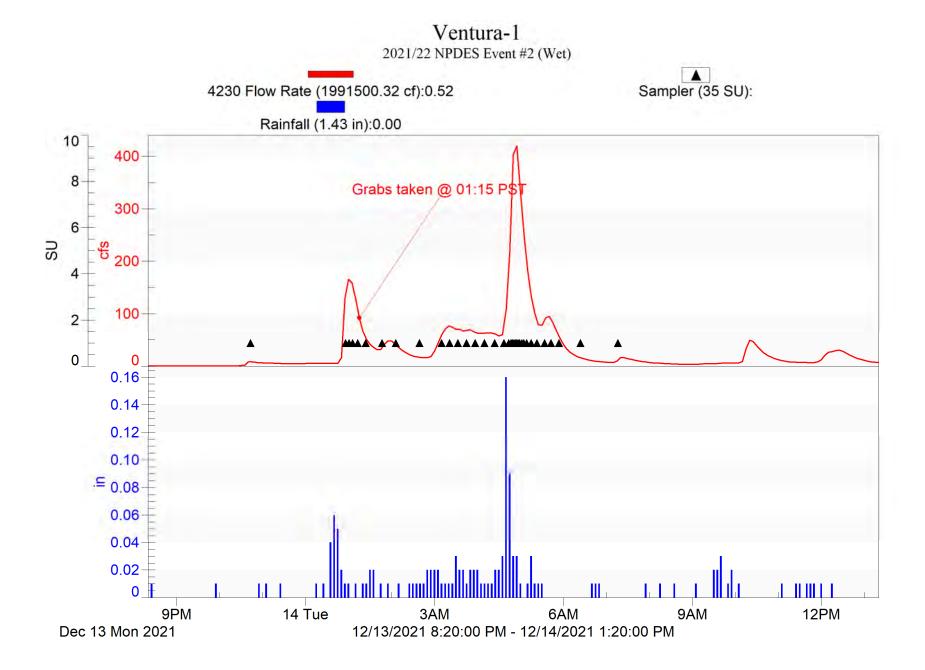




# Thousand Oaks-1







Ventura-1 2021/22 NPDES Event #3 (Wet) Sampler (35 SU): 4230 Flow Rate (2159459.31 cf):1.14 Rainfall (2.31 in):0.00 10-250 8 200 <u>န</u> 150-Grabs taken @ 06:45 PST SU 100 2 50 0\_ 0.14 0.12-0.10-.⊆ 0.08 0.06 0.04 0.02 0-3AM 6AM 9AM 12PM 3PM 6PM 9PM Mar 28 Mon 2022 3/28/2022 1:45:00 AM - 3/28/2022 10:45:00 PM

Appendix	C. NRCS Curv	ve Number M	lethodology	Discussion	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 OSCS III WI DEO Dalabase (ASSCSSOI 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
Facilitiy	Other Special Use Facilities	indlow
Facilitiy	Police and Sheriff Stations**	indlow
Facilitiy	Religious Facilities	indlow
Facilitiy	Special Care Facilities	indlow
Industrial 1	Open Storage	indlow
Industrial_1	Packing Houses and Grain Elevators	indlow
Industrial_3	Manufacturing, Assembly, and Industrial Services	indhigh
No Info Given		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.

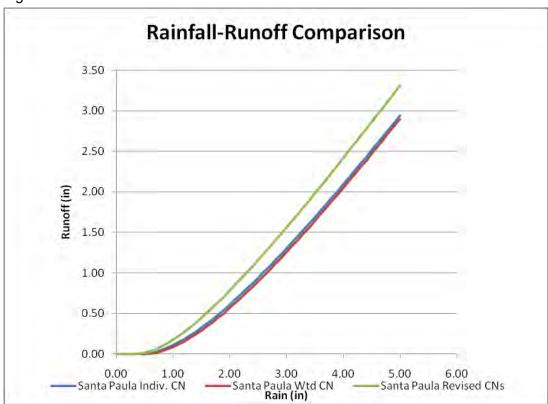
Table 3: Storm Yield Results- Weighted Average Curve Numbers with Updated CNs

	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 2<sup>nd</sup> 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

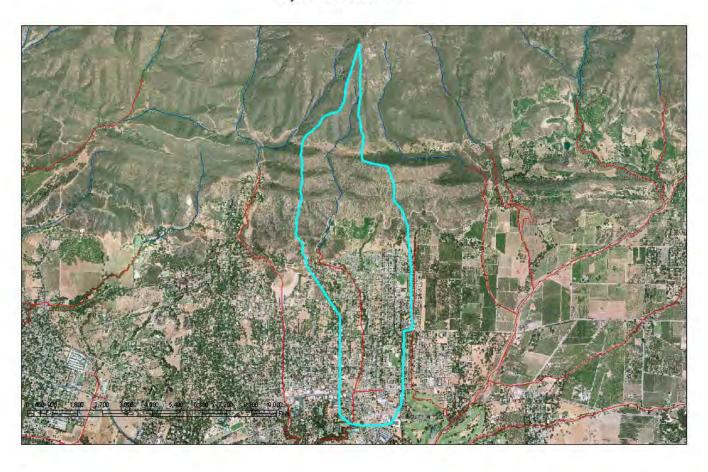


Figure 4

## Camarillo Hills Drain Watershed

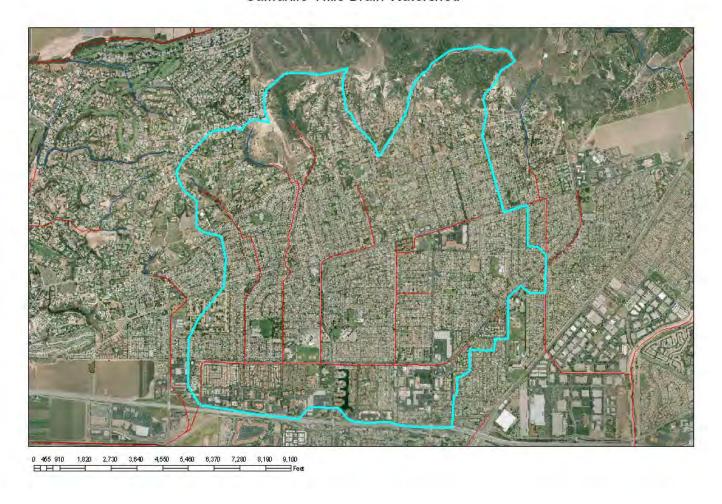


Figure 5

## Simi Valley Watershed



Figure 6

### Oxnard Watershed

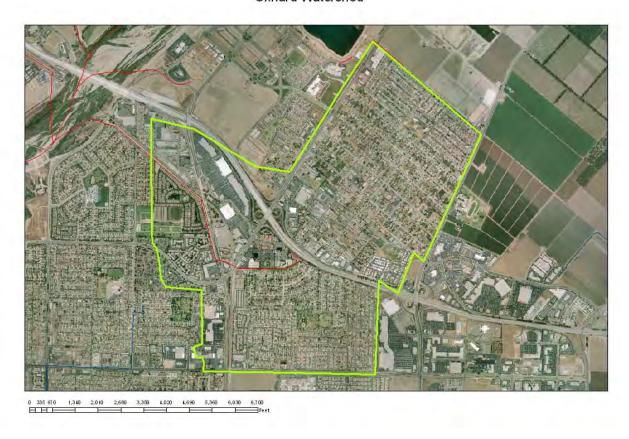


Figure 7

## Moorpark Watershed



Figure 8

## Port Hueneme Watershed



Figure 9

## Fillmore Watershed

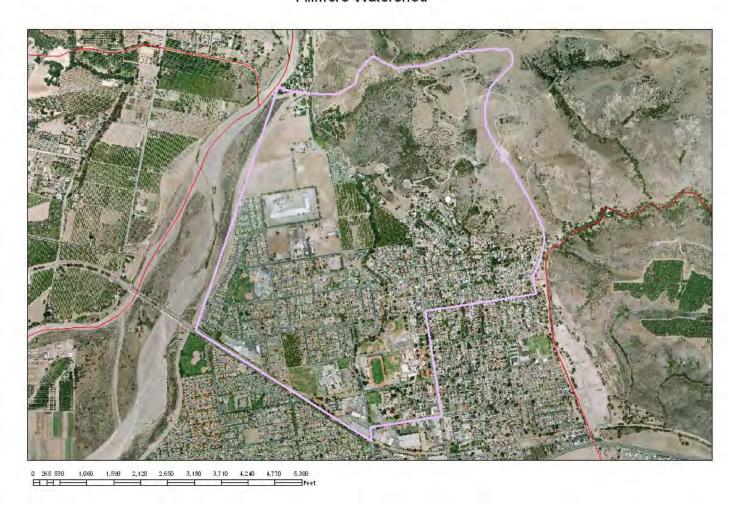


Figure 10

## Thousand Oaks Watershed

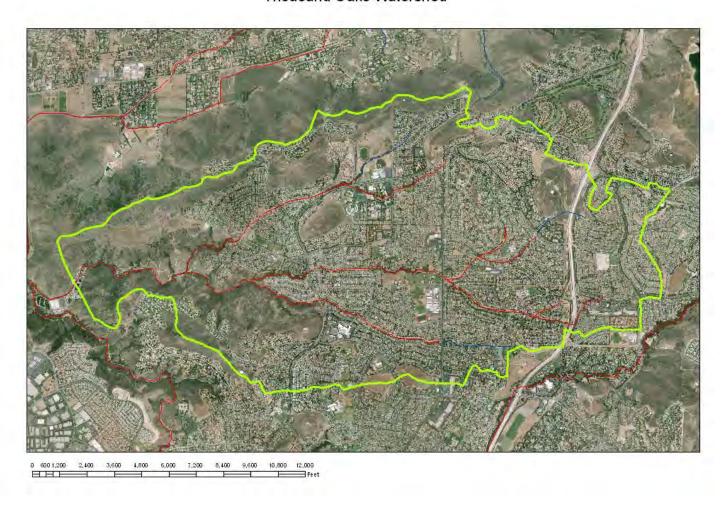


Figure 11

## Santa Paula Watershed



Figure 12

Appendix D. Event Summaries

					Arrival	DCT/	Flowmeter	Flowmeter	Outside	Eridao T		Dumn		Comp bottle status	Comp Duration	_	Grah	Tovicity	
<u>Site</u>	Event	Visit	Staff	<u>Date</u>	Arrival Time		<u>Level</u> (feet)	Flow (cfs)	Outside Staff (ft)	Fridge T <u>°C</u>	Flush (L)	<u>Pump</u> Count	Program/6712 Display	Comp bottle status/ Estimated Vol (L)	(nearest half hrs)	Comp Time	Grab Time	Toxicity Time	<u>′</u> Notes
										Turned			Flow: 1 pulse/500mlx35, program						4230 desiccant blue. Grab bottles and tox
ME-CC	1	1	LS	10/24/2021	1505	PDT	1.664	NA	1.6	on	2L Distilled	96,303	disabled	bottle, lid off.					buckets placed onsite
ME-CC	1	2	DL,DW	10/25/2021	1430	PDT	2.671	NA	~2.65	0			Sample 14 after 1 pulse	8L			1440	1440	
														Full to brim. Homogenized and					
														poured off to					
														bottom of neck for					* Left staff not visible. From right staff.
ME-CC	1	3	MC,SC	10/26/2021	0835	PDT	2.773	NA	(2.88*)	2	2L Distilled	469,045	Program done	stopper		0845			Turned off 6712 and fridge (propped open)
													Time: 20 min/500mlx35, program	Installed labelled					Lowered swing arm. Grab bottles and tox
ME-SCR	1	1	DL	10/24/2021	1243	PDT	2.993	NA	NA	0	4L Distilled	13,534	disabled	bottle, lid off.					buckets placed onsite.
													At sample 20, bottle 19.5L.						Disconnected com port from back of 6712
NAT CCD	1	2	DI DW	10/25/2021	1525	DDT	2.002	NIA	NIA	0			Calibrated and restarted for 15	10 FL dumanad %71			1545	1545	during calibration and reconnected when
ME-SCR ME-SCR	1	2 3	DL,DW WBC,KH	10/25/2021 10/26/2021			2.993 3.389	NA NA	NA NA	0 1	2L Distilled	310,707	samples. Sample 2 in 16:48 Program done	19.5L, dumped ~7L 19.5L		0825	1545	1545	done. Raised swing arm. Turned off 6712.
IVIL JCIN			W DC, KIT	10/20/2021	0023	101	3.303	IVA	out of	-3,	ZE Distilieu	310,707	Flow: 1 pulse/500mlx35, program			0023			4230 desiccant blue. Grab bottles and tox
ME-VR2	1	1	DL	10/24/2021	1138	PDT	5.035	NA	contact	adjusted	4L Distilled	50,542	disabled	bottle, lid off.					buckets placed onsite
									out of	,		,		•					·
ME-VR2	1	2	DL,DW	10/25/2021	1325	PDT	5.191	NA	contact	1			Sample 13 after 1 pulse	6.5L			1335	1335	
									out of	_			_						
ME-VR2	1	3	PD,MD	10/26/2021	0833	PDT	5.047	NA	contact	2	2L Distilled	413,580	Program done	17.5L		0835			Turned off 6712
				10/01/0001						Turned			Flow: 1 pulse/500mlx35, program						4230 desiccant pinkish-purple. Grab bottles
MO-CAM		1 2	LS	10/24/2021			0.041	11	dry 0.5	on 2	4L Distilled	34,906	disabled	bottle, lid off. ~1-2L			1100	1100	and tox buckets placed onsite
MO-CAM	1	2	MC,LL	10/25/2021	1050	PDT	0.321	48	0.5	2			Sample 3 after 1 pulse	1-2L			1100	1100	
MO-CAM	1	3	MC,LL	10/25/2021	1603	PDT	0.033	10	0	4	2L Distilled	121,108	Program done	18L		1603			Turned off 6712 and fridge (propped open)
		-	-,	-, -, -						Turned		,	Time: 15 min/500mlx35, program	Installed labelled					4230 desiccant purple/blue. Grab bottles
MO-FIL	1	1	LS	10/24/2021	1115	PDT	0.181	NA		on	2L Distilled	4,245	disabled	bottle, lid off.					and tox buckets placed onsite
MO-FIL	1	2	PD,MD	10/25/2021	1201	PDT	0.982	NA		0			Sample 12 in 1 min	6L			1212	1212	
MO-FIL	1	3	WBC,KH	10/26/2021	0708	PDT	0.128	NA		1	2L Distilled	156,357	Program done	18L		0711			Turned off 6712 and fridge (propped open)
	1	1	KH	10/24/2021	0025	PDT	NA	NIA		2	41 Distilled	E 063	Time: 11 min/500mlx35, program disabled	Installed labelled bottle, lid off.					Crab bottles and toy buckets placed ensite
MO-HUE MO-HUE	1	2	KH PD,MD	10/24/2021			NA NA	NA NA		4	4L Distilled	5,862	Sample 19 in 9 minutes	9L			1415	1415	Grab bottles and tox buckets placed onsite
MO-HUE	1	3	PD,MD	10/26/2021			NA	NA		4	2L Distilled	157,948	Program done	16.5L		0930	1413	1413	Turned off 6712
			,	-1 -1 -						Turned		, , ,	Flow: 1 pulse/500mlx35, program	Installed labelled					Grab bottles and tox buckets placed onsite.
MO-MEI	1	1	DL	10/24/2021	1052	PDT	0.079	1		on	4L Distilled	79,771	disabled	bottle, lid off.					4230 desiccant blue.
MO-MEI	1	2	LS,JB	10/25/2021	1415	PDT	0.078	1	<0.1	2			Program disabled	6L			1430	1430	
										_				-					
MO-MEI	1	3	PD,MD	10/26/2021	0755	PDT	0.077	1	0	3	2L Distilled	113,451	Program disabled	6L		0757			Turned off 6712 and fridge (propped open)
									0. Wet in										
									center of channel	Turned			Flow: 1 pulse/500mlx35, program	Installed labelled					
MO-MPK	1	1	LS	10/24/2021	1205	PDT	0.074	0.2	only	on	2L Distilled	23,708	disabled	bottle, lid off.					Grab bottles and tox buckets placed onsite
MO-MPK		2	MC,LL	10/25/2021			0.477	17.8	0.5	5	22 Distinct	23,700	Sample 9 after 1 pulse	~4L			1210	1210	Crub bottles and tox business placed onsite
			,										·						
MO-MPK	1	3	MC,SC	10/26/2021	0710	PDT	0.069	0.1		2	2L Distilled	157,613	Program done	17.5L		0715			Turned off 6712 and fridge (propped open)
									0. Low flow				m1 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5						
	4	4	DI	40/24/2024	4047	DDT	0.006	-	in center of	2	AL Distillant	22.042	Flow: 1 pulse/500mlx35, program						Desiccant ok. Grab bottles and tox buckets
MO-OJA MO-OJA	1	2	DL	10/24/2021 10/25/2021			0.096 0.102	5	channel <0.1	2	4L Distilled	32,012	disabled Program disabled	bottle, lid off. 13L			1245	1245	placed onsite. Field blank @1330
MO-OJA	1	3	LS,JB PD,MD	10/25/2021			0.102	5 5	0.1	2	2L Distilled	99,591	Program disabled	12.5L		0738	1443	1243	Turned off 6712
3071	-		,	_ 5/ _ 5/ _ 5/2			,		•			20,001	<u> </u>			2,30			
										Turned			Flow: 1 pulse/500mlx35, program	Installed labelled					Desiccant pink, replaced with blue. Grab
MO-OXN	1	1	KH,DL	10/24/2021	0841	PDT	0.111	0.3	Dry	on	4L Distilled	4,358	disabled	bottle, lid off.					bottles and tox buckets placed onsite.
																			Cycled power on 2105 which enabled site
																			because still set to always from dry weather
MO-OXN	1	ว	Di	10/24/2021	1220	DDT													event. Tried to call site remotely to disable but couldn't get through.
		2	DL	10/24/2021	T330	ועץ													שעו נטעועוו ו צבו נוווטעצוו.

