

# Santa Ana Regional Monitoring Program

September 2020 Update

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9/21/20



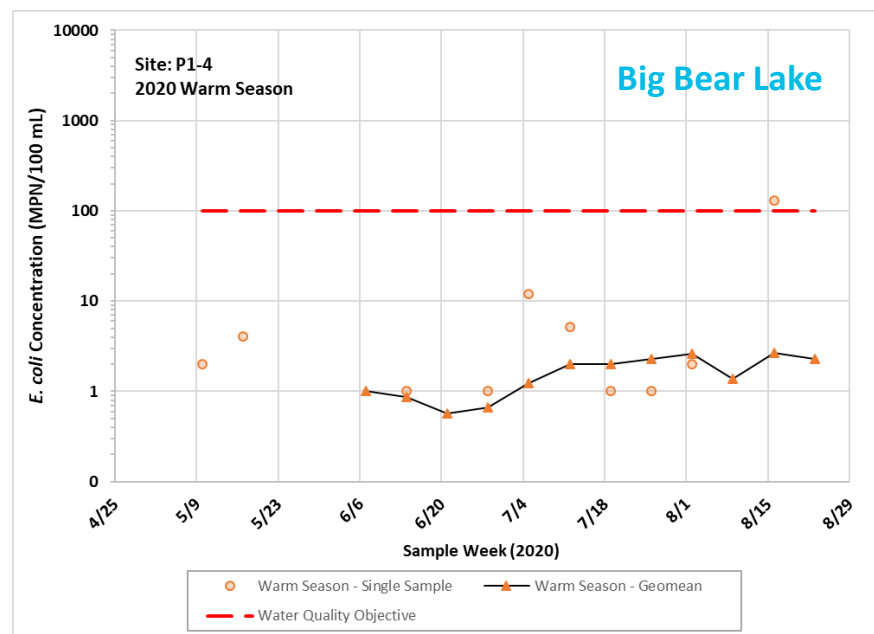
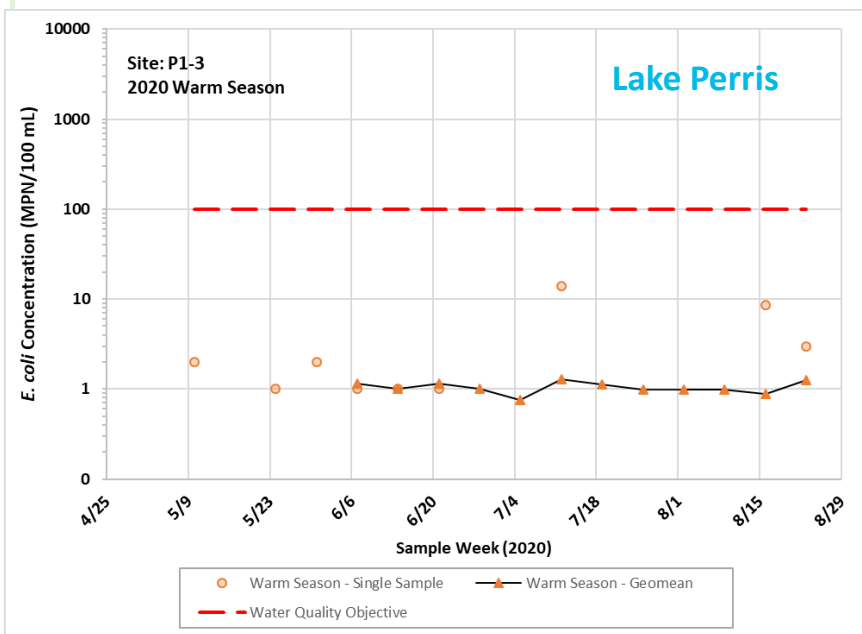
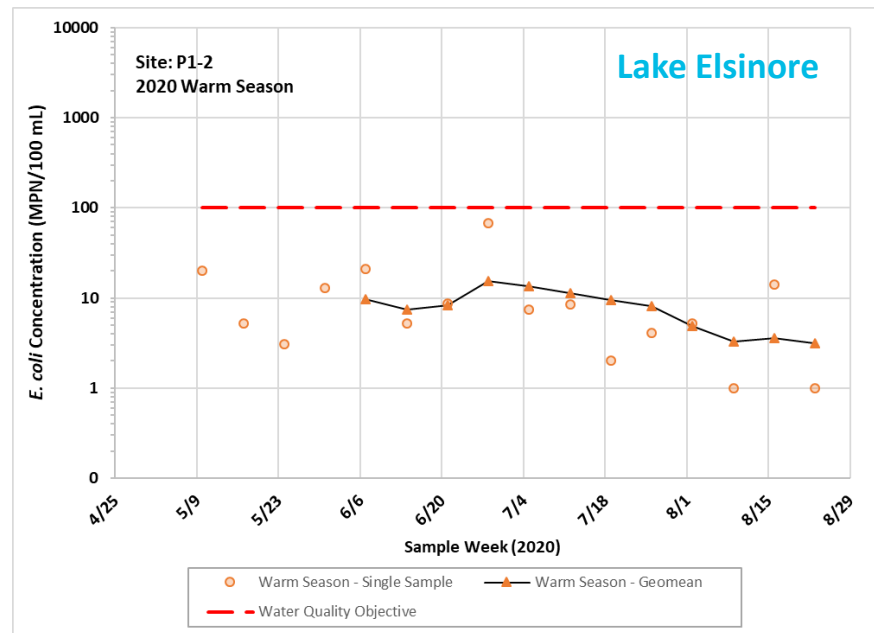
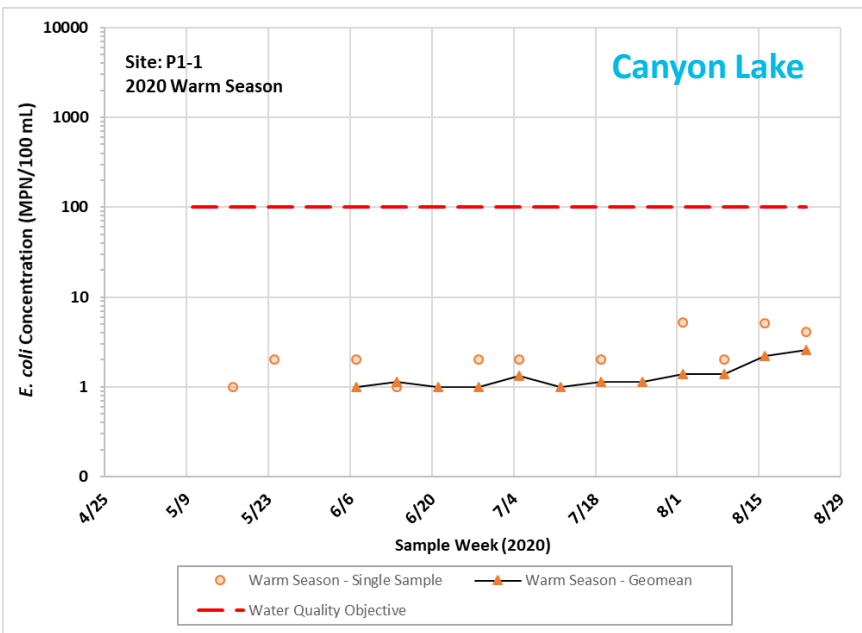
**CDM  
Smith**