MO-OXN MO-OXN	1 1	3 4	WBC,DL LS,JB,PD,MD	10/24/2021 10/25/2021	1630 0940	PDT PDT	0.547	7.8	0.65	4			Flow: 1 pulse/500mlx35, program disabled Sample 3 after 1 pulse	~2L		0945	0945	2105 module failed. Replaced with temporary unit lacking modem so site running blind this event.
MO-OXN	1	5	WBC,KH	10/26/2021	0903	PDT	0.110	0.3	<0.1 cfs	2	2L Distilled	136,516	Program done	18L	0903			Turned off 6712 and fridge (propped open)
									0 (scum									
									built up on	Turned			Flow: 1 pulse/500mlx35, program					Grab bottles and tox buckets placed onsite.
MO-SIM	1	1	LS	10/24/2021	1245	PDT	0.244	7	sides)	on	2L Distilled	35,464	disabled	bottle, lid off.				4230 desiccant pink.
													Program disabled. Reprogrammed	1				Sampler enabled before storm and collected
										Not			- Flow: 1 pulse/500mlx35,	2.5L to 0. Dumped				5 samples pre-storm before being disabled.
MO-SIM	1	2	DL	10/25/2021	0930	PDT				working.			program disabled	pre-storm water.				Added ice to fridge.
													Program done. Reprogrammed					
MO-SIM	1	3	MC,LL	10/25/2021	1312	PDT	0.699	60	0.6	5			for 6 more samples.	15L		1320	1320	
NAO SINA	1	4	MC,LL	10/25/2021	1245	PDT	0.543	37		5	2L Distilled	126,073	Program done	18L	1345			Turned off 6712 and fridge (propped open)
MO-SIM	Т	4	IVIC,LL	10/25/2021	1545	PUI	0.545	3/		Turned	ZL Distilled	120,073	Flow: 1 pulse/500mlx35, program		1545			rumed on 0712 and mage (propped open)
MO-SPA	1	1	KH,DL	10/24/2021	0758	PDT	NA	NA	No flow	on	4L Distilled	15,488	disabled	bottle, lid off.				Grab bottles and tox buckets placed onsite
MO-SPA	1	T	,		1050	PDT	NA NA		Flowing	2	4L Distilled	15,400	Sample 9 after 1 pulse	8L		1100	1100	Field duplicate @ 1100
IVIO-SPA	1	2	L3,JB,PD,IVID	10/25/2021	1050	וטץ	NA	NA	Flowing	2			Sample 9 after 1 pulse	δL		1100	1100	Field duplicate @ 1100
MO-SPA	1	3	WBC,KH	10/26/2021	0736	PDT	NA	NA	No flow	3	2L Distilled	140,878	Program disabled	15L	0736			Turned off fridge and 6712 (propped open)
													Flow: 1 pulse/500mlx35, program	Installed labelled				
MO-THO	1	1	LS	10/24/2021	1417	PDT	2.104	1	2.4	2	2L Distilled	21,458	disabled	bottle, lid off.				Grab bottles and tox buckets placed onsite
MO-THO	1	2	MC,LL	10/25/2021	1505	PDT	3.089	44	3	5			Sample 28 after 1 pulse	15L		1510	1510	
MO-THO	1	3	MC,SC	10/26/2021	0750	PDT	2.099	1	2.5	5	2L Distilled	174,481	Program disabled	17.75L	0755			Turned 6712 off.
										Turned			Flow: 1 pulse/500mlx35, program	Installed labelled				Grab bottles and tox buckets placed onsite.
MO-VEN	1	1	DL	10/24/2021	0924	PDT	0.042	1	Dry	on	4L Distilled	16,536	disabled	bottle, lid off.				4230 desiccant yellow-orange.
MO-VEN	1	2	PD,MD	10/25/2021	1307	PDT	0.379	19	0.3	4			Sample 30 after 1 pulse	2/3 full		1320	1320	
																		Replaced 4230 pink desiccant with blue.
MO-VEN	1	3	WBC,KH	10/26/2021	0930	PDT	0.040	1	<0.01 cfs	2	2L Distilled	103,287	Program disabled	17L	0930			Turned off fridge and 6712 (propped open)

NR: Not recorded

All times are recorded here in PDT

Forecast Rain: 0.5-1.5" storm with highest amounts expected for south and southwest facing mountains and foothills

Actual Rainfall: 0.2-3" across the county, stations were 0.2 (Simi San but may be in error as all other Simi Valley stations gauges were ~0.5-0.6") to 1.17" MEI

Storm Control: Kelly Hahs

## Sample Tracking:

Bacteria samples to VCHCA: 10/25/2021 @ 20:21 PDT (CC/SCR/VR2) by David Laak 10/25/2021 @ 17:15 PDT (CAM/MPK/SIM/THO) by Landon Lujan 10/25/2021 @ 16:05 PDT (OXN/SPA/OJA/MEI) by Lara Shellenbarger 10/25/2021 @ 15:11 PDT (FIL/VEN/HUE) by Peter Doran

Toxicity samples to Aquatic Bioassay and Consulting Laboratories, Inc.: 10/25/2021 @ 17:35 PDT (CC/SCR/VR2) by David Laak 10/25/2021 @ 17:30 PDT (CAM/MPK/SIM/THO) by Michelle Carter 10/25/2021 @ 15:27 PDT (OXN/SPA/OJA/MEI) by Lara Shellenbarger 10/25/2021 @ 16:17 PDT (FIL/VEN/HUE) by Peter Doran

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier (DCS)): 10/26/2021 @ 11:02 PDT (All sampled grabs and composites) to Jose Angulo by William Carey

### Meters

CC/SCR/VR2 (DL/DW): Beckman 255 # 2151, YSI 85 # 03D0379

OXN/SPA/OJA/MEI (LS,JB): Beckman 255 #2554, YSI 85 # 05E1042 (YSI screen freezing so used PD meter at SPA)

OXN/SPA/FIL/VEN/HUE (PD/MD): Beckman 410 # 130240875, YSI 85 # 05E1126

CAM/MPK/SIM/THO (MC/LL): Beckman 410 # 110341139 (stopped working at THO), YSI 85 #01G0625

Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
38	3	3.333
39	4	3.889
40	4	4.444
41	5	5.000
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222
-		•

															Comp				
					A	DCT/	<u>Flowmeter</u>	Fla	O. daida	Full days T		D		Comp bottle	<u>Duration</u>	<b>6</b>	Cuala	T ! - !	
Sito	Event '	\/ici+	<u>Staff</u>	<u>Date</u>	Arrival Time		<u>Level</u> (feet)	Flow (cfs)	Outside Staff (ft)	Fridge T	Flush (L)	<u>Pump</u> Count	Program/6712 Display	status/ Estimated Vol (L)	(nearest half hrs)	Time		Time	<u>Notes</u>
<u>Site</u>	Event	VISIL	<u> 3tan</u>	Date	IIIIe	<u>PDI</u>	(ieet)	Flow (CIS)	Stan (It)	<u>°C</u>	<u>FIUSII (L)</u>	Count	Flogram/0/12 Display	Estimated voi (L)	<u>IIaii IIIS)</u>	mile	<u>IIIIIe</u>	<u>IIIIIe</u>	inorez
ME CC	2	1	WDC	12/10/2021	1000	DCT	2.026	NA	NR	Turned	41 Distilled	426 E12	Flow: 1 pulse/500mlx35, program disabled	n Installed labelled bottle, lid off.					4230 desiccant purple. Using 240 hours run time.
ME-CC	2	1	WBC	12/10/2021	1000	P31	2.036	NA	INK	on	4L Distilled	426,513	disabled	bottle, ild off.					3x5-gallons taken for toxicity most sensitive
																			species screening. Field duplicate taken at
ME-CC	2	2	WBC,SM	12/14/2021	1217	PST	4.931	NA	4.9 (photo)	4			Sample 17 after 1 pulse	8-9L			1220	1220	12:20
																			Suspect clog in intake line somewhere. Flushing water blew the line open (at joint
																			in house). Troubleshooting required.
																			Turned fridge off. No sample at least
																			sample 17+. No sample first 14M CF
ME-CC	2	3	KH,WBC	12/15/2021	0750	PST	2.595	NA	NR	2	2L Distilled	NR	Program done	8.5L		0750			(programmed 1M CF).
	_												Time: 40 min/500mlx35, program						
ME-SCR ME-SCR	2	1	MC,SC,KH WBC,SM	12/11/2021			3.386	NA	NA NA	-3 1	4L Distilled	315,042	disabled	bottle, lid off. 9L			1100	1100	dumped half sample to 9L
IVIE-SCR	2	2	WBC,SIVI	12/14/2021	1051	P31	3.156	NA	IVA	1			Sample 18	9L			1100	1100	dumped half sample to 9L
																			No more liquid samples 4,8,9. No liquid
																			detected samples 10,11,13-35. Opening of
																			sluice gate likely lowered level below swing
	_	_											Program done. Errors have	441					arm/intake reach. Raised swing arm and
ME-SCR	2	3	KH,WBC	12/15/2021	0830	PST	6.647	NA	NA	1	2L Distilled	714,528	occurred.	11L		0830			secured to railing.
													Flow: 1 pulse/500mlx35, program	n Installed lahelled					
ME-VR2	2	1	MC.SC	12/11/2021	1513	PST	5.08	NA		0	4L Distilled	413,580		bottle, lid off.					4230 desiccant purple
ME-VR2	2	2	-	12/14/2021			7.668	NA		2	2L Distilled	•	Program done	18L		0915	0915	0915	• •
	_									Turned			Flow: 1 pulse/500mlx35, program						
MO-CAM MO-CAM	2	1 2	LS MC,JB	12/10/2021 12/14/2021			0.033 0.038	10 11	0	on -2	4L Distilled	125,911	disabled Program disabled	bottle, lid off. OL			0015		4230 desiccant pink Field blank at 00:20
MO-CAM	2	3	MC,SC	12/14/2021			0.038	10	0	4	2L Distilled	209,511	Program disabled	16.25L		1638	0013		Turned off fridge and 6712
			-,	, , -								,-							,
										Turned			Time: 40 min/500mlx35, program	Installed labelled					
MO-FIL	2	1	MC,SC	12/11/2021	1140	PST	0.145	NA	NA	on	4L Distilled	160,416	disabled	bottle, lid off.					4230 desiccant purple.
																			Charled hubbles line and intole line class
MO-FIL	2	2	LS	12/13/2021	1255	DST		NA	NA				Changed to 30 min pacing						Checked bubbler line and intake line clear in channel. Manually purged bubbler line.
IVIO-I IL	2	۷	LJ	12/13/2021	1333	F31		IVA	IVA				changed to 30 mm pacing						One GRO VOA didn't get filled. Turned
MO-FIL	2	3	LS,SC	12/14/2021	0220	PST	0.918	NA	NA	4.5			Sample 8 in 19:19	2.5L			0240		fridge down a little.
													Sample 32 in 02:33 (waited for						Turned off fridge and 6712, propped fridge
MO-FIL	2	4	DL,DW	12/15/2021	1437	PST	0.288	NA	NA	-6	2L Distilled	297,971	sample 32)	16.5L		1445			open.
													Time at 20 main /500mals/25	المحالم المحالم ا					
MO-HUE	2	1	WBC	12/10/2021	0910	PST	NA	NA		4	4L Distilled	163,695	Time: 30 min/500mlx35, program disabled	bottle, lid off.					
MO-HUE	2	2	LS,SC	12/14/2021			NA	NA		2	4L Distilled	103,033	Sample 7 in 9:03	4L			0420		
MO-HUE	2	3	WBC,SM	12/14/2021			NA	NA		4	2L Distilled	293,598	Sample 30 of 35	13.5L		1543			
	_			40.45.45.5				_	-	Turned		<b></b>	Flow: 1 pulse/500mlx35, program						
MO-MEI	2	1	MC,SC	12/11/2021			0.078 0.373	1	0	on 2	4L Distilled	117,553	disabled	bottle, lid off.			0225		Desiccant pink/purple
MO-MEI MO-MEI	2	3	DL,DW KH,LS	12/14/2021 12/14/2021			0.373	25 1	0.35 <toe< td=""><td>2 1</td><td>2L Distilled</td><td>196,989</td><td>Sample 8 after 1 pulse Program done</td><td>3L 13.5L</td><td></td><td>1415</td><td>0225</td><td></td><td>Turned off fridge and 6712</td></toe<>	2 1	2L Distilled	196,989	Sample 8 after 1 pulse Program done	3L 13.5L		1415	0225		Turned off fridge and 6712
			,25	, _ 1, 2021	-1-2		5.57.5	-			5.561164		<b>J</b>						101111111
										Turned			Flow: 1 pulse/500mlx35, program	n Installed labelled					
MO-MPK	2	1	LS	12/10/2021	1200	PST	0.077	0.2	<toe< td=""><td>on</td><td>4L Distilled</td><td>162,269</td><td>disabled</td><td>bottle, lid off.</td><td></td><td></td><td></td><td></td><td>240 hour max run time</td></toe<>	on	4L Distilled	162,269	disabled	bottle, lid off.					240 hour max run time
										-8									
MO-MPK	2	2	MC,JB	12/14/2021	<b>0155</b>	DCT	0.106	0.6	3 in	(adjuste d)			Sample 2 after 1 pulse	0.25L			0200		
INIO-INICK	_	_	MC,SC	12/14/2021			0.106	4.1	3 111	u) -2	2L Distilled	295,110	•	16.25L		1445	0200		Turned off fridge and 6712

MO-OJA MO-OJA MO-OJA	2 2 2	1 2 3	MC,SC DL,DW KH,LS	12/11/2021 12/14/2021 12/14/2021	0127	PST	0.098 0.121 0.1	5 6 5	0 0.1 <toe< th=""><th>3 2 2</th><th>4L Distilled  2L Distilled</th><th>103,866 193,957</th><th>Flow: 1 pulse/500mlx35, progr disabled Program disabled Program done</th><th>ram Installed labelled bottle, lid off. 4L 17L</th><th>0140</th><th>4230 desiccant purple  4230 desiccant pink-purple. Discharge from side channel near athletic club</th></toe<>	3 2 2	4L Distilled  2L Distilled	103,866 193,957	Flow: 1 pulse/500mlx35, progr disabled Program disabled Program done	ram Installed labelled bottle, lid off. 4L 17L	0140	4230 desiccant purple  4230 desiccant pink-purple. Discharge from side channel near athletic club
			,	,,						Turned			Flow: 1 pulse/500mlx35, progr	ram Installed labelled		4230 desiccant pink. Changed to 240 hrs
MO-OXN	2	1	MC,SC	12/11/2021	1019	PST	0.112	0.3	0	on	4L Distilled	140,702	disabled	bottle, lid off.		max run time
MO-OXN	2	2	DL,DW	12/14/2021			0.111	0.3	~0.1	3		,	Program disabled	Empty	0020	
													_			Turned off fridge and 6712, propped fridge
MO-OXN	2	3	DL,DW	12/14/2021	1320	PST	0.454	5.5	0.5	0	2L Distilled	269,782	Program done	17.5L	1330	open.
MO-SIM MO-SIM MO-SIM	2 2 2	1 2 3	LS MC,JB MC,SC	12/10/2021 12/14/2021 12/14/2021	0252	PST	0.174 0.32 0.239	0.3 13 7	<0.2 3 in	2 2 2	4L Distilled 2L Distilled	133,341 202,678	Flow: 1 pulse/500mlx35, progr disabled Sample 2 after 1 pulse Program done	ram Installed labelled bottle, lid off. 0.25L 14L	0300 1520	Turned off fridge and 6712
			·							T a al		· ·	Flavor 1 mulas /F00msh/2F massa	reve Installed lebelled		
MO-SPA	2	1	MC,SC	12/11/2021	1222	PST	NA	NA	No flow	Turned on	4L Distilled	145,055	Flow: 1 pulse/500mlx35, progr disabled	bottle, lid off.		
	2				1223	131	INA	INA	INO HOW		4L Distilled	143,033	disabled	bottle, lid off.		
MO-SPA	2	2			2305	PST	NA	NA		3			Sample 2 after 1 pulse	11	2310	
MO-SPA	2	2	LS,SC	12/13/2021	2305	PST	NA	NA		3			Sample 2 after 1 pulse	<b>1</b> L	2310	Turned off fridge and 6712, propped fridge
MO-SPA MO-SPA	2	2					NA NA	NA NA	Flowing	3	2L Distilled	299,549	Sample 2 after 1 pulse  Program done	1L 17L	2310	Turned off fridge and 6712, propped fridge open.
		_	LS,SC	12/13/2021 12/14/2021 12/10/2021 12/14/2021	1408 1328 0413	PST PST PST			Flowing 2 3.2 2.5		2L Distilled  4L Distilled  2L Distilled	299,549 178,817 338,354	·	17L	_	
MO-SPA  MO-THO MO-THO	2 2 2	3	LS,SC DL,DW LS MC,JB	12/13/2021 12/14/2021 12/10/2021 12/14/2021	1408 1328 0413	PST PST PST	NA 2.08 3.369	NA 1 59	2 3.2	0 2 5	4L Distilled	178,817	Program done  Flow: 1 pulse/500mlx35, program disabled Sample 2 after 1 pulse	17L  ram Installed labelled bottle, lid off. 0.25L	0420	open.
MO-SPA  MO-THO MO-THO MO-THO	2 2 2	3	LS,SC  DL,DW  LS  MC,JB  MC,SC	12/13/2021 12/14/2021 12/10/2021 12/14/2021 12/14/2021	1408 1328 0413 1556	PST PST PST PST	2.08 3.369 2.669	1 59 15	2 3.2 2.5	0 2 5 4 Turned	4L Distilled 2L Distilled	178,817 338,354	Program done  Flow: 1 pulse/500mlx35, program disabled Sample 2 after 1 pulse	17L  ram Installed labelled bottle, lid off. 0.25L 17L  ram Installed labelled	0420	open.  240 hr max run time. Desiccant purple-blue  240 hr max run time. Replaced 4230 and
MO-SPA  MO-THO MO-THO	2 2 2 2	3	LS,SC DL,DW LS MC,JB	12/13/2021 12/14/2021 12/10/2021 12/14/2021	1408 1328 0413 1556	PST PST PST PST	NA 2.08 3.369	NA 1 59	2 3.2	0 2 5 4	4L Distilled	178,817	Program done  Flow: 1 pulse/500mlx35, program disabled Sample 2 after 1 pulse Program done  Flow: 1 pulse/500mlx35, program	17L  ram Installed labelled bottle, lid off. 0.25L 17L	0420	open.  240 hr max run time. Desiccant purple-blue

NR: Not recorded

All times are recorded here in PST

Forecast Rain: (NWS) 1-3" coasts and valleys, 3-6" mountains and foothills

Actual Rainfall: Similar to forecast, 0.93-6.44" across the county, 1.07-3.33" at MS4 stations

Storm Control: Kelly Hahs

### Sample Tracking:

Bacteria samples to VCHCA:

12/14/2021 @ 05:45 PST (CAM+FB-1/MPK/SIM/THO) by Michelle Carter

12/14/2021 @ 05:45 PST (OXN/OJA/MEI) by Lara Shellenbarger (for Dave Laak)

12/14/2021 @ 05:45 PST (SPA/FIL/VEN/HUE) by Lara Shellenbarger

12/15/2021 @ 13:20 PST (CC+FD-1/SCR/VR2) by William Carey

Toxicity samples to Aquatic Bioassay and Consulting Laboratories, Inc.:

12/14/2021 @ 15:00 PST (CC/SCR/VR2) by Shannon Morris

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

12/15/2021 @ 09:30 PST (All sampled grabs and composites) to Jose Angulo by Kelly Hahs

### Meters

CC/SCR/VR2 (WBC/SM): Beckman 255 #2554, YSI 85 #01G0625 OXN/OJA/MEI (DL,DW): Beckman 255 #2151, YSI 85 # 05E1126

SPA/FIL/VEN/HUE (LS,SC): YSI EcoSense pH100A #, YSI 85 #

CAM/MPK/SIM/THO (MC/JB): Beckman 410 # 130240875, YSI Pro2020 #13b101923

Beckman 255 # 2151, YSI 85 # 05E1126 Beckman 255 # 2554, YSI 85 # 05E1042

Dog E	DogC	Dog C
Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
39	4	3.889
40	4	4.444
41	5	5.000
38	3	3.333
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222

<u>Site</u>	<u>Event</u>	<u>Visit</u>	<u>Staff</u>	<u>Date</u>	Arrival Time	PST/ PDT	Flowmeter Level (feet)	Flowmeter Flow (cfs)	Outside Staff (ft)	Fridge T <u>°C</u>	Flush (L)	Pump Count	Program/6712 Display	Comp bottle status/ Estimated Vol (L)	Comp Duration (nearest half hrs)	Comp Time		Toxicity Time	<u>Notes</u>
ИЕ-CC	3	1	LS,JB	3/25/2022	1120	PST	0.969	NA	1	Turned on	4L Distilled	10,778	Flow: 1 pulse/500mlx35, program disabled	Installed labelled bottle, lid off.					Grabs and composite bottle onsite
ΛE-CC	3	2	JB,SC	3/28/2022	1148	PST	1.814	NA	1.78	-2 (turned warmer)			Sample 5 after 1 pulse	2L			1155	1155	Collected tox sample for most sensitive species testing
ЛЕ-СС	3	3	LS,SC	3/29/2022	0730	PST	2.041	NA	2	0	2L Distilled	383,707	Program done	22L		0735			Turned off 6712 and fridge (propped open)
⁄IE-SCR	3	1	WBC,SM	3/27/2022	0808	PST	7.577	NA	NA	4	2L Distilled	60,812	Time: 41 min/500mlx35, program disabled	Installed labelled bottle, lid off.					Grabs and composite bottle onsite. Cleane rain gauge. Lowered swing arm.
⁄IE-SCR ⁄IE-SCR	3	2	LS,AS,SM,KB KH,WBC	3/28/2022 3/29/2022		PST PST	9.284 7.627	NA NA	NA NA	6 5	2L Distilled	396,662	Sample 9 after 1 pulse Program done	Overflowed 19L		0830	1115	1115	Dumped sample to 10L, recalibrated and reprogrammed for 30 min intervals for 20 samples. Collected tox sample for most sensitive species testing Raised swing arm and secured to rail. Turned 6712 off.
							5.372						Flavor 1 modes /F00mby2F magazana	المحادة المحادة المحادة					Cycles and commercial betale ancits. Classes
∕IE-VR2	3	1	SC,MD	3/26/2022	1033	PST	(5.484 before clearing)	NA		0	4L Distilled	41,776	Flow: 1 pulse/500mlx35, program disabled	bottle, lid off.					Grabs and composite bottle onsite. Cleared out intake, reemed bubbler orifice. Collected tox sample for most sensitive
ЛЕ-VR2 ЛЕ-VR2	3 3	2	DL,JJ KH,WBC	3/28/2022 3/29/2022		PST PST	6.932 5.557	NA NA		1 2	2L Distilled	407,833	Sample 16 after 1 pulse Program done	7L 16.5L		0727	1200	1210	species testing Turned 6712 off. 4230 desiccant blue
ло-сам		1	LS,JB	3/25/2022		PST	0.036	10	0				Flow: 1 pulse/500mlx35, program			0727			Grabs and composite bottle onsite. 4230 desiccant pink
ло-сам	3	2	JB,SC	3/28/2022	0648	PST	0.405	63	0.35	(turned warmer)			Sample 3 after 1 pulse	0.5L			0655		Field blank 0700. Field duplicate 0655. No bacteria QC samples. Turned off 6712 and fridge (propped oper
ЛО-CAM	3	3	WBC	3/28/2022	1156	PST	0.033	10		4	2L Distilled	284,696	Program disabled	13.5L		1156			4230 desiccant is pink
ЛО-FIL ЛО-FIL	3	1 2	WBC,SM LS,AS,SM,KB	3/27/2022 3/28/2022		PST PST	0.116 0.89	NA NA		Turned on -6	2L Distilled	305,190	Time: 31 min/500mlx35, program disabled Sample 8 after 1 pulse	Installed labelled bottle, lid off. 8L			0945		Grabs and composite bottle onsite.  Desiccant purple/pink  Turned fridge a little warmer
ЛО-FIL	3	3	KH,WBC	3/29/2022	0637	PST	0.136	NA		2	2L Distilled	456,228	Program done	18L		0640			Turned off 6712 and fridge (propped oper Replaced 4230 pink desiccant with blue
ЛО-HUE ЛО-HUE ЛО-HUE	3 3 3	1 2 3	SC,MD DL,JJ LS,SC	3/26/2022 3/28/2022 3/29/2022	0819	PST PST PST	NA NA NA	NA NA NA		2 2 2	4L Distilled 2L Distilled	303,445 454,794	Time: 30 min/500mlx35, program disabled Sample 7 in 17:30 Program done	Installed labelled bottle, lid off. 3.5L 17L		0655	0830		Grabs and composite bottle onsite
ЛО-МЕІ ЛО-МЕІ	3	1 2	SC,MD DL,JJ	3/26/2022 3/28/2022	0945	PST PST	0.078 0.323	1 20	NR 0.35	Turned on 0	4L Distilled	206,525	Flow: 1 pulse/500mlx35, program disabled Sample 6 after 1 pulse	Installed labelled bottle, lid off.			0725		Grabs and composite bottle onsite. 4230 desiccant pink/purple
ло-меі	3	3	DL,JJ	3/28/2022	1100	PST	0.152	4	0.1	0	2L Distilled	279,705	Sample 33 after 1 pulse	12.5L		1110			Turned off 6712 and fridge (propped oper
ЛО-МРК	3	1	LS,JB	3/25/2022		PST	0.77	0.2	0	Turned on	4L Distilled	304,352	Flow: 1 pulse/500mlx35, program disabled	Installed labelled bottle, lid off.					Grabs and composite bottle onsite. 4230 desiccant dark pink
10-МРК	3	2	JB,SC	3/28/2022	0826	PST	0.433	14.7		0 (turned a little warmer)			Sample 8 after 1 pulse	2L			0840		Turned off 6712 and fridge (propped oper
ЛО-МРК	3	3	WBC	3/28/2022	1105	PST	0.265	5.8		4	2L Distilled	438,925	Program done	16L		1105			4230 desiccant pink
10-OJA	3	1	SC,MD	3/26/2022	0903	PST	0.1	5	0	2	4L Distilled	203,491	Flow: 1 pulse/500mlx35, program disabled	Installed labelled bottle, lid off.					Grabs and composite bottle onsite. 4230 desiccant purple/dark pink.

MO-OJA	3	2	DL,JJ	3/28/2022	0617	PST	0.12	7	NR 0. Flow	0			Program disabled	1L	0630	
MO-OJA	3	3	DL,JJ	3/28/2022	1032	PST	0.099	5	thalweg	2	2L Distilled	293,764	Program done	16.5L	1040	Turned off 6712
MO-OXN MO-OXN	3	1 2	WBC,SM LS,AS,SM,KB	3/27/2022 3/28/2022	0930 0720	PST PST	0.11 1.3	1.3 37	Dry 2.4	Turned on	2L Distilled	277,203	Flow: 1 pulse/500mlx35, program disabled Sample 5 after 1 pulse	Installed labelled bottle, lid off. 3L	0730	Grabs and composite bottle onsite
MO-OXN	3	3	LS,AS,SM,KB	3/28/2022	1334	PST	0.112		1	6	2L Distilled	408,507	Program done	16.5L	1345	Turned off 6712 and fridge (propped open)
MO-SIM MO-SIM MO-SIM MO-SIM	3 3 3 3	1 2 3 4	LS,JB LS JB,SC JB,SC	3/25/2022 3/27/2022 3/28/2022 3/28/2022	0935 1520 0918 1014	PST PST PST PST	NR 0.372 to 0.214 1.555 0.628	NR 18.5 to 5.2 234 49	NR 1.4	Turned on 1 1	4L Distilled  2L Distilled	213,433 284,145	Flow: 1 pulse/500mlx35, program disabled  Program done Program done	Installed labelled bottle, lid off. 15L 15L	0930 1018	Grabs and composite bottle onsite. Cleared intake line Reamed bubbler orifice tip
MO-SPA	3	1	WBC,SM	3/27/2022	0715	PST	NA	NA	No flow	Turned on	2L Distilled	308,448	Flow: 1 pulse/500mlx35, program disabled	Installed labelled bottle, lid off.		Grabs and composite bottle onsite  Modem crashed during programming so  direct connect to check Mannings-based
MO-SPA MO-SPA	3	2 3	KH,WBC LS,AS,SM,KB	3/28/2022 3/28/2022	1526 0840	PST PST	NA NA	NA NA		4			Sample 28 after 1 pulse	12L	0900	totalizer functioning correctly
MO-SPA	3	4	DL,JJ	3/28/2022	1310	PST	NA	NA	Flowing	4	2L Distilled	463,359	Program done	17.5L	1315	Turned off 6712 and fridge (propped open)
мо-тно мо-тно	3	1 2	LS,JB JB,SC	3/25/2022 3/28/2022	1005 1055	PST PST	1.977 3.121	0 46	2	5 2	4L Distilled	347,497	Flow: 1 pulse/500mlx35, program disabled Sample 19 after 1 pulse. Errors have occurred	Installed labelled bottle, lid off.  10.5	1100	Grabs and composite bottle onsite
MO-THO	3	3	LS,SC	3/29/2022	0820	PST	2.095	1	2.3	3	2L Distilled	513,907	Program done	18.5L	0825	HWM ~ 3.3'. Turned 6712 off
MO-VEN MO-VEN	3	1 2	WBC,SM LS,AS,SM,KB	3/27/2022 3/28/2022	1004 0625	PST PST	0.057 0.783	63		Turned on 4	2L Distilled	214,131	Flow: 1 pulse/500mlx35, program disabled. 240 hrs run time Sample 4 after 1 pulse	Installed labelled bottle, lid off. 2L	0645	Grabs and composite bottle onsite. 4230 desiccant brown/orange
MO-VEN	3	3	KH,WBC	3/29/2022	0753	PST	0.043	1		0	2L Distilled	307,723	Program done	18.5L	0753	Turned off 6712 and fridge (propped open)

NR: Not recorded

All times are recorded here in PST

Forecast Rain: (NWS) 1-2.5" coasts and valleys, 2-4" mountains, Fox and Weather Underground similar to NWS

Actual Rainfall: ~0.75 to 2.5" across the county in two bands (some areas did not receive second band)

Storm Control: Kelly Hahs

## Sample Tracking:

Bacteria samples to VCHCA:

03/28/2022 @ 10:15 PDT (OJA/MEI/HUE) by David Laak to William Schwartz

03/28/2022 @ 15:29 PDT (VR2) by David Laak to William Schwartz

03/28/2022 @ 13:55 PDT (OXN/VEN/SPA/FIL/SCR) by Shannon Morris to William Schwartz

03/28/2022 @ 13:50 PDT (CAM/MPK/SIM/THO/CC) by Sawyer Carman to William Schwartz

Toxicity samples to Aquatic Bioassay and Consulting Laboratories, Inc.:

03/28/2022 @ 13:40 PDT (VR2) by David Laak to Jim Mann

03/28/2022 @ 16:03 PDT (SCR) by Lara Shellenbarger to Karin Wisenbaker

03/28/2022 @ 14:20 PDT (CC) by Sawyer Carman to Tina Deleon

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

03/28/2022 @ 16:14 (Composites CAM/MPK/SIM/OXN/SPA/OJA/MEI) to Fernando Rodriguez (DCS) by William B. Carey

03/29/2022 @ 10:45 (All grabs (+ FD&FB at CAM), composites CC/SCR/VR2/FIL/HUE/THO/VEN) to Kenneth Johnson (DCS) by William B. Carey

## Meters:

CAM/MPK/SIM/THO/CC (SC/JB): Beckman 255 # 2151, YSI 85 # 01G0625

OJA/MEI/VR2/HUE (DL/JJ): Beckman 410 # 130240875, YSI 85 # 03D0379

OXN/VEN/SPA/FIL/SCR (LS/SM/KB/AS): Beckman 255 # 2554, YSI 85 # 05E1126

Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
38	3	3.333
39	4	3.889
40	4	4.444
41	5	5.000
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222

							Flowmeter								Comp Duration				
					Arriva	PST/	Level	Flowmeter	Outside	Fridge T	_	Pump		Comp bottle status/	(nearest		Grab	Toxicity	<u>.</u>
<u>Site</u>	<u>Event</u>	<u>Visit</u>	<u>Staff</u>	<u>Date</u>	<u>Time</u>		(feet)	Flow (cfs)	Staff (ft)	<u>°C</u>	Flush (L)	Count	Program/6712 Display	Estimated Vol (L)	half hrs)		<u>Time</u>	<u>Time</u>	<u>Notes</u>
										Turned			Time: 40 min/500mlx35. Sample	Installed labelled					
ME-CC	4	1	SC,MD	5/18/2022	1010	PST	1.059	NA	1.04	on	4L Distilled	390,675	2 in 00:35	bottle, lid off.				NA	Desiccant blue
ME-CC	4	2	WBC,EM,MD				1.096	NA	1.08	2	2L Distilled	760,797	Program done	18.5		0935	0935	NA	Turned off fridge and 6712
														Installed labelled					
ME-SCR	4	1	WBC,EM	5/16/2022	0825	PST	7.423	NA	NA	4	4L Distilled	3,575	Time: 40 min/500mlx35. Enabled	Installed labelled bottle. lid off.				NA	Swing arm deployed
ME-SCR	4	2	WBC,EM	5/17/2022			7.648	NA	NA	5	2L Distilled	269,356	Program done	17.5		0850	0835	NA	Raised swing arm. Turned off 6712
													T: 40 : /500   05 0						
ME-VR2	1	1	WBC,SC	5/2/2022	0810	PST	5.514	NA	_	2	4L Distilled	7,393	Time: 40 min/500mlx35. Sample 2 in 00:36	bottle, lid off.				NA	Desiccant blue
ME-VR2	4	2	SC,DW	5/3/2022	0945		5.511	NA	-	2	2L Distilled	NR	Program done	17.5		1000	1000	NA	Turned off 6712
NAO CANA	4	1	CC MD	E /40 /2022	1102	DCT	0.027	11	0	Turned	41 Dietille d	202 (05	Time: 40 min/500mlx35. Sample					NIA	Decises at airly
MO-CAM	4	1	SC,MD	5/18/2022	1103	P31	0.037	11	0	on	4L Distilled	303,605	2 in 00:38 Program done. Errors have	bottle, lid off.				NA	Desiccant pink Turned off fridge and 6712, propped fridge
MO-CAM	4	2	WBC,EM,MD	5/19/2022	1010	PST	0.034	10	0	3	2L Distilled	394,762	occurred	11.5L		1034	1015	NA	open
										т				lookelled lebelled					Designate annuals Built have for
MO-FIL	4	1	WBC,EM	5/16/2022	0700	PST	0.123	NA	_	Turned on	4L Distilled	462,264	Time: 40 min/500mlx35	Installed labelled bottle, lid off.				NA	Desiccant purple. Built berm for water depth
1010 112	•	-	VV D C, LIVI	3, 10, 2022	0700	131	0.123	147.		011	4L Distinct	402,204	Time: 40 min 300mix33	Socie, na on.				14/ (	Turned off fridge and 6712, propped fridge
MO-FIL	4	2	WBC,EM	5/17/2022	0705	PST	0.219	NA	-	5	2L Distilled	615,891	Program done	20L		0710	0715	NA	open
													Time: 40 min/500mlx35. Sample	Installed labelled					
MO-HUE	4	1	WBC,SC	5/2/2022	0910	PST	NA	NA	-	2.5	4L Distilled	459,837	2 in 00:37	bottle, lid off.				NA	
MO-HUE	4	2	SC,DW	5/3/2022			NA	NA	-	0		-	Program done	17		1110	1115	NA	Turned off 6712
NAO NAEI		4	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	F /2 /2022	0750	рст		6	D	N.1.0			NIA	N. A.				N/A	Cite day Door to housing blocked by bolon
MO-MEI MO-MEI	4	1 2	WBC,SC SC,DW	5/2/2022 5/3/2022	0750 0925	PST PST	Dry Dry	Dry Dry	Dry Dry	NA NA	NA NA	NA NA	NA NA	NA NA		Dry	Dry	NA NA	Site dry. Door to housing blocked by bobca Site dry. Bobcat moved
	•		33,211	3, 3, 2322	0020		2.,	2.7	,										,
										Turned			Time: 40 min/500mlx35. Sample						
MO-MPK	4	1	SC,MD	5/18/2022	0700	PST	0.077	0.2	0	on	4L Distilled	444,197	2 in 00:35 Program done. Errors have	bottle, lid off.				NA	Desiccant pink Turned off fridge and 6712. Desiccant
МО-МРК	4	2	WBC,EM,MD	5/19/2022	0655	PST	0.071	0.2	0	6	2L Distilled	664,595	occurred	0		Dry	Dry	NA	replaced
												· · ·				•	•		
			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	F /2 /2022	0700	DCT	0.4	_	0	2	AL Distilled	200 244	Time: 40 min/500mlx35. Sample						Postana da la la
MO-OJA MO-OJA	4 4	1 2	WBC,SC SC,DW	5/2/2022 5/3/2022	0700 0825	PST PST	0.1 0.096	5 5	0 0	2 5	4L Distilled 2L Distilled	298,314 389,516	2 in 00:36 Program done	bottle, lid off. 16.5		0850	0835	NA NA	Desiccant pink Turned off 6712
1010 0371			30,5 **	3/3/2022	0023	131	0.030				ZE Distinct	303,310				0030	0033	14/ (	
										Turned			Time: 40 min/500mlx35. No	Installed labelled					Desiccant mostly pink, replaced in 4230
MO-OXN	4	1	WBC,EM	5/16/2022	0910	PST	0.112	-	NR	on	4L Distilled	408,507	liquid detected Program done. Errors have	bottle, lid off.				NA	and 2105. Power failure detected 4230 Site dry. Turned off fridge and 6712,
MO-OXN	4	2	WBC,EM	5/17/2022	0935	PST	0.110	_	Dry	4	2L Distilled	652,531	occurred	Dry		Dry	Dry	NA	propped fridge open
			-,	-, , -					•			,		·		•	,		
				- 4 4				_		Turned			Time: 40 min/500mlx35. Sample						
MO-SIM MO-SIM	4 1	1 2	SC,MD WBC,EM,MD	5/18/2022			0.25 0.243	8 7	0 2 in	on 2	4L Distilled 2L Distilled	292,430 360,523	2 in 00:38 Program done	bottle, lid off. 14		0735	0735	NA NA	Desiccant pink Turned off fridge and 6712
IVIO JIIVI			VV DC, LIVI, IVID	3, 13, 2022	0/32	1 31	0.243	,			21 DISHIICU	300,323				0/33	5733	14/4	
										Turned				Installed labelled					l
MO-SPA	4	1	WBC,EM	5/16/2022	0735	PST	NA	NA	No flow	on	4L Distilled	467,712	Time: 5 min/500mlx35	bottle, lid off.				NA	Site dry. Turned off fridge and 6712,
MO-SPA	4	2	WBC,EM	5/17/2022	0750	PST	NA	NA	Dry	0	2L Distilled	NR	Program disabled	Dry		Dry	Dry	NA	propped fridge open
3.70	•		5/2.**	-,, 2022	2,30				,	-			•	,		1	- · 1		
													Time: 40 min/500mlx35. Sample						I
MO-THO MO-THO	4 1	1	SC,MD WBC,EM,MD	5/18/2022	0919 0837	PST PST	1.944 2.015	0 0	2	2 3	4L Distilled 2L Distilled	520,159 678,074	2 in 00:38 Program done	bottle, lid off. 17.5		0840	0840	NA NA	Desiccant blue Turned off 6712
IVIO-1 FIO	4		vv DC,EIVI,IVID	J/ 13/ 2022	0037	гэі	2.013	U		3	ZE DISUIIEU	0/0,0/4	. Togram done	17.5		0040	JU <del>1</del> U	IVA	14.1104 011 07 12
										Turned			Time: 40 min/500mlx35. No	Installed labelled					l
MO-VEN	4	1	WBC,EM	5/16/2022	1000	PST	0.045	-	NR	on	4L Distilled	311,841	liquid detected	bottle, lid off.				NA	Desiccant purple
MO-VEN	Л	2	WBC,EM	5/17/2022	1015	рст	0.045	_	Dry	4	2L Distilled	431,243	Program done. Errors have occurred	Empty		Dry	Dry	NA	Site dry. Turned off fridge and 6712, propped fridge open
IAIO-AEIA	4	۷	VV DC,EIVI	J  11   2022	1012	гэі	0.043	-	Di y	7	ZL DISHIIRU	<del>4</del> 31,243	Journal	- mpcy		אוט	אוט	IVA	P. opped mage open

NR: Not recorded

All times are recorded here in PST

Forecast Rain: NA Actual Rainfall: NA Storm Control: NA

### Sample Tracking:

Bacteria samples to VCHCA:

5/3/2022 @ 11:55 PST (VR2/OJA/HUE) by Sawyer Carman to William Schwartz 5/17/2022 @ 10:40 PST (SCR/FIL) by William Carey to William Schwartz 5/19/2022 @ 11:09 PST (CC/CAM/SIM/THO) by Marissa DeHoyos to William Schwartz

Chemistry samples to Weck Laboratories, Inc. (via Weck-provided courier): 5/3/2022 @ 12:35 PST (VR2/OJA/HUE) by Sawyer Carman to Magaly 5/17/2022 @ 12:15 PST (SCR/FIL) by William Carey to Laura Gastelum 5/19/2022 @ 11:50 PST (CC/CAM/SIM/THO) by William Carey to Laura Gastelum

### Meters:

VR2/MEI/OJA/HUE (WBC,SC): YSI pH100A #JC04476, YSI 85 # 01G0625 SCR/SPA/FIL/OXN/VEN (WBC,EM): YSI pH100A #JC04476, YSI 85 # 05E1126 CC/CAM/MPK/SIM/THO (WBC,EM,MD): YSI pH100A #JC04476, YSI 85 # 05E1126

Deg F	Deg C	Deg C
29	-2	-1.667
30	-1	-1.111
31	-1	-0.556
32	0	0
33	1	0.556
34	1	1.111
35	2	1.667
36	2	2.222
37	3	2.778
38	3	3.333
39	4	3.889
40	4	4.444
41	5	5.000
42	6	5.556
43	6	6.111
44	7	6.667
45	7	7.222

Ventura Countywide Stormwater Quality

Management Program 2021/22 Annual Report

Attachment D Appendix D

Appendix E. Chain-of Custody Forms



## **Ventura County Watershed Protection District**

## NPDES Stormwater Monitoring Program

**Project: NPDES Stormwater Wet Season** 

Pre-season - Weck Laboratories. Invoice Contract No. AE17-001 Mod No. 6

Sampling Date:	8/18	121		ΔΩ	) <u></u>			Proj	ect N	Num	ber:	2021/22-PRE
Sampling Team:	K. HA	HS, W.(	<u>5. (</u>	<i>/</i> *(<	EΣ							
			5.2	EPA 625-CTR	EPA 353.2 (NO2+NO3-N)	EPA 200.8* (total only, see list in side bar) EPA 245.1. Hg (total only)		No action required	Clean with detergent and HNO3 (see notes #2)	Please dispose of per Lab SOP	Bottle Quantity	* Metals by EPA 200.8, Total: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn
SAMPLE ID	DATE/TIME	E COLLECTED	EPA 525.2	PA 62	PA 35	PA 20		o acti	lean v	lease	ottle	NOTES
EB lines	1	0925	X	X	Х	X		_	O		7	See note #1
EB composite	10 10 21	0845	X	X	Х	X					1	To be split in lab. See note #1
2.5 composite	<del>                                     </del>	0110	<del>  ^</del>	<del>  ^</del>							_	
			1	$\vdash$								
			<u> </u>									
												Diagonal and the second and the seco
20 L carboy and lid	-								<u> </u>			Please place tape or plastic bag over top
Blue cube cooler								X			1	
Black bag	+		ļ				$\dashv$	Х	$\dashv$		1	
Waste Dilute HNO3												in the top the first in there
												A Secretary of the Secr
Relinquished	Printed Na	me W-6	,	CA	Reγ	,						
	Signature	W- (	١.	CA	nly							
	Affiliation	VCWPD			<del></del>	·		Date	-/Tir	ne	u.	-18-21/1400
	i			. 1							ري	
Received	Printed Nar	me <u>/ / / / /</u>	/V\~/ 7)	$\frac{\circ}{\wedge}$	(	5-04s/	3 C	Λ				
	Signature	<u>U</u>		<u> </u>	/							
	Affiliation	Weck La	bs					Date	e/Tir	ne .	8	-18-21/1400
Other Notes:	1. Please us	se for MS/MS	D ar	alys	is w	nen samp	ole v	olur	ne p	erm	its.	
	2. Please clo	ean with det	ergei	nt, n	itric	acid, and	dei	oniz	ed v	vate	r pe	er SOP.
RELINAX		mr C.		0	_	-			-			1755 4.80 7023
Ventura Coun Management I	tywide Stormw Program 2021	vater Argitv∧t	<b>)</b>	3	114	11660pm	PEL-	2	છો	i Oli	11	Attachment D Appendix E



# Sample Receipt Checklist

١.	Weck WKO: NKO Logged by:			Date,	/Time Received: # of Samples:	······································
	les Checked by:				•	Allan Goldberg
	Task		Yes	No	N/A	Comments
	CÓC present at re	eceipt?	$\boxtimes$			
	COC properly con	npleted?	$\boxtimes$		_	
) }	COC matches san	nple labels?	$\boxtimes$		<u></u>	
5	Sample matrix ide	entified?	$\boxtimes$		<del>-</del>	
	Project Manager	notified?		$\boxtimes$		
	Sample Tempera		4.8	°C		
:	Samples received		$\boxtimes$			
	lce Type (Blue/W		W	et		
	All samples intact		$\boxtimes$			
	Samples in prope		$\boxtimes$			
	Sufficient sample	volume?	$\boxtimes$			
	Samples intact?		$\boxtimes$		_	
	Received within h	olding time?	$\boxtimes$			
'						
	Project Manager	notified?		$\boxtimes$		
	Sample labels che	ecked for correct preservation?	×			·
	VOC ZHS? 524.2, 524.3, 624	.1, 8260, 1666 P/T, LUFT			<u> </u>	
	pH verified upon Metals <2; H2SO4	receipt? 1 pres tests <2; 522<4; TOC <2; 608.3 5-9				
	Free Chlorine Tes	ted <0.1	$\boxtimes$			
	0&6 pH <2 verific	ed 1				oH paper Lot#
.						oH Reading:
	pH adjusted for O			- []		Acid Lot#
	Project Manager	notified?		×		Amt added:
1	Jan			K-71		· · · · · · · · · · · · · · · · · · ·
Cor	nments					
					·	
nle	Receipt Checia	ST Prawarad hv				and the second s
	ure:	1 / 2			D-1	0/2/
iui					Date:	910/21

14859 Clark Avenue, City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634



**Ventura County Watershed Protection District** 

NPDES Stormwater Monitoring Program

**Project: NPDES Stormwater Wet Season** 

Pre-season - Weck Laboratories. Invoice Contract No. AE17-001 Mod No. 6

Sampling Date:	9/21/21 K.HAHS	· · · · · · · · · · · · · · · · · · ·	_ Project Numbe	r: 2021/22-PRE
Sampling Team:	- KITINITY	······································		
		EPA 200.8* (total only: Al, Cr, Cu, Fe, Ni, Zn) EPA 525.2	Rottle Orientity	* Metals by EPA 200.8, Total: AI, Cr, Cu, Fe, Ni, Zn
SAMPLE ID	DATE/TIME COLLECTER	E PA C		
EB Lines-BW	9/21/21 09:01	O X X	3	
	·			
				·
43°				
Relinquished	·	CELLY HAH	5	
energy of the second of the se	Signature	alcyles		•
~°¥ <sup>3</sup>	Affiliation VCWPE	, ( -	Date/Time	9/22/27/15:25 PDT
Received	Printed Name	1 LW (	JOHD BEAR	
	Signature (		and the second s	
	Affiliation Weck L	_abs	Date/Time	9/22/2 (525
<b>.</b>		š. o 1°		22/2, 1855
wh.	+4)	and C	(. (	22121 (035
THE STATE OF THE S	***	1		21
1		Come must 09	113/11 0010	5.3°C -10522A



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season

2115188

		- Bacteriological							
Sampling Date:	10   25   21	MA FRUITGROWE		MAU ct Nun					WA Attn: Kelly Hahs Wet)
Sampling Team:	Michelle	C. + LANDO	_				•		
	T	T ··	<u> </u>		Т	1	1	Ι	
LAB USE		DATE/TIME	Total Coliform and E. coli (Colilert) [x 10, x 100, and x 1000 dilutions]					Number of Bottles	
ONLY	MO-CAM	10/25/21 11 0 O	X	T	-	┢	├	<u>Ź</u>	NOTES
	<u> </u>		x	+	╀	<u> </u>	$\vdash$	├	
	MO-MPK		<del>                                     </del>	-	$\vdash$	┡	L	1	
	MO-SIM	10/25/21 1370	X		_	_	ļ	1	
	мо-тно	10/25/21 1510	X	$\perp$				1	RECORD PH
	FD-1		_X		<u> </u>	<u> </u>	_	1-	<del>(SIM)</del>
-	<del>53-1</del>		X					1-	(THO)
Relinquished	Printed Name Signature	Landon 1	· '						
	Affiliation	Rincon	_ Date	/Time	10	0/2	25/	21	1715
Received	Printed Name	<u>Celina</u> A	rena	2					
	Signature	_ODA							
	Affiliation	- FGL	Date	/Time	1	O /	<b>∂</b> 2	5L	21 1715
Other Notes:		cal analyses within 8 hours of							
	1.10 1.100 and 1.100	0 dilutions for E coli VCV	PD contact	ct: Keli	lv Ha	he/A	ven	tura	org (805) 658-4375



Chain of Custody Record

Customer#

Customer

Please invoice: MA FRUITGROWERLFY22MA01 UNIT 4211PWA Attn: Kelly Hahs

Sampling Date:			Proj	ect N	um	ber:	202	1/22	2-1 (	Wet)
Sampling Team:		<u> </u>								
	Γ	<del></del>	<del></del>			_				
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform and E. coli (Colilert) [x 10, x 100, and x 1000 dilutions]			:			Number of Bottles	NOTES
ONLI	MO-OXN PO	COLLECTED	X						1	NOTES
-	MO-SPA PO		Х						1	
	MO-FIL	10-25-21/1212	х						1	
	MO-VEN	10.25.21/1320	х						1	
	MO-HUE	10.25.21/1415	Х						1	
_	FD-1-PD		×						)	(SPA)
Relinquished	Printed Name Signature	PEKEN DORAN			,					
	Affiliation	Rincay VTA County	Dat	e/Tir	ne	10	.23	5.2	.1	/1511
Received	Printed Name	,	enas				_			
	Signature	CDA								
	Affiliation	FG1L	Dat	e/Tir	ne .	10	1/0	25,	2	1511
Other Notes:	Perform bacteriologic	al analyses within 8 hours o	of sample	colle	ctio	n tir	ne			
		0 dilutions for E. coli. VCW						vent	ura.	org (805) 658-4375



## Ventura County Watershed Protection District

## NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season



Please invoice: MA FRUITGROWERLFY22MA01 UNIT 4211PWA Attn: Kelly Hahs

2115176

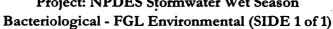
Sampling Date:			Proje	ect Nu	mber:	202	1/22-	1 (	Wet)
Sampling Team:									
<u></u>	1				$\top$				
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform and E. coli (Colilert) [x 10, x 100, and x 1000 dilutions]					Number of Bottles	NOTES
UNLI	MO-OXN	10/25/21 9:45	X		T			1	HOTES
	MO-SPA	10/25/21 11:00	x					1	
	MO-OJA	10/25/21/2:45+100	$\mathbf{L}_{\mathbf{x}}$					1	
	MO-MEI	10/25/21 14:30.	х					1	
	FB-1	10/25/21 13 30	) x					1	CORACO
	FD-1	10/25/21 11:00	×					ı	(SPA)
_		·							
Relinquished	Printed Name	Lara Shellen	barg	er					
	Signature	Lara Sheller							
	Affiliation	VC-PWAWF		e/Tim	e	0	28	12	1 16:05
Received	Printed Name	Colynon F	eas	0					
	Signature	() Ind							12.00
	Affiliation	Legi	Date	e/Tim	e			4	005
Other Notes:	Perform bacteriologi	ical analyses within 8 hours o	f sample	collec	tion ti	me			
	1:10 1:100, and 1:100	00 dilutions for E. coli. VCW	PD cont	act: Ke	lly.Ha	ahs@	ventu	ıra.	org (805) 658-4375



Ventura County Watershed Protection District

NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season



Project Number: 2021/22-1 (Wet)

Please invoice: MA FRUITGROWERLFY22MA01 UNIT 4211PWA Attn: Kelly Hahs Sampling Date: Doct 25, 2021

Sampling Team:	DL+DW									
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform and E. coli (Colilert) [x 10, x 100, and x 1000 dilutions]						Number of Bottles	NOTES
	ME-VR2	10/25/21 13:35	х						1	
	ME-SCR	10/25/21 15:45	х						1	
	ME-CC	10/25/21 14:40	х						1	
<i>;</i>										
Relinquished	Printed Name	David Lac	K							
	Signature	flot Z	1			17				
	Affiliation	VCPWA-WP	Dat	e/Ti	me	_1	0/	25	<u>/</u> 2	oy
Received	Printed Name	celina A	<u> Trev</u>	70	Ź					
	Signature	CDA								
	Affiliation	GLS	Dat	e/Ti	me		101	<u> 2</u> S		2021
Other Notes:		cal analyses within 8 hours of						)		ore (905) 659 4275



# Ventura County Watershed Protection District

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

## Toxicity - ABC Laboratories

Side 1 of 2

E/TIME LECTED   15:45	Chronic toxicity - topsmelt (Atherinops affinis)	Chronic toxicity - inland silverside (Menidia beryllina)	Chronic toxicity - giant kelp (Macrocystis	Chronic toxicity - purple sea urchin (Strongylocentrotus purpuzatus)	Chronic toxicity - fathead minnow (Pimephales promelas)	Chronic toxicity - daphnid (Ceriodaphnia dubia)	toxicity - green alga (Raphidocelis	Number of 5-Gallon Buckets	
			0	Chr (Str	Chror (Pime	Chroni dubia)	Chronic toxicity subcapitata)	Number o	NOTES
21 13:35				X				1	Note 1, Note 2, Note 3
	4							2	Note 1, Note 2, Note 3
1 14:40	X							2	Note 1, Note 2, Note 3
	-				X			2	Note 1, Note 2, Note 3
		- 1				X		2	Note 1, Note 2, Note 3
					X			2	Note 1, Note 2, Note 3
						X		2	Note 1, Note 2, Note 3
	- 1				X			2	Note 1, Note 2, Note 3
	1				X			2	Note 1, Note 2, Note 3
	VCh	VCWP.D	VCWP.D	VCWP.D	David Laak  VCWPD	David Laak  VCWPD  Date/T	David Leak  Vewl.D  Date/Tim	David Leak  Vewf.0  Date/Tim 10/2	X 2 2 X 2 X 2 I X 2 I X Z I X Z I X Z I X X Z I X X Z I X X Z I X X Z I X X Z I X X X Z I X X X X



## Ventura County Watershed Protection District

## NPDES Stormwater Monitoring Program

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

Side 2 of 2 Sampling Date: Project Number: 2021/22-1 (Wet) Carter Sampling Team: Chronic toxicity - inland silverside (Menidia Chronic toxicity - green alga (Raphidocelis Chronic toxicity - giant kelp (Macrocystis Chronic toxicity - daphnid (Ceriodaphnia Chronic toxicity - topsmelt (Athennops Chronic toxicity - purple sea urchin Chronic toxicity - fathead minnow Strongylocentrotus purpuratus) Number of 5-Gallon Buckets subcapitata) pyrifera) affinis DATE/TIME SAMPLE ID COLLECTED **NOTES** MO-CAM X Note 1, Note 2, Note 3 MI MO-SIM X Note 1, Note 2, Note 3 MO-MPK X Note 1, Note 2, Note 3 мо-тно X Note 1, Note 2, Note 3 MO-HUE X Note 1, Note 2, Note 3, Note 4 ML Relinquished Printed Name Signature Affiliation Date/Tim Margness Received Printed Name Signature Affiliation 1730 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. 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

Side 1 of 2

Sampling Date:	10-2

0-25-21

Project Number: 2021/22-1 (Wet)

Sampling Team:	Laras.	Tan	12
	-	SI 00	13

SAMPLE ID ME-SCR	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (Atherinops affinis)	Chronic toxicity - inland silverside (Meaidia beryllina)	Chronic toxicity - giant kelp (Macrocystis pytileta)	Chronic toxicity - purple sea urchin (Strongylocentrous purpurans)	Chronic toxicity - fathead minnow	Chronic toxicity - daphnid (Ceriodaphnia dubia)	Chronic toxicity - green alga (Raphidocelis subcapitata)	Number of 5-Gallon Buckets	NOTES
ME-VR2	-				X				1	Note 1, Note 2, Note 3
ME-CC		X						-1	2	Note 1, Note 2, Note 3
MO-OXN	10/25/21 9:43	Λ							2	Note 1, Note 2, Note 3
MO-FIL	10,10-101 1.15					X			2	Note 1, Note 2, Note 3
MO-SPA	10/25/21 11:00			-			X		2	Note 1, Note 2, Note 3
MO-VEN	01010111.00			-		X			2	Note 1, Note 2, Note 3
10-ОЈА	0/25/21 12:45				_		X		2	Note 1, Note 2, Note 3
IO-MEI	10/25/2/14:30		-			X			2	Note 1, Note 2, Note 3
	19-80					X			2	Note 1, Note 2, Note 3

	2 Note 1, Note 2, Note 3
Relinquished	Printed Name Lara Shellenbarger
	Signature Sam Alm
	Affiliation VCPWA-WP Date/Tim 10/25/21 15:23
Received	Printed Name Victor Margaer
	Signature Licto Phys. 1
	Affiliation ABCLABS Date/Tim 10/28/21 1877
Other Notes:	Note 1: Dilutions - 6 25% 12 50% 250%
	Note 3: Notify District within 24 hours if significant toxicity is al.
	Note 3: Notify District within 24 hours if significant toxicity is observed.