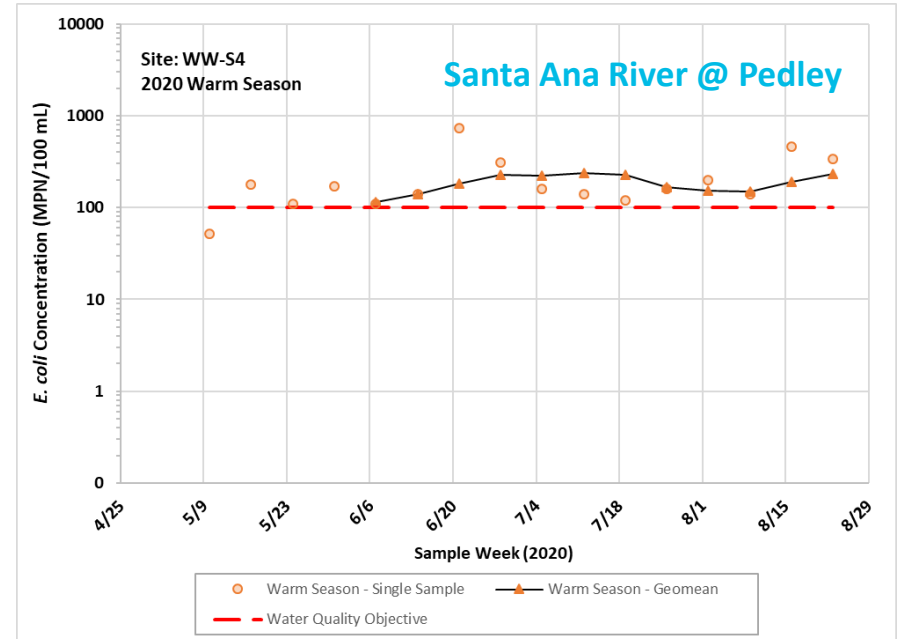
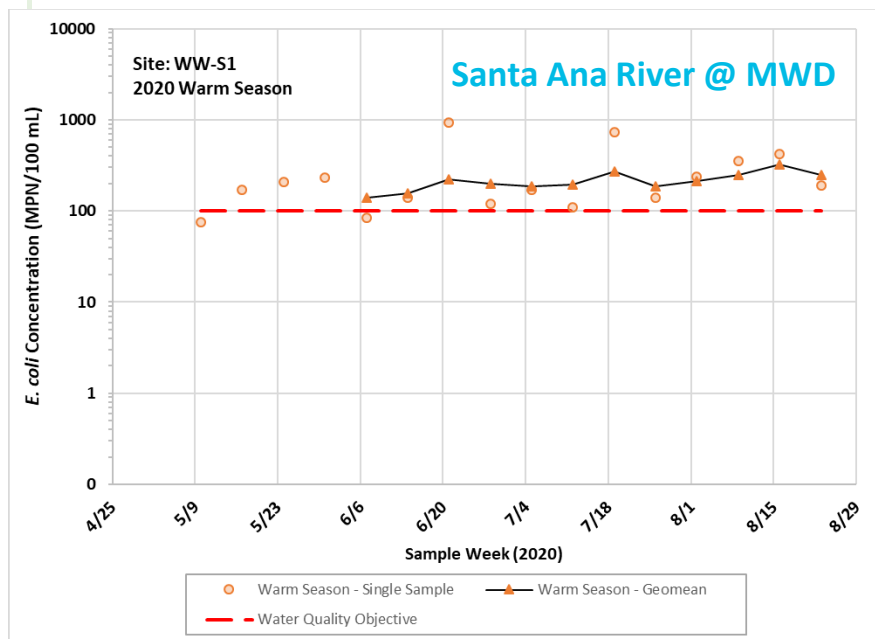