Page DE - 11



# Ventura County Watershed Protection District

## NPDES Stormwater Monitoring Program

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

Toxicity - ABC Laboratories

Side 1 of 2

ME-SCR ME-VR2 ME-CC MO-OXN MO-FIL	COLLECTED	Chronic toxicity - topsmelt (Atherinops affinis)	Chronic toxicity - inland silverside (Menidia betyllina)	Chronic pyrifera)	X			Chronic toxicity - green alga (Raphidocells subcapitata)	Number	NOTES
ME-CC MO-OXN		X							1	Note 1, Note 2, Note 3
MO-OXN		1							2	Note 1, Note 2, Note 3
10-OXN		X							2	Note 1, Note 2, Note 3
						X			2	Note 1, Note 2, Note 3
	10/25/21/1212						X		2	Note 1, Note 2, Note 3
MO-SPA					V	Х			2	Note 1, Note 2, Note 3
	10/25/21/1320						Х		2	Note 1, Note 2, Note 3
MO-OJA	7.520					X			2	Note 1, Note 2, Note 3
MO-MEI		1				X		. 1	2	Note 1, Note 2, Note 3
Received 1	Printed Name Signature Affiliation Printed Name Signature Affiliation	ctor	VTM		er-		e/Tim_	10-3		



## Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

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

Toxicity - ABC Laboratories
Side 2 of 2

SAMPLE ID MO-CAM	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (Atherinops affinis)	Chronic toxicity - inland silverside (Menidia beryllina)	Chronic toxicity - giant kelp (Macrocystis pytifen)	Chronic toxicity - purple sea urchin (Strongylocentrotus purpuratus)	Chronic toxicity - fathead minnow (Pimephales promelas)	Chronic toxicity - daphmid (Ceriodaphnia dubia)	Chronic toxicity - green alga (Raphidocelis subcapitata)	Number of 5-Gallon Buckets	NOTES
MO-SIM			8	. 1		X			2	Note 1, Note 2, Note 3
MO-MPK		a P					X		2	Note 1, Note 2, Note 3
								X	2	Note 1, Note 2, Note 3
MO-THO	10/25/21/14/5			1.5			X		2	Note 1, Note 2, Note 3
MO-HUE	10/25/21/1415						X			Note 1, Note 2, Note 3,Note
ceived ]	Printed Name  Signature  Affiliation  Printed Name  Signature  Affiliation  Affiliation  Affiliation  Affiliation		TA Co	m				25.2		/1617
		I I I I I			T	Jeres	10	.25.	v*1 1	1617



## 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:	10/25/21						P	rojec	et Nu	mbe	er: <u>2</u>	2021	/22	-1 (	Wet) Grabs
Sampling Team:	(see commants	)													
C. Law	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				The state of the s				Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
SAMPLE ID	COLLECTED	Ö	Cya	GR	MT	Trav				_		_		Z	NOTES
ME-CC	10/25/21 14:40	1	1	2	3	1								8	OL+OW
MO-CAM	10/25/21 / 1100	1	1	2	3	1								8	WC + Fr
MO-SIM	10/25/21 / 1320	1	1	2	3	1								8	ML+LL
МО-МРК	10/25/21 / 1210	1	1	2	3	1								8	MC+LL
МО-ТНО	10/25/21 / 1510	1	1	2	3	1								8	ML+LL
MO-HUE	10.25.21 /1415	1	1	2	3	1								8	PP, MD
FB-1		- American	4	2	3	-1-	activistical explicit des		Nor-Freedom and System gradesis		acentrian (ag	Charman	Timber de la	-8	(F/10)
FD-1		1	_1_	2	_3_	1							*******	-8-	(SIM) <del>(3,44)</del>
FB-1	10/75/71 1336	١	١	2	3									Е	(OTA) LS JB
Relinquished	Printed Name W.	IU	. I.	A. N	`	CA	-RE	۲							
*	<i>i</i>	lli			apan'			,							
		متن اد	vP	Δ		<u></u>	0	) Date	/Tim	e	ic	1/2	61	21	[(00
		- v	۸_		. ^		•							·····	
Received	Printed Name	<u>- 1</u>	M	<u> </u>	<u>v</u> C	·									
,	Signature	V							/		. /		7.		1.1.4.
	Affiliation		<u> </u>				. ]	Jate.	/Tim	.e _/	6/	261	12.1		H:02
Other Notes:	Travel blanks are only to									MTB	Eσ	or 2-	CL	EVI	Ξ)
	EPA 624.1 has replaced	EPA	624	for	MT.	BE 2	ınd 2-	Clev	re .	r advisors		ı			1 1 20130
										1	Pa 2		. All	Λ	10 h (10 h (13 ) 20 m



## 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:					-	Project Number: 2021/22-1 (Wet) Grabs									
Sampling Team:	P. DORAN, M. DORA	ER	<u>i</u>	Lawshelkstager, Jon B. Landon L.											
SAMPLE ID	DATE/TIME COLLECTED	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	37		1 1 1		- E			Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
ME-SCR	19/25/21 15:45	1	1	2	3	1								8	DLADW
MO-OXN	10/25/21 945	1	1	2	3	1								8	LS, JB
MO-FIL	10.25-21 / 12.12	1	1	2	3	1								8	ba'wp
MO-SPA	19/25/21 11:00	1	1	2	3	1								8	LS, JB MD, PD
MO-VEN	10.25.21/1320	1	1	2	3	1									PD,MD
ME-VR2	19/25/21 13:35	1	1	2	3	1								8	DL+DW
МО-ОЈА	10/25/21 1245	1	1	2	3	1								8	LS, JB
MO-MEI	10/25/21 14:50	1	1	2	3	1			-					8	US, JB
FD-1	10/25/21 11:00	1	1	2	3	1								8	
Relinquished Received	Printed Name UI Signature	rd w	li.			لمر	25	Dat	te/T	ime		0/2	/2/	24	11:02
Other Notes:	Travel blanks are only to EPA 624.1 has replaced 1									f MT	гве	or 2	-CLI	EVI	3)



## 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:	10/25/2	-(							Proj	ect l	Vum	ber:	202	1/22	2-1 (	Wet) Composites
Sampling Team:	M. CARTER	LL,	_5	. Co	Im	AΛ	کا ر	147	145	W.	<u>B.</u>	(AC	(E)	,	ĽĬ	DORAN M. DORAN
1 # m.	DATE/TIN	ИE		NO3-N Total Chlorine Recidual	lness), & Barium (total only)		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)
SAMPLE ID ME-CC	COLLECTI				_		1									NOTES MC+5C
MO-CAM	10/26/21/0	845 03	-	X	X	┼	X	X	X X	X	X X	X X	X	X	1	
MO-SIM	<del>                                     </del>		$\dashv$		X	X	Х	Х	Х	X	Х	Х	X	X	1	MC+LL
MO-SIM MO-MPK	1 11	545 3246	$\dashv$		$\frac{1}{x}$	+-	X	Х	Х	X	Х	Х	X	X	1	MC+LL
MO-WI R		715	-	$\dashv$	X	+	X	X	X	X	X	X	X	X	1	MC+SC
MO-HUE	I	755	-	╅	X	┼	X	X	X	X	X	X	X	·X	1	MC+SC PD+MD
	19/20/21/0	930	$\dashv$	+	+	+			-11	11			-11		_	1
				$\top$	+	$\vdash$										
Relinquished Received	Printed Name WILLIAM CAREY  Signature William Carry  Affiliation VCVPD Date/Time (0/26/2) 1100  Printed Name SSE ANSWO  Signature  Affiliation DCS Date/Time 10/26/21 11:02															
Other Notes:  2) Please limit diluti	1) Filter for diss							ctivi	ity aı	nalys	ses ir	nme	diate	/ ely.		ting 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:	10/25/21	10/25/21 Project Number: 2021/22-1 (Wet) Composites													
Sampling Team:		Metals by200.8, Total & Dissolved: Sb, Ag, Al, As,													
SAMPLE ID	DATE/TIN COLLECT	ЛЕ		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 &
ME-SCR	18/326181 9	<b>2.</b> 2公		X	X	X	X	X	Χ	X	Х	X	X	1	DLADWIKH, WBC
MO-OXN	10/26/210	903		X	Х	X	X	X	X	X	X	Χ	X	1	KH, WBC
MO-FIL		711		X	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	1	ĺ
MO-SPA	0	736		X	Χ	Χ	X	X	X	Χ	Χ	Х	X	1	
MO-VEN	0	930		X	Х	Χ	X	X	X	X	X	X	X	1	11
ME-VR2	08	35		X	Х	Χ	X	Χ	X	Χ	Χ	Χ	Χ	1	PD+MD
MO-OJA	07	38		X	Х	X	X	X	X	X	X	Х	X	1	PD + MD
MO-MEI	V 07	57		X	X	X	X	X	Х	X	X	X	X	1	PD+MD
Relinquished Received	Printed Name  Signature  Affiliation  Printed Name  OSE, Angur  Signature  Affiliation  Date/Time  Date/Time														
Other Notes:	1) Filter for diss	olved meta	ls and p	erfori	n co	ndu	ctiv	ity a	nalys	es ir	nme	diate	ely.		
2) Please limit diluti	ons and do not d	ilute limite	d volume	e sam	ples	whe	en er	nacti	ng p	riori	ty lis	st (le	w re	port	ring limits are important).

Jama hura

ONUN 13:30 Attachment Pappendix E



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

**Equipment - Weck Laboratories** 

Sampling Date:	(c-25-)	·(			Project 1	Number:	2021/22-1 (Wet) Cleaning .
Sampling Team:	KH, WBC, M	opo, mc, s	c, u	LS,	TB DE	L, DW	,
			Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required		
18.5 L wide neck of	EQUIPMENT			OH	<u>Z</u>		NOTES  Please place tape or plastic bag over top and note on wrap
20 L narrow neck of silicone stopper		ssembly) or	14				if bottle was cleaned with methanol.
Blue cube cooler			+		îij		
Grey-bucket							Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Black bottle bag			12		12_		
Bottle harness			*		2		
<b>****</b>							
Relinquished	Printed Name Signature Affiliation	WILLIA	i Cor	rey		ime	0/26/21 (100
Received	Printed Name	JOSE AM	Dulc	>	***************************************		
	Signature	_lh_					
	Affiliation	DCS			Date/T	ime <u>/(</u>	0/26/21 N:02
Other Notes:							
	***************************************						
							7 1 11111 12120



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season

Bacteriological - EGL Favirone (SIDE 1 of 1)



Sampling Date:	12/14/21	AT TRUITOROW L		ect Num				(Wet)				
Sampling Team:		Carter - Jona						· · · · · · · · · · · · · · · · · · ·				
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform and E. coli (Colilert) [x 10, x 100, and x 1000 dilutions]				Number of Bottles	NOTES				
1 .	MO-CAM	12/14/21 0015	X				1					
2.	MO-MPK	12/14/21 0200	X				1					
3.	MO-SIM	12/14/21 0300	X				1					
4	MO-THO	12/14/21 0420	X				1					
5	FB-1	12/14/21 0020	×				1	(cam)				
Relinquished	Printed Name Signature Affiliation	Michelle Ca M. Rincon	Ort-lv Date	e/Time	12	2/14/	121					
Received	Printed Name Signature Affiliation	WILLIAM SCHWARTZ  Locality Achterity  VCPHL  Date/Time 12/14/21 (975:45										
Other Notes:		logical analyses within 8 hours of sample collection time 1000 dilutions for E. coli. VCWPD contact: Kelly.Hahs@ventura.org (805) 658-4375										



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season

Bacteriological - FGL Environmental (SIDE 1 of 1)

Sampling Date: Sampling Team:	12/14/202/		Proj	ect Ni	ımbe	r: <u>20</u> 2	21/2	2-2	(Wet)
1 0								_	
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform and E. coli (Colilert) [x 10, x 100, and x 1000 dilutions]					Number of Bottles	NOTES
A	MO-OXN	112/14/21 00:20	Х					1	OL,OW
	MO-SPA		X			-		1	-
3	МО-ОЈА	12/14/21 01:40	X					1	OL, OL
<u>C</u>	MO-MEI	12/14/21 01:40	X					1	Dipon
	FB-1		_X		_	-		1	<del>(4)*)</del>
	FD-1		X			-		-1	<del>(SPA)-</del>
	38								
					-				
	Printed Name Signature Affiliation	Lava Sheller bar Jan In VCVPD	~	e/Tim	e _1	2/1	4/7	LL L	5:00 12 5:45
Received	Printed Name	WILLIAM SCHWAR	TZ.			7.11			
	Signature	Indian Adresiote	7						
	Affiliation	VCPHC /	Date	e/Time	<u>1</u> 7	la	121	(W)	05-45
		l analyses within 8 hours of					)		00E) (EQ 427E



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	15
Chain of Custody Record	bi
ntura County Watershed Protection District	1
NPDES Stormwater Monitoring Program	14211
Project: NPDES Stormwater Wet Season	The sale
eriological - FGE Environmental (SIDE 1 of 1)	
TGRUWERLF IZZWAULUNII 4ZHI WA AMA Kell	Hobs .
Project Number: 2021/22-2 (Wet)	y

Sampling Date: Sampling Team:	Lara Skellent	owne, Sawyer Can	Pro	ect Nu					Wet)
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform and E. coli (Colilert) [x 10, x 100, and x 1000 dilutions]				10 dd 11	Number of Bottles	NOTES
28	MO-OXN		X					1	TYOTES
The show	MO-SPA	12/13/2021 11:10	X					1	
Will Comment	MO-FIL	12/14/20a 2:40	X					1	
Total Comme	MO-VEN	12/14/2021 1:15	X					1	
	MO-HUE	12/14/2021 4:20	X					1	
	FD 1		Х					1	(SPA)
Relinquished	Printed Name	Law Sheltenbarg	25						
	Signature	Law Jun							. i
	Affiliation	VC WPD	Date	e/Time	9	50	0-	12	17/15/ A 17/14/20
Received	Printed Name	WILLIAM SCHW	你记						545
	Signature	William Holant	The						
	Affiliation	VCAHL/	Date	e/Time	12	141	40	20	75745
19 93		al analyses within 8 hours of					ventur	ra.o	rg (805) 658-4375





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

Bacteriological - FOL Environmental (SIDE 1 of 1) Sampling Date: Project Number: 2021/22-2 (Wet) Sampling Team: Total Coliform and E. coli (Colilert) [x 10, x 100, and x 1000 dilutions] Number of Bottles LAB USE DATE/TIME **ONLY SAMPLE ID** COLLECTED **NOTES** 12/14/2021 9:15 KM ME-VR2 X 1 11:00 AM ME-SCR X 1 12/14/2021 12:20 PM ME-CC Χ 1 FP-1 12/14/2021 12:20 X (cc)

Relinquished	Printed Name	WILLIAM CAREY	
	Signature	williams carey	
	Affiliation	NCWPD Date/Time 12-14-21/1315	
Received	Printed Name	SOLVADOR Y/ BARRAGAA	
	Signature	2 alreading We Bourness	
	Affiliation	P. H. LAb Date/Time 12.14.21 13:20	_
Other Notes:	Perform bacteriolo	gical analyses within 8 hours of sample collection time	



Management Program 2021/22 Annual Report

1:10 1:100, and 1:1000 dilutions for E. coli. VCWPD contact: Kelly.Hahs@ventura.org (805) 658-4375



# 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:	12/13-12/14/2			······································				Pro	ect l	Num	iber:	202	21/2	2-2 (	Wet) Grabs
Sampling Team:	(see others,	<u>de)</u>	~~~~						~~~~						
. \.	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								Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
ME-CC	COLLECTED 12:20 PM	_	5	2	3	1						-		$\frac{\bar{\mathbf{Z}}}{8}$	NOTES NOTES
MO-CAM	12/14/21 0015		1	2	3	1								8	WBC\$SM MC+JB
MO-SIM	12/14/21 030		1	2	3	1	: 							8	MC + JB
MO-MPK	12/14/21 0200		1	2	3	1							$\vdash$	├	MC+JB
МО-ТНО	12/14/21 0420		1	2	3	1		_			<u> </u>			8	MC + JB
MO-HUE	12/14/21 04 20	1	1	2	3	1.						-		8	LS, SC
FD-1	12/H/21 12:20 PI	1	1	2	3	1								8	(CC) WBC 4 SM
			<u> </u>		<u> </u>										
			T												
Relinquished	Printed Name K	ELL	/ I	14	15							•		I	
74 7	With the state of	wp	P P					Dat	e/Ti	me	12	/6	15/2		O925
Received	1	E	A	161	NU	¬							<del>                                      </del>		
	Signature	Ē		<del>10</del> 2					<del></del>		·		<del></del>		
	Affiliation	<del>Č</del> S	>					Dat	e/Ti	me	12	- t	5-1	21	9:30
Other Notes:	Travel blanks are only t	o be :	analv	zed	if saı	nole									
	EPA 624.1 has replaced														
															······································



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:	12/13/2021	-17		4/	20	21		P	rojec	t Nu:	mbe	er: <u>202</u>	21/2	2-2 (	Wet) Grabs
Sampling Team:	Michelle Cortect	+ <u>}</u> 0	<u>ng-</u>	th	91	Br	dq								ercorman, David Look, Dag Wi
	DATE/TIME		4A)	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.
SAMPLE ID	COLLECTED		<u> </u>	Cya	GRC	MT	Trav			_				Z Z	NOTES
ME-SCR	1214/2 11:00	AM	1	1	2	3	1				$\perp$			8	WBC \$ 8M
MO-OXN	12/14/21 00:	20	1	1	2	3	1							8	DLDIN
MO-FIL	12/14/21 02:40	,	1	1	2	3	1							8	LS,SC
MO-SPA	12/13/21 23:10		1	1	2	3	1							8	८5, <sup>5</sup> ८
MO-VEN	12/14/21 01/8	5	1	1	2	3	1							8	15,SC
ME-VR2	12/14/21 9:16	AM	1	1	2	3	1							8	
MO-OJA	12/14/21 01:40	)	1	1	2	3	1				1			8	WBC 48M Di, Div
MO-MEI	12/14/21 02:20		1	1	2	3	1		$\top$			1		8	OL, Div
FB-1	12/14/21 002		1	1	2	3	1				1	1		8	(CAM) MC+JB
Relinquished	Printed Name K	ELL.	11. A.	H.	AH S	5					***************************************				
	Affiliation	Va	NL	<u>D</u>		<del></del>		D	ate/	Time	-	12	115/	21	0925
Received	Printed Name	<u>05E</u>			PV	<u>~</u>	M	10		****					
	Signature	A-7	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,												
	Affiliation	DC	مسي					D	ate/	Time		1/5	5/2	7	9:30
Other Notes:	Travel blanks are on EPA 624.1 has repla										TBI	E or 2	/ !-CL	EVE	)
								The state of the s	*******		***************************************	7	LApri:	lane	V 12/10/2

Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

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

12/14-12/15,202 Composites - Weck Laboratories (SIDE 1 of 2)

Sampling Date:	- remitteet	141	10						Proj	ect l	Vum	ber:	202	1/22	2-2 (	Wet) Composites
Sampling Team:	WBC (W. Ca	rey)	9	<u>δ.</u>	M	DYY	<u>1s</u>	<u>, K</u>	<u>\</u>	, L	5	DU	-D	4	, 1	UC+SC
SAMPLE ID	DATE/TIME COLLECTED				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	12/15/21 083	0			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	1	WBC, KH
MO-OXN	12/14/21 13:30	>			X	Х	Χ	X	X	X	X	X	X	X	1	שלושני
MO-FIL	12/14/21 14:4	5			Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Х	1	X, DW
MO-SPA	12/19/21 14:19				Х	Χ	Χ	X	Χ	Χ	Χ	Χ	Χ	Χ	1	DL, DW
MO-VEN (12/14-					Х	Χ	Х	Χ	Χ	Χ	X	Χ	Χ	Χ	1	wBC,SM
ME-VR2	12/14/21 9:15 A	M			Χ	Χ	Χ	Χ	X	Χ	Χ	Χ	Χ	Χ	1	WBC & SM
MO-OJA	12/14/21 13:5	0			X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	1	KH,LS
MO-MEI	12/14/21 14:1	5			Х	Χ	X	X	Х	X	X	Χ	Χ	Χ	1	kh ,LS
Relinquished	Printed Name	KELL		HA	<u>HS</u>											
	Signature	Ble	Here	<u> </u>												<b>,</b>
	Affiliation	<u> </u>	<u>γω</u>	UD					Dat	e/T	ime	1	2/19	5/21		୦୩25
Received	Printed Name	97E	1	ng	иl	O								····		
	Signature	X/	<u> </u>													
	Affiliation	DCS	5_						Dat	e/Ti	ime	(2,	15	. 2	-1	9:36
Other Notes:	1) Filter for dissolv															
2) Please limit dilutio	ons and do not dilute	limite	d vol	ume	sam	ples	who	en er	nacti	ng p	riori	ty lis	it (lo	w re	port	ing limits are important).



# 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:	12/14-	-12/15/	२०२	1	1					Proj	ect l	Vum	ber:	202	1/2	2-2 (	Wet) Composites
Sampling Team:	WBC,5	W, ICH	, LS	5, S	c,	Dι	_ ,D	W,	WC	, 選	ė –	-					•
SAMPLE ID	DATE/7	ГІМЕ			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	12/15/21	0750			Х	Х	X	Х	X	Х	X	X	X	X	X	1	MBC, KH
MO-CAM	12/14/21	1638				Х	X	Х	X	X	X	Χ	X	X	X	1	MC, SC
MO-SIM	12/14/21	1520				X	X	Х	X	X	X	X	X	X	X	1	MC SC
MO-MPK	12/14/21	1445				Х	Х	Х	X	X	X	X	X	X	X	1	
MO-THO	12/14/21	1600				X	X	X	X	X	X	X	X	Χ	X	1	MC,5C.
MO-HUE	12/14/21	1543				Χ	X	Χ	Χ	Х	Х	X	Χ	Χ	X	1	wec, sm
	,																
Relinquished	Printed Nam		rel	<del>116</del>	\$_	<del>1</del> ,Δ+1	5										-
	Affiliation		vci	NP:	D_					Dat	e/Ti	me		12/	15/	21	०१८५
Received	Printed Nam	و <u>يل</u> المار	E	,	An	JU	l.G										
	Signature Affiliation		CE	<u> </u>						Dat	e/Ti	me	[-	z · [	5.	21	9:30
Other Notes:	1) Filter for d															nort.	ing limits are important).



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# Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

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

Sampling Date:	12/15/2	12/13/21-12	115/21		Project 1	Number	: 2021/22-2 (Wet) Cleaning
Sampling Team:	K. H.						
<b>***</b>						<del></del>	·
	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	15				
Blue cube cooler			鑆		14		
اس) bucket	ute)		ĺ		1		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Black bottle bag			뭦		12		
Bottle harness			33		3		
Relinquished	Printed Name Signature Affiliation	KELL BILAH VCWPD	<u>)                                    </u>	AHS	Date/T	ime	12/15/21 0925
Received	Printed Name	\	en W				
Received	•	kos= A-	10°C	<u>,                                    </u>			
	Signature Signature	DC5		-	Date/T	ime <u>/ 2</u>	7.15.21 - 9:70
Other Notes:							
		· Agent	NA NA	· · ·		<del>k</del> :	25100
		1	runal	W	12.hs		12:00



# Chain of Custody Record 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	MOTES
	MO-OXN	03/28/22 09:30	X	X			1	NOTES
	MO-SPA	03/28/22 1000	X	X			1	
	MO-OJA	5/00/// /000	Х	X			1	
	MO-MEI		X	X			1	
	MO-FIL	03/28/22 1046	X	X		#	1	
	MO-VEN	03/28/22/245	X	X		++	1	
	MO-HUE	1011)	X	X			1	
	FD-1		X	X			1	
	FB-1		X	X			1	
elinquished eceived	Printed Name Signature Affiliation Printed Name Signature Affiliation	Shannon Mo Sterling/VCWPD WILLIAM SCHIN WILLIAM SCHIN	JAR	Date/1	Time 03	1 1	122	1355 ed 1255



Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Restorial price | VCHCA | 11 (CIDE 4 164)

Bacteriological - VCHCA Lab (SIDE 1 of 1) 03/29/2022 Sampling Date: Project Number: 2021/22-3 (Wet) Sampling Team: Total Coliform (Tray Method - WQ IDEXX coli (Tray Method - WQ IDEXX edu Number of Bottles LAB USE DATE/TIME **ONLY** SAMPLE ID COLLECTED E. **NOTES** ME-CC X X 1 ME-SCR 03/28/22 12/5 X X 1 ME-VR2 X X 1 MO-CAM X X 1 MO-MPK X X 1 MO-SIM X  $\mathbf{X}$ 1 MO-THO X X 1 FD-1 X X 1 FB-1 1 Morns Relinquished Printed Name Signature Date/Time 03/28/2022 Affiliation Received Printed Name Signature Date/Time 03/28/2022 @ Affiliation Perform bacteriological analyses within 6 hours of sample collection time Other Notes:

1:10 1:100, and 1:1000 dilutions for E. coli



# Chain of Custody Record 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			-	Projec	et Number	2021/2	22-3 (	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
	MO-OXN		X	Х		13	1	
	MO-SPA		X	Х			1	
	МО-ОЈА	3/28/22 07:30	X	Х			1	04,33
	MO-MEI	3/28/22 07:30	X	Х			1	0L,JJ
	MO-FIL -		X	X			1	
	MO-VEN		Х	Х			1	
	MO-HUE	3/28/22 09:30	X	Х	105		1	04,75
	FD-1	1	X	X			1	- 100
	FB-1		X	Х			1	
Lelinquished Leceived	Printed Name Signature Affiliation Printed Name Signature Affiliation	David L VCWPD WILLIAM SCHWI VCPHL	PRT	Date/		3/28/ 3/78		

1:10 1:100, and 1:1000 dilutions for E. coli



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

Bacteriological - VCHCA Lab (SIDE 1 of 1)

्रस्त्री 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		X	X		1	
	ME-SCR		X	X		1	
	ME-VR2	3/28/27 13:00	X	X		1	DLITT
	MO-CAM		X	X		1	<i>y</i>
	MO-MPK		X	X		1	
	MO-SIM		X	X		1	
	МО-ТНО		Х	X		1	
	FD-1		X	X		1	
	FB-1		X	X		1	
Relinquished	Printed Name Signature Affiliation	David Laak VCWPD	1	Date/Time	3/28	1202	2 3:29 pm
Leceived	Printed Name	WILLIAM SCHWI	127	2			1
	Signature	William Ade	orle				
	Affiliation	VCPHI	( )	Date/Time	63/8	3/20	77 (00 K79



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

Sampling Date:	3/28/20	22	_ 1	roject Num	ber: 2021/	22-3 (Wei)	
Sampling Team:	Jon Bil	22 dgman, Sany	w	Carme	n		
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX )		Number of Bottles	NOTES
OILL	ME-CC	3/28 + 1255	X	x		1	
	ME-SCR		x	X		1	
	ME-VR2		X	X		1	
	MO CAM	3/28 - 755	X	X		1	
	MO-MPK	3128.940	X	X		1	
	MO-SIM	3/28 · 1030	X	X		1	
	мо-тно	3/28 - 1200	X	X		1	
	FD-1		X	X		1	
	FB-1		X	X		1	
Relinquished	Printed Name Signature Affiliation	Sanger				28.	1342
leccived	Printed Name	WILLIAM SC.	HINH	9R17			
	Signature Affiliation	VCPHL	VVV	Date/Time	: 03/7	120	TZ @ 1350

1:10 1:100, and 1:1000 dilutions for E. coli

Perform bacteriological analyses within 6 hours of sample collection time

Other Notes:



Management Program 2021/22 Annual Report

# Chain of Custody Record

# 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:	3-28-22						Pre	oject	Num	ber:	2021	/22-	3 (\	Wet) Grabs
Sampling Team:	DL, JJ, LS, KE	<u>,</u>	AS	<b>)</b>	<u> 8</u>	Sc	-							
		. 1664A)	7511)											Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8260B)						-			Number of Bottles	NOTES
ME-CC	1255 /3-28-22	1	1	3								1	5	JB, SC
ME-SCR	3/28/22 1215	1	1	3	-			T	1			$\dashv$	5	LS, KB, AS
ME-VR2	3/23/22 /3/13:00	1	1	3				$\dagger$	+			$\neg$	5	DL, JJ
MO-CAM	0755/3.28.22	2,58	1	3		十							8	JB, SC
MO-MPK	0940/3.28.22	1	1	3		T		T					5	JB, SC
MO-SIM	3.28.20/1030	1	1	3									5	JB, SC
MO-THO	1200/3.28.22	1	1	3									5	JB, SC
FD-1	0755/3.28.22	1	1	3									5	JB,Sc
FB-1	0800/3-28-22	1	1	3									5	JB,SC
Relinquished	Printed Name WI	LLI	Ar	1	В.	C-1	4-RE	Y						
•	Signature Will				B .	Co	nly	ar.						
	Affiliation VC	wF	> /\				D	ate/".	Time		3-2	<b>*</b> -	3 &	/1045
Received	Printed Name Key	n he	14	, (	29 M	<b>ነ</b> ክ <i>ട</i>	ر ن							
	Signature	ند	il			V.	1-							
	Affiliation (	<u>~</u> ∨	5	-	<u>/                                    </u>		D	ate/~	l'ime	_?	31/2	19	v	2 10:45An
Other Notes:											<del>/ 1 </del>			
		- The same	2	)										
	9		1		3/	24	h		174	7	2	·yo	L	
Ventura Co	ountywide Stormwater Quality	, mind a few of the second	ry		F	°age	/ DE - 3	33				er C	174	Attachment D Appendix E



# 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:	3/28/2022					Proj	ect Nur	nber:	202	21/2	2-3 (	Wet) Grabs
Sampling Team:	3/28/2022 Dave Lauk, Ji	]]_	leng	ing	75 <u>L</u>	S, KB	, sm	Al	}			
Sampling Team:		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8260B)	75, 6	5, KE	, <u>s</u> m	, , , ,			Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
SAMPLE ID	DATE/TIME COLLECTED	Oil &	Cyan	GRO							Num	NOTES
MO-OXN	3/28/220830	1	1	2							4	LS, KB, SM, AB
MO-SPA	Y28/26 1000	1	1	2							4	LS, KB, SM, AB
мо-оја	3/28/22 0730	1	1	2							4	LS, KB, SM, AB
MO-MEI	3/28/22 0825	1	1	2							4	0433
MO-FIL	3/28/22 10:45	1	1	2							4	SM, AB
MO-VEN	3/28/22 0745	1	1	2							4	LS, KB, SM
MO-HUE	3/28/22 0930	1	1	2							4	04,55
Relinquished	Printed Name W	2 (	ΣΛ	~	B.	CAR	.E.Y					
	Signature W	ell	in	ı	В.	Cor	eg.			· .	•	
	Affiliation UC	WP	Ø.			Date	e/Time		<u>} - `</u>	2 <b>%</b>	- 22	1 1045
Received	Printed Name	e n	M e	+1+	2	3 hns	v~					
	Signature	Ÿ	<u>`</u>	Á	<del>-</del>	Na						
	Affiliation		0	ر 2	<del></del>	Date	e/Time	3	12	9	22	10:45
Other Notes:												
Outer Profes:							· · · · · · · · · · · · · · · · · · ·					



# Sample Receipt Checklist

	Weck WKO:	2029053		Date		3/29/22 1245
	WKO Logged by:	Branns GEF			# of Samples:	
Sam	ples Checked by:	Branow GEE			Delivered by:	D63
	Task		Yes	No	N/A	Comments
	COC present at re	eceipt?				
	COC properly con	npleted?	K		_	
202	COC matches san	nple labels?			_	
ŏ						
	Project Manager	notified?			(X)	
	Sample Temperat	ture	2.4 ℃			
	Samples received				-	
Receipt Information	lce Type (Blue/W		wet		-	
nat	All samples intact				_	
orn	Samples in prope		П			
<u>lı</u>	Sufficient sample				_	
ipt	Samples intact?				_	
ece	Received within h	nolding time?	. <u> </u>		_	
~					.=	<del>" "</del>
	Project Manager	notified?				
	Sample labels che	ecked for correct preservation?				
ication?		none, <6mm/ <pea size?<br="">.1, 8260, 1666 P/T, LUFT</pea>				
reservation Verification?	pH verified upon Metals <2; H2SO4	receipt? I pres tests <2; 522<4; TOC <2; 608.3	<sub>5-9</sub>			
servat	Free Chlorine Tes	ted <0.1	□.			
Sample Pre	O&G pH <2 verifie		<b>X</b>			pH paper Lot# <b>I 3</b> loss pH Reading: &C
Sai	pH adjusted for O	&G		<b>K</b>	10 mg 40 mg	Acid Fot#
	Project Manager	notified?	1. A.L		19	Amt added: *
РМ Со	mments					
Sample Signat	e Receipt Checkli ture:	st Prepared by:			Date:	3/29/2022

# A Probably

# 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 2)

ampling Date:	3-28-22	·							Proj	ect N	Vum	ber:	202	1/22	2-3 (	Wet) Composites
mpling Team:	WBC, DL	TT,	, LS	KB	<u>, s</u>	M										
SAMPLE ID	DATE/TIM COLLECTE	1			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-Ghyphosate, 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)
IO-OXN	3/28/2214				X	X	X		X	X	X	X	X	X	1	LS, KB, SM
IO-SPA		15			Х	Х	Х	X	Х	X	Х	Х	Х	Х	1	DL, JJ
O-OJA	3/28/22 11				Х	Х	Х	X	Х	X	Х	Х	Х	Х	1	02,33
O-MEI	3/28/22 12				Х	Х	Х	X	Х	X	Х	Х	Х	Х	1	DL,JJ
O-FIL	<u>'</u>				Х	Х	Х	Х	Х	X	Х	Х	X	Х	1	
O-VEN					Х	Х	Χ	X	Χ	X	Х	Х	Х	Х	1	
O-HUE					Х	Х	Х	Х	Х	X	Х	Х	Х	Х	1	•
elinquished	Printed Name Signature	Wi	zuz Kio	~	B	<u>8 .</u> -		nen	<u> -</u>					* -		(11/2
eceived	Affiliation Printed Name	F	Chs.	<del>اله</del> الم		R.,	d .	ر. د. و :	Dat €7	e/T	ime		5-21	, - 4	- 21	1613
	Signature	450	The second second						,,,	*****	CONTRACTOR TO STATE OF THE PARTY OF THE PART	White out of the second	Andrews and the			
q.	Affiliation	·		- Anna				and the state of t	Dat	e/T	ime	<	3 - 2	. X -		2 1614
	-	+	در	***************************************				•							4	4 1017
her Notes:	1) Filter for disso															ring limits are important).
	ions sind do not gr	iute iin	щей УС	Jume	sam	pies	WII	en ei	racti	ng p	non	rty 11:	st mc	w re	por	ang limits are important).



# Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

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

Diss Be, Se, Se Jones Wet (out only)  Met (onl Har 608)  Met (onl the only)	3-28-22 Project Number: 2021/22-3 (Wet) Composites													
Diss Be, Se, Se Jones Wet (out only)  Met (onl Har 608)  Met (onl the only)														
### A Property of the property	tals by200.8, Total & solved: Sb, Ag, Al, As, Cd, Cr, Cu, Fe, Ni, Pb, Tl, Zn, Hg tals by 200.7, Total ly): Ca, Mg (for rdness calc.)  3 include alpha- & nma-chlordane ame extraction with y-level spike for 3 thods: 625CTR, 70SIM-PAH, & 70SIM-PHENOLS a to select samples for /MSD where extraume permits (all test thods)													
ME-CC   X X X X X X X X X X X X X 1														
ME-SCR														
ME-VR2														
MO-CAM 1256/3-28-22	Be.													
	Be													
MO-SIM 118/3-18-22   X X X X X X X X X X X 1 JB	,SL													
MO-THO														
Relinquished Printed Name WILLIAM B. CAREY  Signature William B. Correy  Affiliation VCWPO Date/Time 3-28-22/16  Received Printed Name Firmando Redriguez  Signature  Affiliation DCS Date/Time 3-23-22	1414													
Other Notes:  1) Filter for dissolved metals and perform conductivity analyses immediately.  2) Please limit dilutions and do not dilute limited volume samples when exacting priority list flow reporting lie.														



# 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	129	22							]	Proje	ect N	Jum	ber:	202	1/22	-3 (	Wet) Composites (2)
Sampling Team:	<u>O</u>	WB_	CARE	Y K	<u>H</u>	HS.	Ĺ	.Ovc	. sl	سحااه	dne	CV GR	<i>V</i> +	<u> </u>	ر زیں	ev	Ccy	man	·
SAMPLE ID	1	DAT	ſE/TII	ME			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		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	<b></b>		12 0,				X	X	Х	X	Х	X	Х	X	X	Х	X	1	LS, SC
ME-SCR		\	093		<u> </u>			Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	1	WBC, KH
ME-VR2			08					X	Х	Х	Х	Х	Х	Х	Х	Х	Х	1	WBC, KH
MO-FIL			67	40				Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1	WBC, RH
MO-HUE			-	55				Х	Х	X.	Х	Х	Х	Х	Х	Х	Х	1	LS, SC
мо-тно			09					Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1	LS,SC
MO-VEN	\	1	08	-				Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	1	WBC, KH
															<u> </u>		<u> </u>		
Relinquished	Prin Sign Affi	atur		-	IL Ville V	li			CA	RE Pli	<u>Y</u>	Dat	e/T	ime		3 -2	29 -	22	11045
Received	Prin	ited	Name	1	<u>رُرٌ</u>	nr	for	11	~	29	hn.	<u>~~</u>							
	Sign	natur	re			-	Z	_1	N	<	>	N	^~					1	
	Ū	iliati			0	C.	3				l	Dat	te/T	ime		3	20	1/2	12 10:45
Other Notes:  2) Please limit diluti				solved														•por	ting limits are important).
All times P	,		-0 1101			- 10		. 541	Tie	_ **11			8 t	-101	) 11	(10		- P-01	
Ventura Co Manageme	ountyv	wide	Stormw m 2021	rater Qu /22 Ann	rality ual F	3 <sub>/</sub> Repor	/21 rt	1/2	2	Pag	e DE	138	45	70.	2	.4°	<i>V</i>		Attachment D Appendix E



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

**Equipment - Weck Laboratories** 

Sampling Date:	3/29/2	2	Project Number: 2021/22-3 (Wet) Cleaning (2)											
Sampling Team:	WB. CAREY	K.HAHS,	L.SH	ELLEN	BARC	er, s	- CARMEN							
Jamping Team.			Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required									
* * * * * * * * * * * * * * * * * * * *	EQUIPMENT		Ö	Cle	ž		NOTES  Please place tape or plastic bag over top and note on wrap							
18.5 L wide neck	carboy and lid						if bottle was cleaned with methanol.							
20 L narrow neck silicone stopper	carboy and lid (+as	sembly) or			7									
Blue cube cooler					フ									
Grey bucket					•		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.							
Black bottle bag					5									
Bottle harness	-				2_									
							<u> </u>							
Dalin aviahad	Printed Name	WILLIAM	N C	<u>kre</u> y	<u> </u>									
Relinquished		Willian		<u> </u>										
	Signature Affiliation	NCMI			Date/1	Time 3	3-29-22/1045							
Received	Printed Name	Kenne	TH :	 Johns										
	Signature		W											
	Affiliation	D	25		Date/7	Γime -	3 29 22 10:45							
Other Notes:														
Office 1401cs.				***************************************										



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:	- 51512°	Chiman Dicar	7	Project Number: 2021/22-4 (Dry) VRN+HUE Williamson										
LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Itay Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX )				Number of Bottles	NOTES					
	ME-VR2	5/3/22 1100	X	X				1						
	MO-OJA	5/3/22 935	X	X				1						
	MO-MET	4/4	X	X	300			1						
	MO-HUE	5/3/12 12/5	X	X				1						
					1									
Relinquished	Printed Name Signature	Sauvel	30	IN	lavi	3	-							
	Affiliation	1- ncon	-	Da	te/Time	_	51.	3/2	2 1255					
Received	Printed Name	WILLIAM STHIN	IAR	FZ		_	_							
	Signature	Trilling Adar	vary		-			-						
	Affiliation	VCPHI_	6	/Da	ite/Time	0	5/0	3/2	10125					
Other Notes:	Perform bacteriologic	al analyses within 6 hours	of sa	mpl	e collecti	on ti	me							
	1:10 1:100, and 1:100	0 dilutions for E. coli												



Ventura County Watershed Protection District

2220012

NPDES Stormwater Monitoring Program

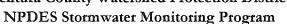
Project: NPDES Stormwater Wet Season (Contract AE17-001)

Grabs - Weck Laboratories (SIDE 1 of 1)

Sampling Date:		3/22							Proje	ect N	Juml	oer:	202	1/22	2-4 (I	Dry) Grabs VRW+HVE
Sampling Team:		yel las	ma	~		<u>De</u>	an	<u> </u>	f; l	kin	300	<u></u>				
		-	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (LUFT GC/MS)	MIBE & 2CLEVE (EPA 624:1)	Travel Blanks (EPA 624.1)-only analyze if his								of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
	DATE		1 & Gr	anide	30 (L)	TBE	avef B								Number	
SAMPLE ID ME-VR2	5/3/22		1 1	<u>5</u>		3	F									NOTES
	5/3/22		1	1	<i>3</i>		The second								5 B	
MOMEL	77724	777	1	1-1-	3				*			-110,000		_	5	
MO-HUE	5/3/22	.1215	<u> </u>	1	3	45									<b>E</b> 5	
						Ì										
-																
Relinquished	Printed Nan	ne S	aw	y e	/	Ca	/ M.	ın								
•	Signature			~ .	جر د کام											
•	Affiliation	Y	2.12.	cor				_	Dat	e/T	ime		5	13	127	L - 1335
Received	Printed Nan	ne M	26	a	Lu											
	Signature		0		VII	D.										
	Affiliation	Wed	K	40	56	Î		•	Dat	e/T	ime	5		3-7	12/	13:35
Other Notes:	<u> M</u> c	394			<u>J</u>		<u>&gt;-</u>	77	7		5	<u>. 5</u>	0		$\overline{X}$	ingfrom 05/03/22 15:50 3016 TOE
																· · · · · · · · · · · · · · · · · · ·



Ventura County Watershed Protection District



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

Metals by 200.8, Total & Discover: Sh. Ag. Al. As, Be. Cd. Cr. Cu. Fe. Ni, Pb., Se. Ti., Zn., Hig Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)  100	Sampling Date:	5/3/22						. :	Proj	ect l	Vum	ber:	202	1/22	2-4 (	Dry) Composites VRW+HW
Compared to the content of the con	Sampling Team:	Sauyer	<u>ar</u>	ma	<u>,                                    </u>		Pe	an	<u>り</u>	<u> [[]</u>	Kin	15°	<u> </u>			
Signature  Affiliation  Received  Printed Name  Signature  Affiliation  Date/Time  S/3/22 - 1335  Date/Time  Date/Time  S-3-72   3,35  Date/Time  Date/Time  Date/Time  S-3-72   3,35  Date/Time  Date	SAMPLE ID . ME-VR2 MO-OJA MO-MEI MO-HUE	5/3/22 · 1104 5/3/22 · 935			X X Metals total & dissolved (+ Hardness)	X X X	X X X	X   X   NO3+NO2 (353.2), Cl, F, (300.0),	X X Phosphorus-P Total & Dis	X X X 625.1-CTR, 8270SIM-PAH, 8270SIM-Phenols	X X X	X X X	X X <del>X</del>	X   X   ALK, CLO4, Turb, TDS, TSS, VSS,	1 1 -1-	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)
Signature  Affiliation  Received  Printed Name  Signature  Affiliation  Date/Time  S/3/22 - 1335  Date/Time  Date/Time  S-3-72   3,35  Date/Time  Date/Time  Date/Time  S-3-72   3,35  Date/Time  Date	······································					-	<u> </u>				-					
Received Printed Name  Signature  Affiliation  Date/Time  Date/Time  1) Filter for dissolved metals and perform conductivity analyses immediately.  Please limit dilutions and do not dilute limited volume samples when enacting priority list (low reporting limits are important).	Relinquished	Signature	C 12.5	garan e e e e e e e e e e e e e e e e e e e	$\widehat{\mathscr{L}}_{\mathcal{S}}$		ars	na			<u></u>	<u> </u>	< 1.	7/-	7 7 .	1.1235
2) Please limit dilutions and do not dilute limited volume samples when enacting priority list (low reporting limits are important).	Received	Printed Name Signature	1 a	/	d abs	p S		-								
	Other Notes:														i	
	) Please limit dilutio	ons and do not dilute l	mited	l volu	ımę sa	mple	s wh	en ei	nact	ing p	rior.	ity li:	st (le	ow re	epor	ting limits are important).



# Ventura County Watershed Protection District

# NPDES Stormwater Monitoring Program

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

Sampling Date:	5/3/22 Sanyer				Project 1	Number:	2021/22-4 (Dry) Cleaning VRい ナHリ	E
Sampling Team:	Sanyel	Carmon	, 12	ean	Wilk!	nson		
	EQUIPMENT		Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required		NOTES	
	earboy and lid-						Please place tape or plastic bag over top and note or if bottle was cleaned with methanol.	1 wrap
silicone stopper		bly) or			×			
Blue cube cooler	×3				X			
							Please place tape or plastic bag over top and note or if bottle was cleaned with methanol.	ı wrap
Black bottle bag	X2	***************************************			X			
Bottle harness	×4		Ç		X			
							·	
	994 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 -							
· · · · · · · · · · · · · · · · · · ·								
Relinquished	Printed Name	Sarye	16	arma	$\sim$			
_	Signature	58						
	Affiliation	Piker			Date/T	ime	5/3/22 - 1335	
Received	Printed Name	lagaly		4				
	Signature	70	Mi	yeu				
		eck Lal	25/ (	j	Date/T	ime <u>5</u>	-3-22/13:35	
Other Notes:	Maz	9	5-3	-7Z	/ 15	- <b>5</b> 0	7	15:50
		Ú						3.70
	***************************************						-	7-026



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
	ME-SCR	5/17/2022 0935	X	X			1	NOTES
	MO-SPA		X	X			1	
	MO-FIL	5/17/20n 0815	X	X			1	
	MO-OXN		X	X	La et		1	
	MO-VEN		X	X			1	
linquished	Printed Name	WILLIAM CI	AR.	èt				
	Signature Affiliation	William Co	-0	► Date/Ti	ime5	-17-	-22/11	40
ceived	Printed Name	WILLIAM SCHWART	7					
	Signature	William Jelm	rooth	5.				
	Affiliation	VCPHL:		Date/Ti	ime 05	17.2	@114	0

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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 1)

Sampling Date:	5-17-22		Project Number: 2021/22-4 (Dry) Grabs SCRW
Sampling Team:	W.B. CAREY \$	E. MCCORD	
	DATE/TIME	Oil & Grease (EPA 1664A)  Cyanide (ASTM D7511)  GRO (LUFT GC/MS)  WTBE & 2CLEVE (EPA 624.1)  Travel Blanks (EPA 624 1)-only analyze if hits	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
SAMPLE ID	COLLECTED		
ME-SCR	5-17-22/0950	1 1 3 3 1	5
MO-SPA	0935	1 1 3 8 1	
MO-FIL	5-17-22/0810	1 1 3 3	
MO-OXN	0815	1 1 3 3	5
MO-VEN-		1 1 3 3	\$
Relinquished	Signature W	LLIAM CAREY illiam Carey ICWPB	Date/Time 5-17-22 / 1315
Received	Printed Name Signature Affiliation	ura Ciciste an O'C eck lab	Plum  Date/Time 5 17 22 13:5
Other Notes:		(). 511-7)	20x rowe 30

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Ventura Countywide Stormwater Quality
Management Program 2021/22 Annual Report

# 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:	5-17-2	2						_	Proj	ect l	Num	ber:	202	1/2	2-4 (	Dry) Composites ちくれい
Sampling Team:	W.B. CAR	LEY	<del>7</del> !	<u> </u>	·cCe	, ad	)	_								
SAMPLE ID	DATE/TIN				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	5-17-22 /c			+	<u>Σ</u> Χ	X	X	Z X	<u>Σ</u>	) X	X <u>rc</u>	X X	A X	X	<u>Z</u>	<b>NOTES</b> 09:50
M <del>O-SPA-</del>	3.7.22/6	7435		-	X	X	X	X	X	X	X	X	X	X	1	
MO-FIL	5-17-22/08	315			X	Х	Х	Х	Х	Х	Х	Х	X	X	1	08:10
MO-OXN-			$\top$		X	Х	Х	Х	Х	Х	X	X	Х	X	1	
MO-VEN-					X	Х	Х	Х	Х	Χ	Х	X	X	X	1	
	*Sample	time	e C	orre	ect	ioi	n p	er	K	el:	LУ	На	hs	•	ВG	6/28/2022
Relinquished	Printed Name	Wi	lli	~~1	C	~	en									
Received	Signature Affiliation Printed Name Signature Affiliation	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	WILLIAM CAREY  CWPD Date/Time 5-17-22/1315  NUTA GASTOLUM  AU D.  PCK LUD Date/Time 5/17/22 13:15													
Other Notes: 2) Please limit diluti		Filter for dissolved metals and perform conductivity analyses immediately.  and do not dilute limited volume samples when enacting priority list (low reporting limits are important).														



# Ventura County Watershed Protection District

# NPDES Stormwater Monitoring Program

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

Sampling Date:	5-17-22	) >			Project l	Number	: 2021/22-4 (Dry) Cleaning SCRW
Sampling Team:	W.B.CAR	ey & E. M	clop	<u>d</u>	···		
			Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required		
	EQUIPMENT		_ <u></u>	Cle	ž		NOTES
18.5 L wide neck of	arboy-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 (+a	ssembly) or	2.				
Blue cube cooler					2,		
Grey bucket							Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Black bottle bag					2		
Bottle harness							
***************************************					***************************************		
Relinquished	Printed Name	WALLIEW	CP	<b>NEY</b>		J	
	Signature	william		2741/			·
	Affiliation	NCWPD			Date/T	ime	5-17-22/1315
Received	Printed Name	Lacora	Ga	ust	elu	m	
	Signature	O In	l		<u>/ 5</u>	•	
	Affiliation	Weck	Le	<b>1</b> /2	Date/T	ime	5 17 22 13:15
Other Notes:				*			
		<u>a iz [</u>	) -	5/1	112	<u>ک</u>	4:14



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season

Bacteriological - VCHCA Lab (SIDE 1 of 1)

Sampling Date:	5/19/20	22		Pro	oject Number: 20	21/2:	2-4 (	Dry)	CCW		
Sampling Team:	W. B. Cree	22 E. Melord	-		Marissa	D	e	Hoyos			
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	5/19/2022 1035	X	X			1				
	MO-CAM	5/19/2022 1115	X	X			1				
	MO-MPK.		X	X		-	-1-				
	MO-SIM	5/19/2022 0835	X	X			1				
	мо-тно	5/19/2022 0940	X	X			1				
			1						~		
Relinquished	Printed Name Signature	Marissa Detto	10	5							
	Affiliation	Rincon		Da	te/Time 05/1	9/	22	- 1	209		
Received	Printed Name	WILLIAM SCHIWA	PT	7							
	Signature	William Ant	יוטוי	5/6	-						
	Affiliation	VCPHL /	(	Da	te/Time 05/	4/2	20	1709			
Other Notes:	Perform bacteriologic	cal analyses within 6 hours o	f san	nple	collection time	-					
		0 dilutions for E. coli									
		d 1:1000 dilutions for E. coli									

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Ventura Countywide Stormwater Quality
Management Program 2021/22 Annual Report

# Chain of Custody Record

Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program

Project: NPDES Stormwater Wet Season (<u>Contract AE17-001</u>) Grabs - Weck Laboratories (SIDE 1 of 1)