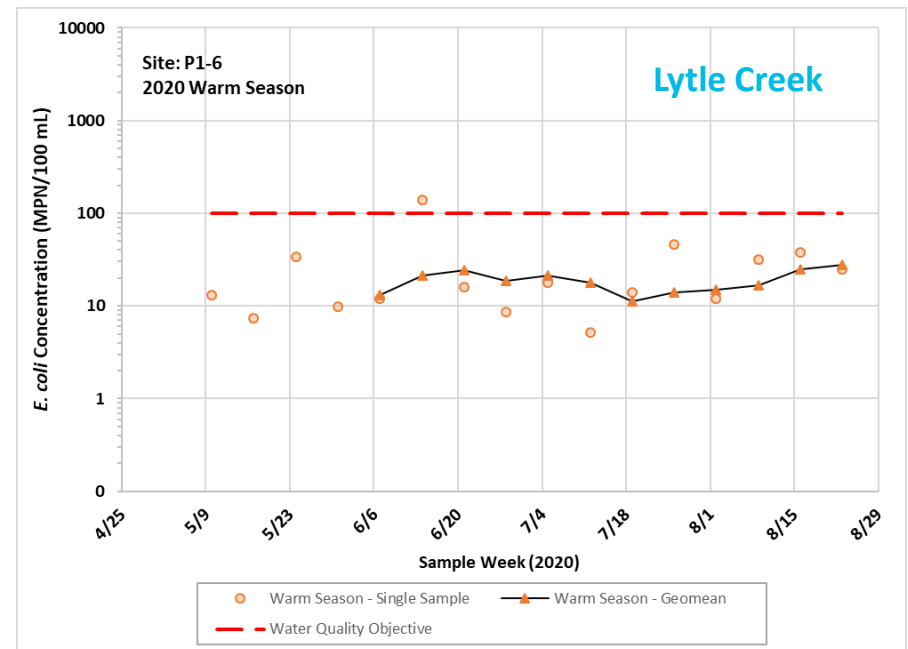
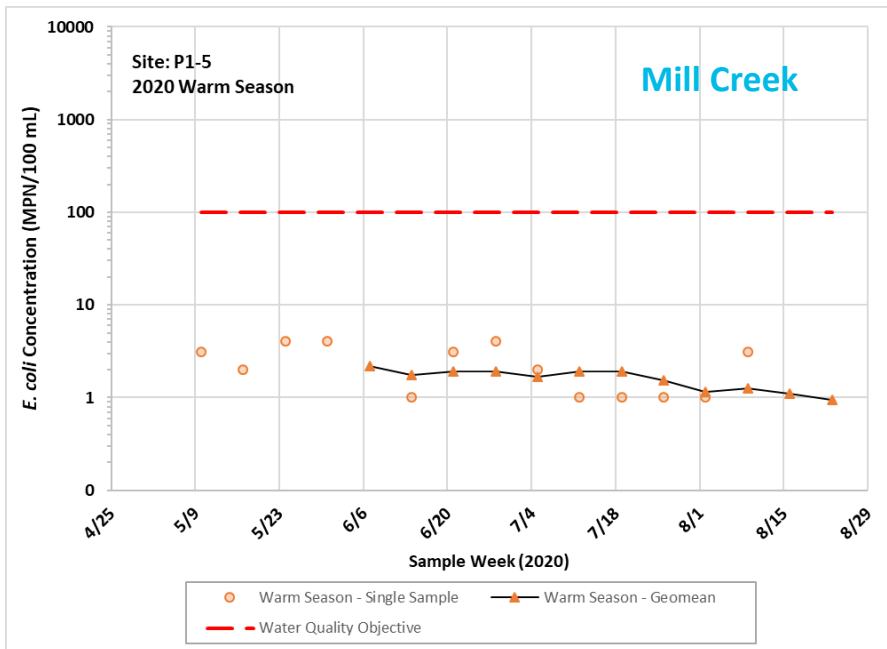
# Outline