Sampling Date:	5-19-22							Proje	t Nur	nber:	2021/	22-4 (	(Dry) Grabs CCW
Sampling Team:	EM, WBC, M)												
	DATE/TIME	Oil & Grease (EPA 1664A)  Cyanide (ASTM D7511)  GRO (LUFT GC/MS)  WTBE & 2CLEVE (EPA 624.1)  Travel Blanks (EPA 624.1)-only analyze if hith									Number of Bottles	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.	
SAMPLE ID ME-CC	COLLECTED	1	<u>5</u>		*	H							
MO-CAM	5-19-22/1035	2	1	3	1	The state of the s	_		-			5	
	5-19-22/1115			3	H	H	<u> </u>	$\vdash$				6	
MO-MPK		1	1	3	1		_	$\vdash$	_			5	
MO-SIM	5-19-22/0835	1	1	3	3	1	ļ		_			5	
MO-THO	5-19-22/0940	1	1	3	1	1	<u> </u>					5	
										<u> </u>			
						<u> </u>							
Palinguished	Printed Name W. S	. /	~ A.	QP	w								
Relinquished		B.									•		
	Signature W-	VC			0			Date	/Time		C~[6	1-20	2/1250
		11/	- 9	<u> </u>	r W	-1 /		oh.	, 1 mm		<u> </u>		
Received	Printed Name	<u> </u>	<u>1</u>		7	<del>L</del> E		$\frac{e_{1}}{e}$	AVI				
	Signature	<u>X</u>	Q	1	X	<del></del>		<u>(                                     </u>		<del></del>	7=1	و سعرو	
	Affiliation		· · · · · · · · · · · · · · · · · · ·				•	Date	/Time	e	9	10	<u> </u>
Other Notes:													
	<u> </u>											~~	
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## 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:	5-19-22						_	Proj	ect l	Vum	ber:	202	1/22	2-4 (	Dry) Composites CCW
Sampling Team:	E-MCCORD,	wsc		W)	}										
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 by 200.8, 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	5-19-22/1035		X	X	X	Х	X	Х	Х	X	X	X	X	1	
МО-САМ	5-19-22/1134			X	Х	Х	Х	Х	X	Х	Χ	Χ	X	1	
MO-MPK				X	Х	Х	Х	Х	Х	Χ	Χ	Χ	X	1	
MO-SIM	5-19-22/0835			X	X	Х	Х	Х	Х	X	X	Х	X	1	
МО-ТНО	5-19-22/0940			X	Х	Х	Х	Χ	X	X	X	Х	X	1	
Relinquished	Printed Name	<u>-B - (</u>	C-A	RE	-7										
	Signature	1-13-	Co	JU	<u></u>										
	Affiliation	CWP	D					Dat	e/Ti	ime	5	j	7	22	11250
Received	Printed Name	DYK	6	166	9	E		lW	1	······					
	Signature	<u>K</u> .	M	W			1								
	Affiliation			7				Dat	e/Ti	ime		C		10	72
Other Net	1) Filton for Jin-1- 1		. د	c.		1						1:	1	*	
Other Notes: 2) Please limit diluti	<ol> <li>Filter for dissolved in lons and do not dilute lin</li> </ol>													port	ting limits are important).
				***************************************					<u>.ur</u>			\- <del>-</del> -		1	<u> </u>

Ventura Countywide Stormwater Quality Management Program 2021/22 Annual Report 3:22 fm 5/19/22 Jama man Sta 27 Appendix E



Ventura Countywide Stormwater Quality Management Program 2021/22 Annual Report

# Chain of Custody Record

# Ventura County Watershed Protection District

# NPDES Stormwater Monitoring Program

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

Sampling Date:	2-14-5-5			Project N	Number: 2	2021/22-4 (Dry) Cleaning CCV
Sampling Team:	E. MCCORD, WBC,	MA				
		Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required		
18.5 L wide neck	EQUIPMENT carboy and lid-	+ 5	C	Z		NOTES Please place tape or plastic bag over top and note on wrap
	carboy and lid (+assembly) or	L.			if	Fbottle was cleaned with methanol.
Blue cube cooler				€-iį		
Grey bucket					P	Please place tape or plastic bag over top and note on wrap bottle was cleaned with methanol.
Black bottle bag				V		
Bottle harness						
Relinquished	Printed Name W-B-C Signature W-B-	AREY Cane	<u> </u>			
Received	Affiliation  Printed Name  Signature  Affiliation	s Gruss	tel	Date/Tir		-19-22/1250 
Other Notes:	i i					
Ventura	Countywide Stormwater Quality		، Page D	5/10 E-51	112	2 January SIMIZZ ISZ Attachment DAppendix FO



# Ventura County Watershed Protection District NPDES Stormwater Monitoring Program

Major Outfall Dry Weather Monitoring Bacteriological - VCHCA Lab

Sampling Date:	8	12	122

Sample Event: DRY 2022

Sampling Team:	W.B. CAREY	K. HAHK

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX	E. coli (Tray Method - WQ IDEXX)		Number of Bostley	Number of bottles	NOTES
	Gamarillo-1							MO-CAM
	Fillmore-1	8/2/22 10 20	×	×				MO-FIL
	Moorpark-1							MO-MPK
	Ojai-1							MO-OJA
	Oxnard-2	8/2/22 0830	x	×				MOON DRY-OXNZ
	Port Hueneme-3	1250	X	×				DRY-HUE3
~	Santa Paula-2	V 0930	*	X				DRY-SPA2
	Simi Valley 1							MO-SIM
	Thousand Oaks-1					31.1	1	MO-THO
	Unincorporated-4							DRY-UNI4
	Ventura-5	8/2/22 1210	X	X	71767			DRY-VENS
elinquished	Printed Name	KELLY HAH	15					
	Signature	Bludds						
	Affiliation	VOWPD		Date/	Time 8	2/22		13:25
ceived	Printed Name	Teresa Calds						
	Signature		337	-				
		Employed P. Street Control of the Co			Time 82			



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

Bacteriological - VCHCA Lab

Sampling Date: Sample Event: DRY 2022 W.B. CAREY K. HAHS Sampling Team: Total Coliform (Tray Method - WQ IDEXX (Tray Method - WQ IDEXX Number of Bottles coli LAB USE DATE/TIME **ONLY** SAMPLE ID COLLECTED E **NOTES** Camarillo-1 0735 MO-CAM Fillmore 1 MO FIL MO-MPR (OLY) Moorpark-1 Ojai 1 MO-OJA Oxnard 1 MO OXN Rort Hueneme-3-DRY HUE3 Santa Paula-2 DRY SPA2 8/3/22 Simi Valley-1 0900 MO-SIM 8/3/22 Thousand Oaks-1 1020 MO-THO × X Unincorporated 4. DRY-UNH Ventura-1 MO-VEN-HAHS Relinquished Printed Name Signature Affiliation Received Printed Name Signature Affiliation 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 - Weck Laboratories

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

Sampling Date:

8/2+8/3/22

Sample Event: DRY 2022

Sampling Team: W. &	CAREY K. HA	¥H5					his section is
	DATE/TIME	Total Hardness	· ·	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.)
SAMPLE ID	COLLECTED	Tot	TOC			Z	NOTES
Camarillo-1	8/3/22 0735	Х	X	X			
Fillmore-1	8/2/22 1020	X	X	х	4		4,,,
Aoorpark-1		X	X				DRY
<del>)jai-1-</del>		X	X	<del>-x</del> -			DRY
Oxnard- <b>2</b>	8/2/22 0830	X	X	X	Ť		
Port Hueneme-3	1250	X	X	X	4		
Santa Paula-2	0930	X	X	X	4		
imi Valley-1	8/3/22 0900	X	X	X,	4		
Thousand Oaks-1	1020	, X	Х	Х	4		**1.
Inincorporated 4-		*	-X-	X			channel scraping /cleaning
Ventura- <b>5</b>	8/2/22 1210	X	X	Х	- 4		1)
Relinquished Printed Name Signature	cally Hds	15			1 - 1		
Affiliation  Received Printed Name	A-ILIAN (	roup	Date/T	ime	8/3/	22	16:05
Signature Affiliation	WECK LAN	35	Date/T	ime	8/3/	2.2	· · · · · · · · · · · · · · · · · · ·
Other Notes: 122 CIPUX	1-Alsad	of c	2 2	8/3	122		1851 1857
Ventura Countywide Storn Management Program 202	nwater Quality 21/22 Annual Report	Page	e DE - 54		,		Artaclament D Appendix



Weck WKO: 2H04007

# Sample Receipt Checklist

		2H04007		Date/	Time Received:	08/03/22 @ 18:5 <b>1</b>
		Algabriel Holanda			# of Samples:	8
Samp	oles Checked by: _	ATH			Delivered by:	Allan
	Task		Yes	No	N/A	Comments
	COC present at re	eceipt?	×			The state of the s
	COC properly cor	npleted?	$\boxtimes$		_	
ပ္	COC matches san	nple labels?	$\bowtie$		_	- 1 ii.
202					_	
					¥	
	Project Manager	notified?			$\boxtimes$	
	1				_	
	Sample Temperat		1.8		pagan	B
_	Samples received		$\boxtimes$		_	
Ęį	Ice Type (Blue/W		We	t	_	
Ë.	All samples intact		$\boxtimes$		_	
-fe	Samples in prope		$\boxtimes$		<u> </u>	
다	Sufficient sample	volume?	$\boxtimes$		_	
eip	Samples intact?		$\boxtimes$			
Receipt Information	Received within h	nolding time?	$\boxtimes$			
_						
	Project Manager	notified?			$\boxtimes$	
	1.					
	Sample labels che	ecked for correct preservation?	$\boxtimes$			
					_	· · · · · · · · · · · · · · · · · · ·
Ä.		none, <6mm/ <pea size?<="" td=""><td></td><td></td><td><math>\boxtimes</math></td><td></td></pea>			$\boxtimes$	
atic	524.2, 524.3, 624	.1, 8260, 1666 P/T, LUFT		_		
ific	pH verified upon	vonciut)			_	
Ver		receipt? 4 pres tests <2; 522<4; TOC <2; 525.2<2;	$\boxtimes$			oH paper Lot# 2071882
u <sub>o</sub>	6710B<2; 608.3 5			ш		
⁄ati						
eservation Verification?	Free Chlorine Tes	ted <0.1			$\boxtimes$	Cl Test Strip Lot# 020821
			_	_		
Sample Pr	O&G pH <2 verifi	ed?		Ш		oH paper Lot#
ф						oH Reading:
Sa	pH adjusted for C	)&G				Acid Lot#
						Amt added:
	Project Manager	notified?			<u>=</u>	
	•					
РМ Со	mments					
Sample	e Receipt Checkli	st Prepared by				
Signat		or repared by.			Date:	08/04/22
Jigi lat					Date:	00/04/22



Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Major Outfall Dry Weather Monitoring Bacteriological - VCHCA Lab

Sampling Date:	8/10/2	2		San	nple Event:	DRY 2	022	
Sampling Team	8/10/2 W.B. CAR	EY KHAHS	_					
LAB USE ONLY	SAMPLE ID Unincorporated-4	DATE/TIME COLLECTED 8/10/22 0835	X   Total Coliform (Tray Method - WQ IDEXX)	× E. coli (Tray Method - WQ IDEXX)			- Number of Bottles	NOTES DRY-UNI4
				H)				
					H			
						-		<u> </u>
Relinquished	Printed Name	KELLY HAHS						
	Signature Affiliation	vcwed vcwed		Date	e/Time	8/10/	22	2 1015
Leceived	Printed Name	WILLIAM SCHWA	127	17				
	Signature Affiliation	Tariffing Adam		/ /	,	9/10/2	7	Q 1815
Other Notes:	1:10, 1:100, and 1:1000		U	, all	, Time	-1140		C 701 5



# Ventura County Watershed Protection District

ZH 10061

# NPDES Stormwater Monitoring Program Major Outfall Dry Weather Monitoring

Grabs - Weck Laboratories

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

Sampling Date:	8/10/27	Z CAREY K.H	JOHLL:	act 140		Event:			
Sampling Team:	_ W.B. (	AREY K.H	AHS	<u> </u>					
		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.)
SAMPI Unincorporated-4	E ID	COLLECTED	-	ř X	X	χ X			NOTES
Othincorporated-4	***************************************	8/10/22 08	35					4	<u> </u>
		,							
	· · · · · · · · · · · · · · · · · · ·								
									Con a and the
									Processing the Control of the Contro
									· · · · · · · · · · · · · · · · · · ·
	**************************************								
	· · · · · · · · · · · · · · · · · · ·						•	_	
Relinquished	Printed Name	KELLY	HA	4115					
	Signature	- But	<u>45</u>						
	Affiliation	VCW60			Date/T	ime	8/10	<u> </u>	12/1434
Received	Printed Name	- ALLAN	J (-	5-011	>/>E/	eh_			
	Signature	all	·				64	,	
	Affiliation	well			Date/T	ime	8lic	<u>) (</u>	22 1434
Other Notes:	All time	5 PDT.					4	<u> </u>	
RELINQ	-x 00	AL	LAA	<u>, , , , , , , , , , , , , , , , , , , </u>		110/2	2 1	10	1.04
۷ Ventura C	Countywide Storm	water Quality 1/22 Annual Report	mtG	OM (-i Pag	e DE - 5	)lolz		<b>)</b>	7-016K Attachment D Appendix E



# Sample Receipt Checklist

	Weck WKO:	2H10061		Date,	/Time Received:	08/10/22 17:03
,	WKO Logged by:	Jaime Gomez			# of Samples:	01
	oles Checked by:	<del></del>			•	Allan Goldberg
	Task		Yes	No	N/A	Comments
	COC present at r				375	COMMICHES
	COC properly con	·			<del>-</del>	
	COC properly col		⊠		_	
202	COC matches sar	tiple labels?			_	
O			$\boxtimes$	Ц	_	· · · · · · · · · · · · · · · · · · ·
	Project Manager	notified?		$\boxtimes$		
	Sample Tempera	ture	1.0	°C		
	Samples received		⊠.5		lance.	
o	Ice Type (Blue/W		Wet	-		an an aire an aire an aire an
Receipt Information	All samples intac		C     X			
Ē	· ·		$\boxtimes$		_	
nfo	Samples in prope	·			_	
pt 1	Sufficient sample	evolumer			_	
Sej	Samples intact?		$\boxtimes$		_	
Re	Received within	holding time?	$\boxtimes$			
	Project Manager	notified?		$\boxtimes$	_	
	Sample labels ch	ecked for correct preservation?				
<i>د</i> ٠.	VOC Headspace:	(No) none, If Yes (See comment)		_	_	
servation Verification?	1	4.1, 8260, 1666 P/T, LUFT			⊠ 	□ <6mm/Pea size?
rific	pH verified upon	receipt?			-	pH paper Lot#
Š	Metals <2; H2SO	4 pres tests <2; 522<4; TOC <2; 525.2<2;	$\boxtimes$			· · · · · · · · · · · · · · · · · · ·
ıtion	6710B<2; 608.3	S-9			_	
serva	Free Chlorine Te	sted <0.1		$\boxtimes$		Cl Test Strip Lot#
Sample Pre	500 11 5	AD 118 AND THE REPORT OF THE PROPERTY OF THE P	F77	<b>F</b>		
<del>pl</del> e	O&G pH <2 verif		- Ш	Ш	Sec.	pH paper Lot#
ш	Principlosopology situati	ieko producentskoj postaj kaj konstruktorija producej kaj kaj kaj kaj kaj kaj kaj kaj kaj ka				pH Reading:
S	pH adjusted for (	O&G				Acid Lot#
	Project Manager			$\boxtimes$		Amt added
	Project Manager	Tiotilea	<del></del>		_	
РМ Сс	mments					
•	<del>-</del>	list Prepared by:				
Signa	ture: Jaime Gon	nez		-	Date:	08/10/22



# **Ventura County Watershed Protection District** NPDES Stormwater Monitoring Program

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

Sampling Date: Sampling Team:	Decem W. Care	ber 14,	202				de 1 of	1			C Laboratories 2-2 (Wet)
SAMPLE ID	DATE/ COLLE		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	12/14/2021	12:20 PM	X	X	X	Х	1			3	Note 1, Note 2, Note 3
ME-VR2	12/14/2021	9:15 AM	X	X	X	Х				3	Note 1, Note 2, Note 3
ME-SCR	12/4/2021	It-DOAM					X	X	X	3	Note 1, Note 2, Note 3
				U	= V	12	251	1			
				65	2 2	Jac	=	60	(		*
				101	-	رالامث	-	4	1.		
						- 10	= =0,	10			
				<u> 201</u>		201	-	60	71	П	
Relinquished	Printed Name Signature Affiliation	Shan Pircon	non Cons	Mo	i,	S WPD	Date/I	Time	12/1	4(2	1 1500
Received	Printed Name	Victo	r N	large		-1					
	Signature	Viel	a pr	you							
(8	Affiliation	ABC	LAB	51			Date/T	ime [	2/14/	21	1500
Other Notes:	Note 1: Diluti	ons - 6.25%	, 12.5%	6, 25%,	50%,	100%.					
	Note 2: Please	contact Ke	llv Hal	s 805-	558-43	75 if let	hal or	subleth	al effec	+ > 5	0% TIF 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 Wet Season (Contract AE20-007)

Most Sensitive Species Testing - Toxicity - ABC Laboratories
Side 1 of 1

Sampling Date:	3/28/2022	,				Projec	t Numl	oer: 202	21/22	2-3 (Wet)	
Sampling Team:	3/29/2022 Jon Bridge	man	^,	Sau	70	Ca	m	**		,	
SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - <i>Pimephales promelas</i> (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	LOI) LOI NOTES	
ME-CC	3/28 - 1255	X	Х	X	X				3	Note 1, Note 2, Note 3	102
ME-VR2		X	X	X	X				3	Note 1, Note 2, Note 3	
ME-SCR						X	X	X	3	Note 1, Note 2, Note 3	
Relinquished	Signature	aw Zin	Sum	Car	ma	Date/	Tim <u>e</u>	3/	28	12022 · 1420	
Received	Printed Name Signature Affiliation	19 30	DA	B5	on _	Date/	Time	3/2	8/3	2022 1420	ko I
Other Notes:	Note 1: Dilutions - 6.25	%, 12.5	%, 25%	<b>6,</b> 50%,	100%.			A.			io i
									ct > .	50%. TIE may be needed.	
	Note 3: Notify District v	within ?	1 hour	e if eins	aificant	tovicit	rie obe	harred			



# 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

SAMPLE ID	DATE/TIME COLLECTED	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		X	X	X	X				3	Note 1, Note 2, Note 3
ME-VR2		X	X	X	X				3	Note 1, Note 2, Note 3
ME-SCR	3/28/22 1215					X	X	X	3	Note 1, Note 2, Note 3 LS, K
Relinquished	Printed Name Signature Affiliation  VC	USH UPD	Sl	nba	_		Time ]	3/28	122	16:02
Received	Printed Name Signature Affiliation	ife BE	le	184	_	Date/	Гim <u>e</u>	3	28	-22 1623
Other Notes:	Note 1: Dilutions - 6.259 Note 2: Please contact K Note 3: Notify District w	elly Ha	hs 805	-658-43	375 if le	770		7	ct > 5	50%. TIE may be needed.



# **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

Sampling Date:	2 Pave Laak
0 1 T	1 3/20/20

+Jill Jennings

Project Number: 2021/22-3 (Wet)

	1	
0 1: 77	11	
Sampling Team:	~	
. 1 0		

SAMPLE ID	DATE/TIME COLLECTED	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	LO)  NOTES
ME-CC	55225122	Х	Х	Х	Х		-		3	Note 1, Note 2, Note 3
ME-VR2	3/28/22 13:10	X	Х	Х	Х				3	Note 1, Note 2, Note 3
ME-SCR						X	Х	X	3	Note 1, Note 2, Note 3

Relinquished

Printed Name

Browssay

Signature Affiliation

VCWPD

Date/Time

13:40

Received

Printed Name

Signature

Affiliation

Date/Time

3.28.21 0

Other Notes:

Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100%.

Aguntic

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.