- Priority 1
  - 2020 Dry Season Update
- Priority 2
  - 2020 Dry Season Update
  - Longitudinal Profiles
- Priority 3
  - 2020 Dry Season Update
  - Long-Term Planning
- Priority 4
  - 2020 Dry Season Update
- Next steps



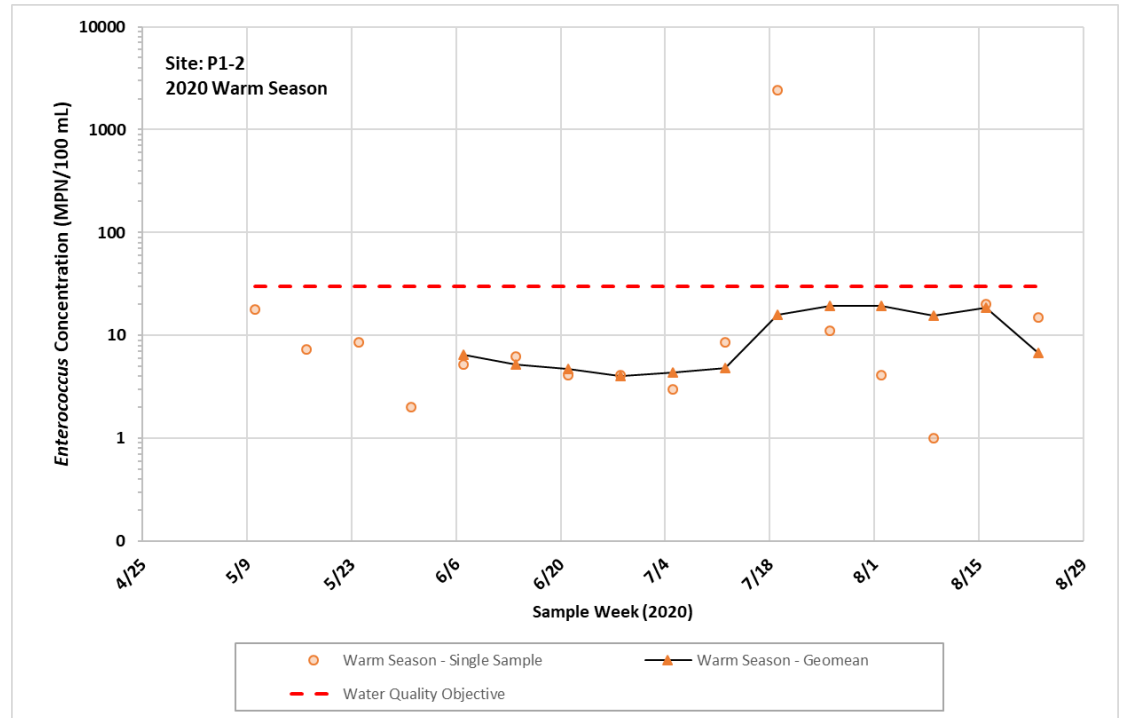
# Priority 1





# Lake Elsinore (P1-2)

Week beginning date	Enterococcus Concentration (MPN/100mL)
5/10/2020	18.0
5/17/2020	7.3
5/24/2020	8.5
5/31/2020	2.0
6/7/2020	5.2
6/14/2020	6.2
6/21/2020	4.1
6/28/2020	4.1
7/5/2020	3.0
7/12/2020	8.5
7/19/2020	2400.0*
7/26/2020	11.0
8/2/2020	4.1
8/9/2020	1.0
8/16/2020	20.0
8/23/2020	15.0



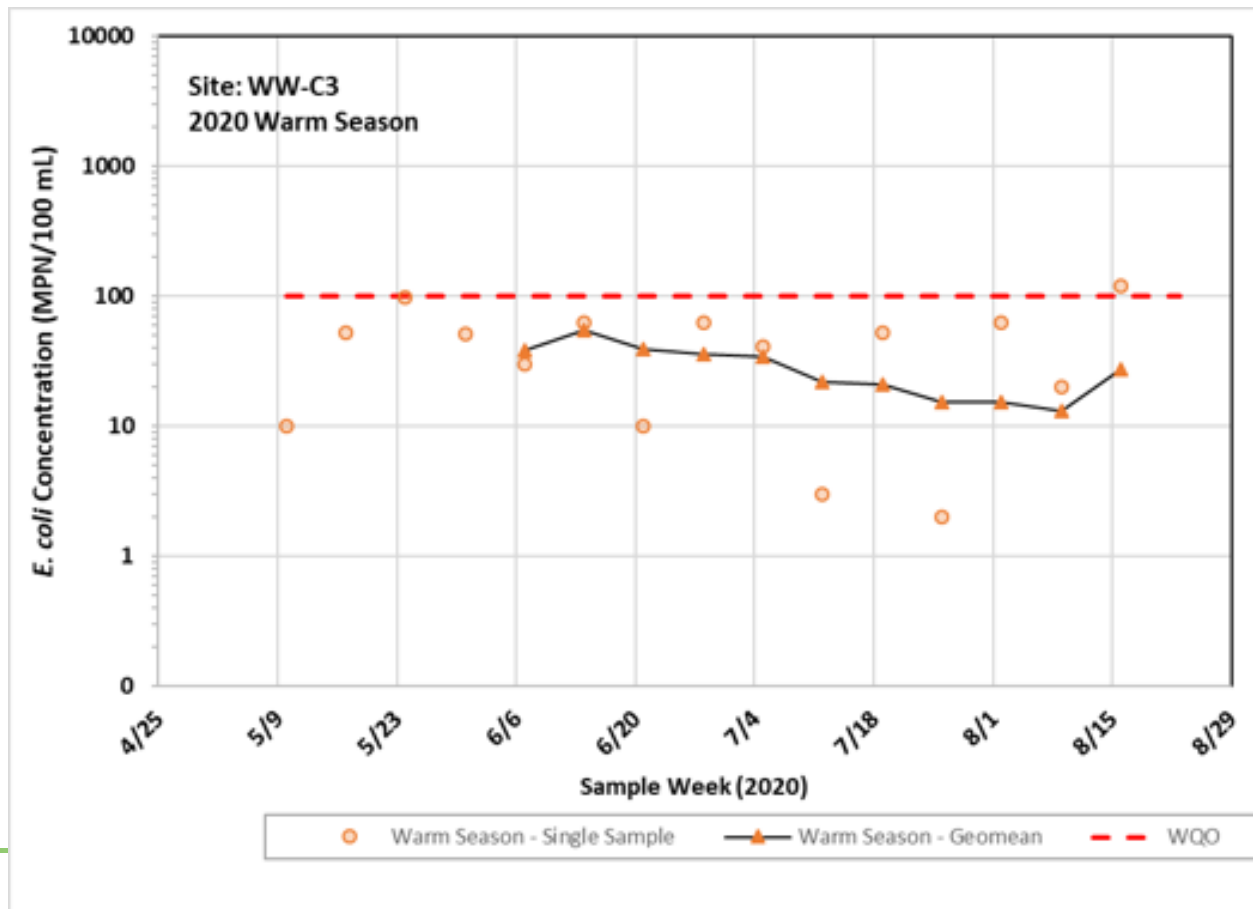
\* Sample did not correlate with an elevated E.coli measurement. Samplers noted birds, boats and foam on the shore of the sampling location. Also noted lower water level than usual. No precipitation recorded.



## Priority 2

# Prado Park Lake

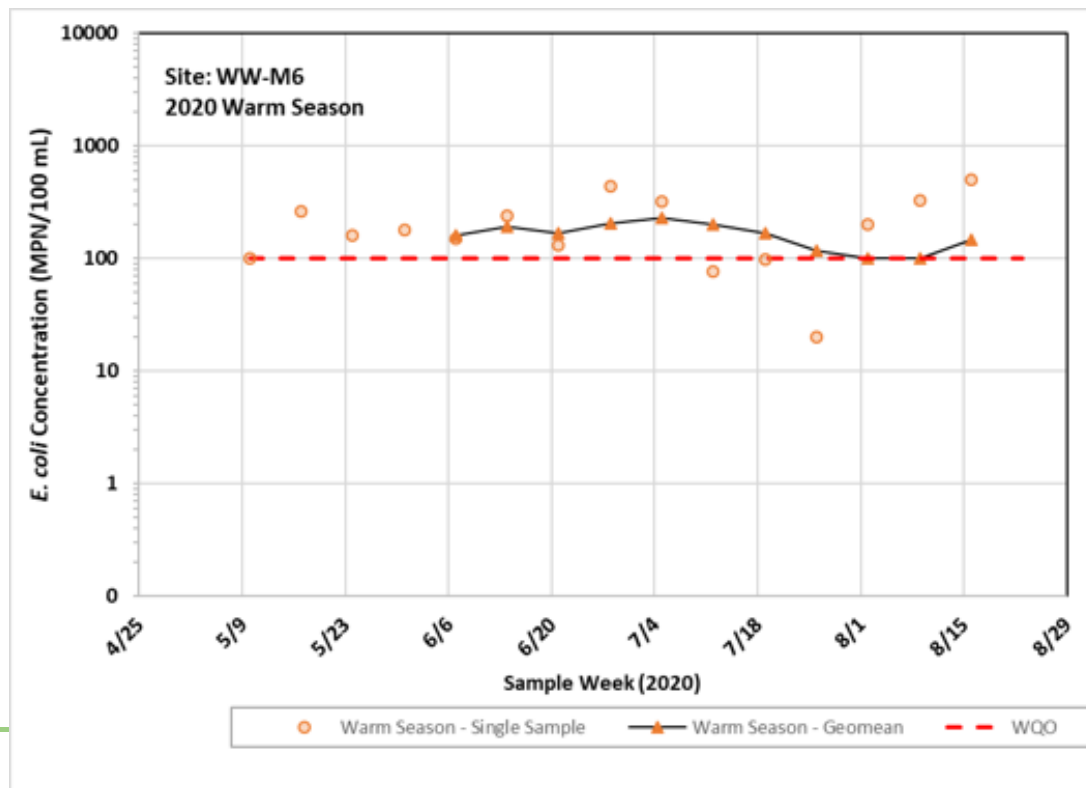
- Improved water quality at Prado Park Lake
- Expected outcome from work in prior years





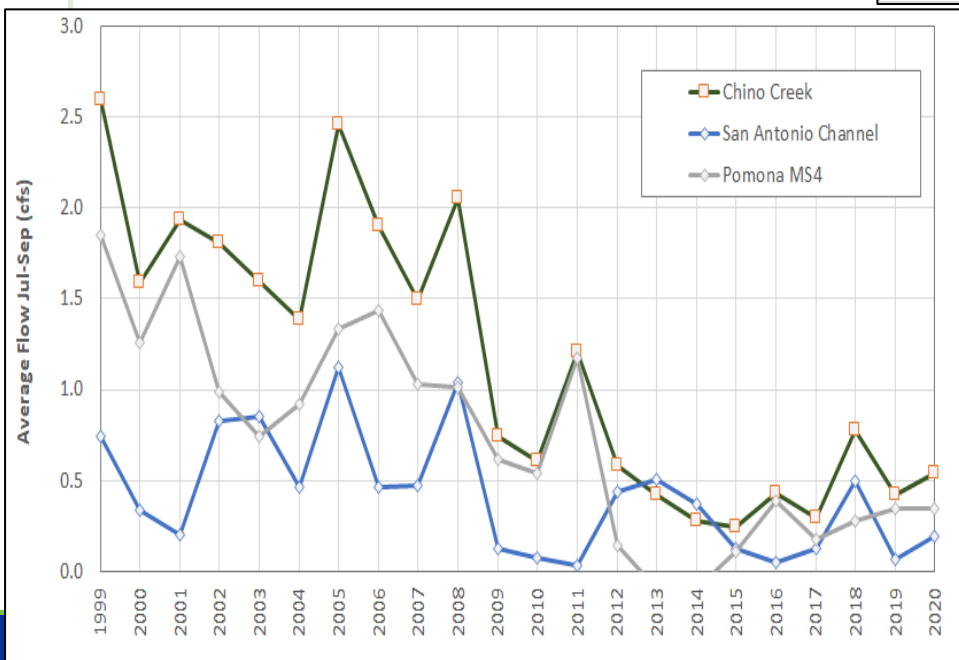
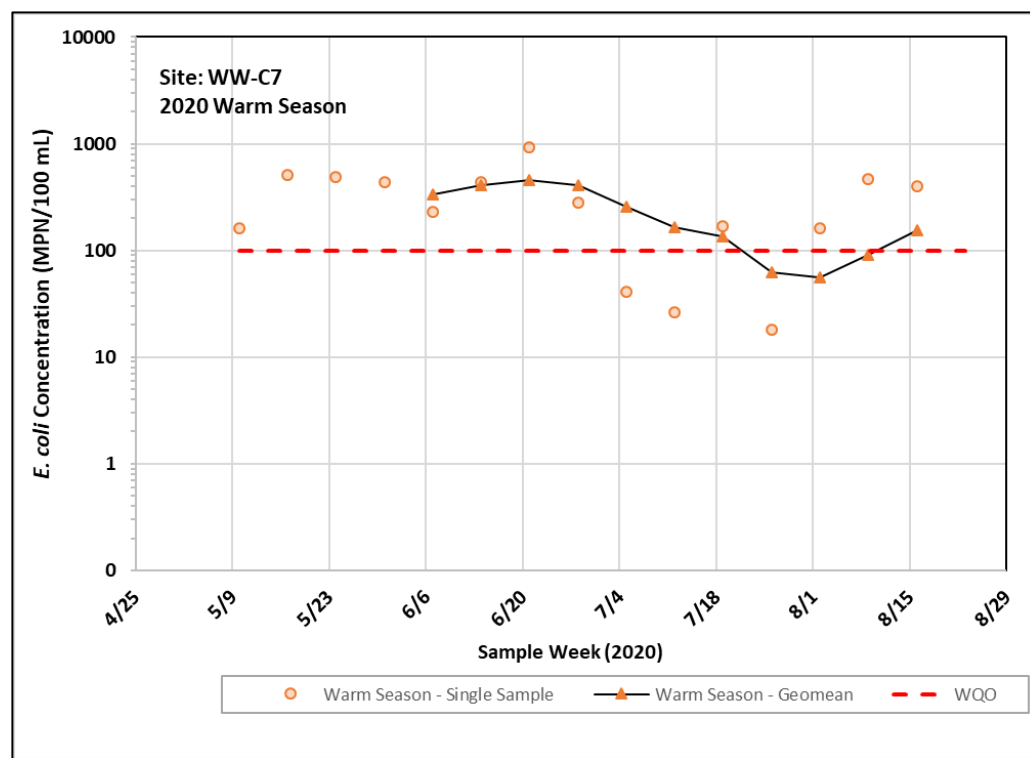
# Mill-Cucamonga Creek

- *E. coli* concentrations at compliance site WW-M6 lower in 2020 relative to prior dry seasons
- Ongoing coordination with 2020 longitudinal survey, outfall sampling, and travel time studies on Cucamonga Creek



# Chino Creek

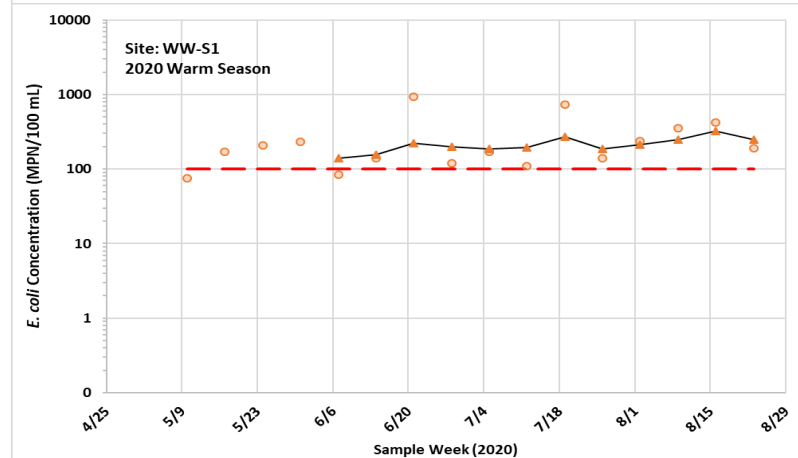
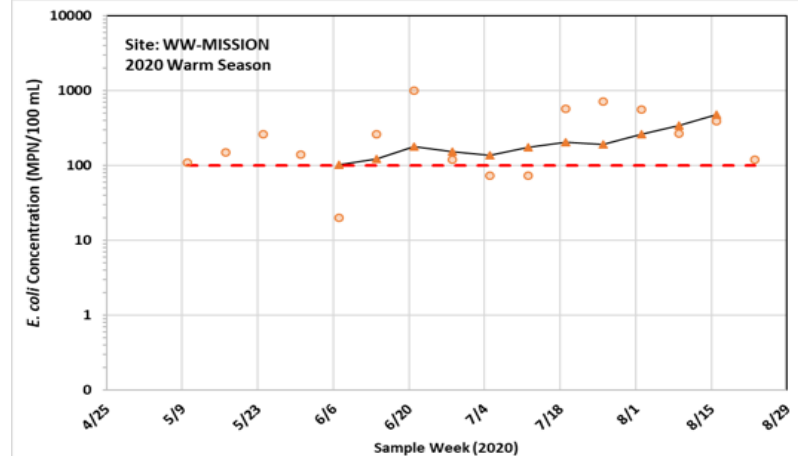
- *E. coli* concentrations in Chino Creek appear to be much improved relative to prior years



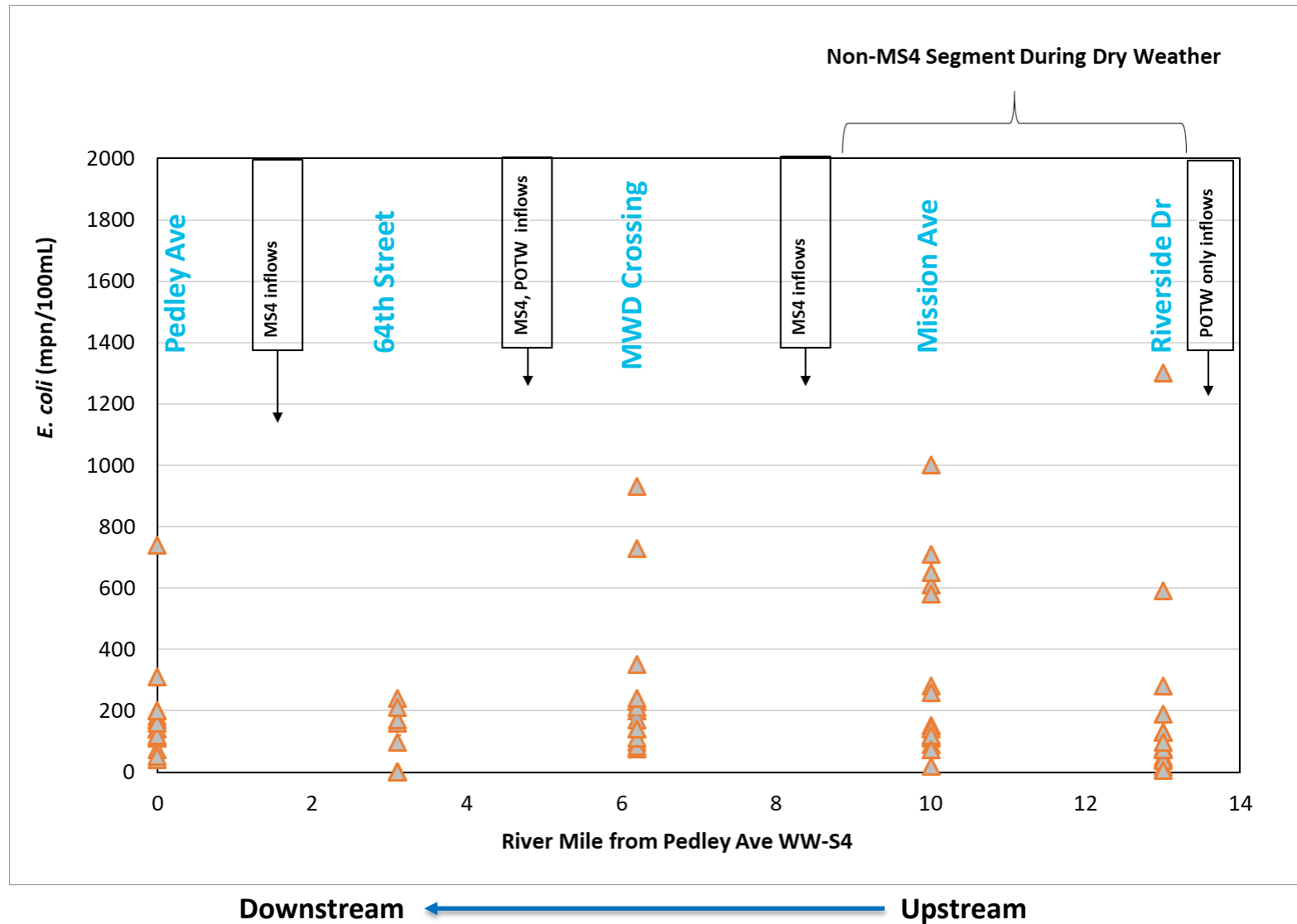
- Dry weather flow from MS4 continues to be much reduced with ongoing implementation of CBRP

# Middle Santa Ana River

- Confirmation of 2019 synoptic study conclusion involving *E. coli* load from non-MS4 segment of MSAR
- *E. coli* concentrations tend to remain constant or decline in sites downstream of Mission Avenue
- Source of fecal bacteria in the non-MS4 segment is a key challenge facing the MSAR TMDL Task Force



# Longitudinal Profile





## Priority 3

# Priority 3 Results

Week Beginning Date	P3-SBC1	P3-ST3	P3-ST5	P3-WC4	P3-RC1
5/10/2020	41				
5/17/2020	1300				
5/24/2020	110				
5/31/2020	590				
6/7/2020	39				
6/14/2020	280				
6/21/2020	130				
6/28/2020	130				
7/5/2020	50	310	200	4900	
7/12/2020	74	260	7.4	Dry	
7/19/2020	190	2900	450	Dry	
7/26/2020	ND	Dry	2	6.3	
8/2/2020	96	580	73	Dry	
8/9/2020	21				
8/16/2020	ND				
8/23/2020	29				580
8/30/2020	10				550
9/6/20	200				440

# Long-Term Planning for Priority 3 Waters

- Current list of Priority 3 Waters
- Several delisted and newly listed waters since RMP initiated in 2016
- Possible future recommendations for Priority 3 waters

Orange County	Bolsa Chica Channel
	Borrego Creek
	Serrano Creek
	Peters Canyon Wash
	Morning Canyon Creek
	San Diego Creek Reach 1
	San Diego Creek Reach 2
	Buck Gulley Creek
Riverside County	Los Trancos Creek
	Goldenstar Creek
San Bernardino County	Santa Ana River Reach 4
	Warm Creek
	San Timoteo Creek Reach 1A
	San Timoteo Creek Reach 2

**Cease monitoring, refer to RB for TMDL development**

**Waterbody addressed through downstream TMDL implementation**

**Continue regional bacteria monitoring program**

**Cease monitoring, refer to RB for delisting**



## Priority 4

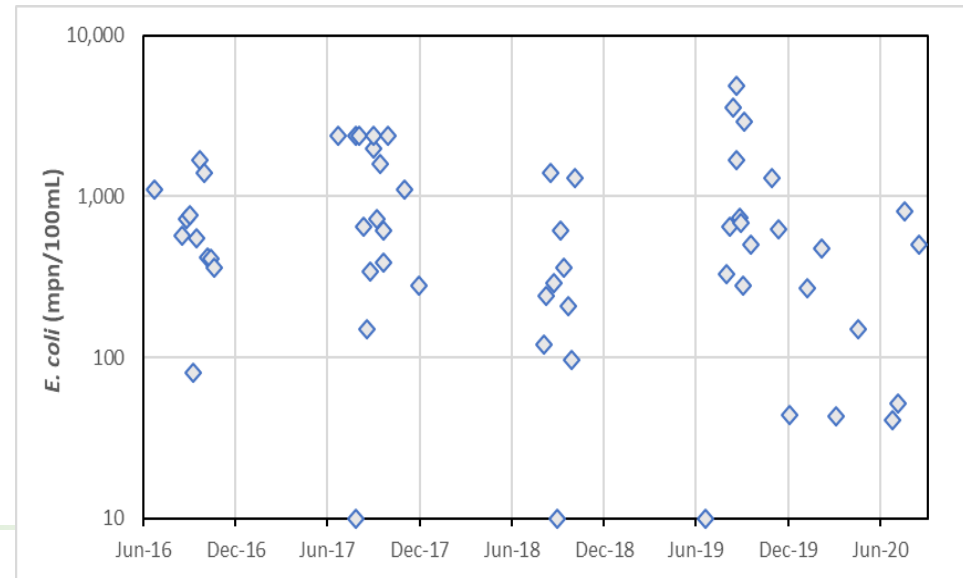


# Priority 4 Results

- Temescal Creek

Site ID	Description	Single Sample Antidegradation Target	EC Sample Result	Sample Date
P4-RC2	Temescal Creek at Lincoln Avenue	725	130	06/24/20

- Cucamonga Creek (P4-SBC1)
  - data collection to update antidegradation target for recent hydrology





## Next Steps

## Next Steps

- Warm, dry weather sampling concludes this week
- Cool, dry weather sampling begins week of October 18<sup>th</sup> and concludes week of November 22<sup>nd</sup>
- 3rd Quarter Report to be submitted October 15th
- Assessment of future actions for Priority 3 waters
- Development of new antidegradation target for Cucamonga Creek
- Coordination with ongoing MSAR TMDL special studies