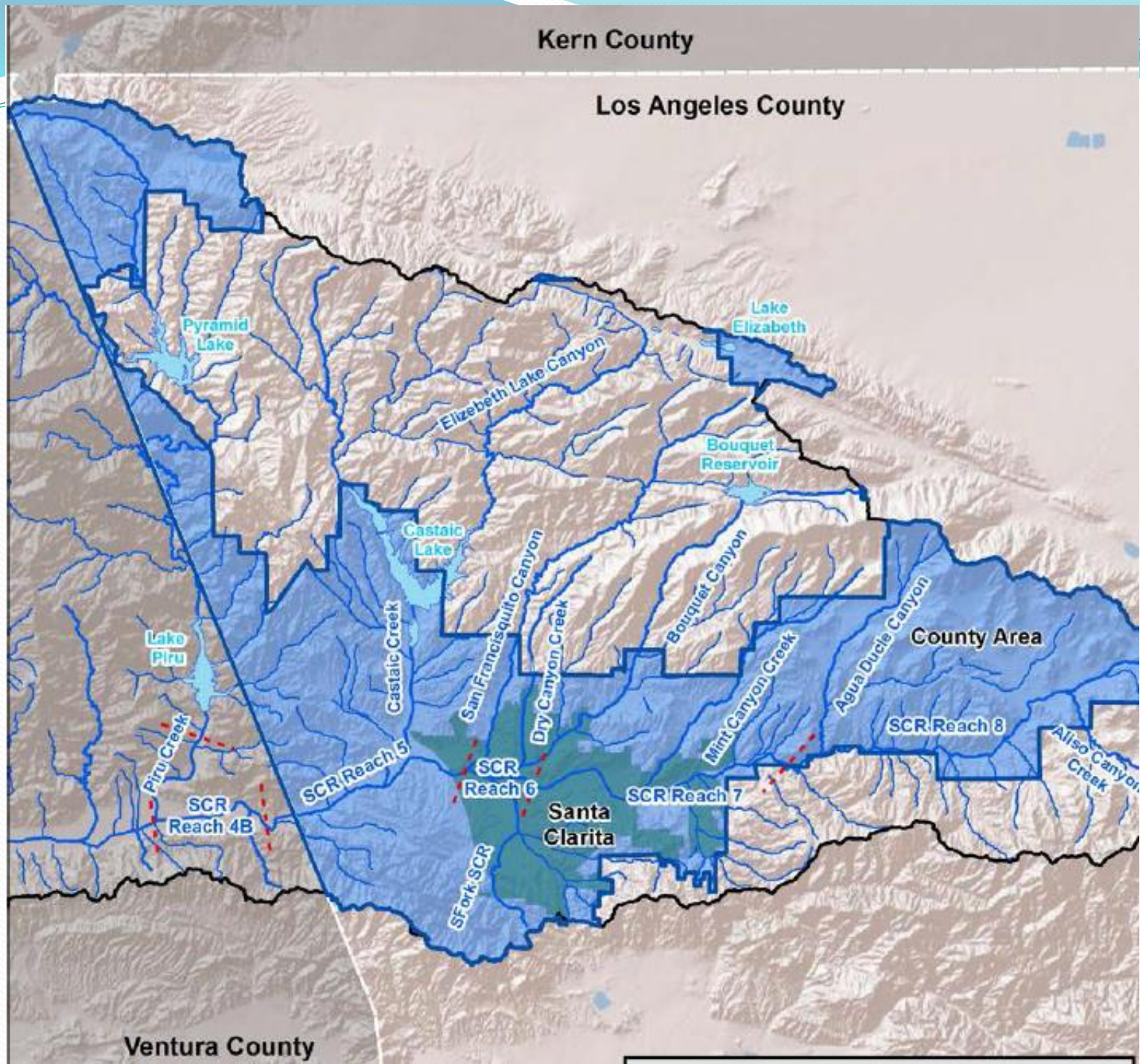
Upper Santa Clara River Watershed EWMP

Los Angeles Regional Water Quality Control Board

Revised EWMP Workshop

March 3, 2016


Kern County
Los Angeles County
Pyramid Lake
Lake Elizabeth
Elizabeth Lake Canyon
Bouquet Reservoir
Castaic Lake
Lake Piru
Castaic Creek
San Francisquito Canyon
Dry Canyon Creek
Bouquet Canyon
Mint Canyon Creek
Agua Dulce Canyon
County Area
SCR Reach 8
Aliso Canyon Creek
Piru Creek
SCR Reach 4B
SCR Reach 5
SCR Reach 6
SCR Reach 7
Santa Clarita
SFork SCR
Ventura County

Overview

- Key Revisions
  - Revisions to the draft Upper Santa Clara River EWMP to address Los Angeles Regional Water Board staff comments
    - Submitted January 4, 2016
    - Submitted a re-revised version on February 23, 2016 to address additional staff comments
- Short presentation, with the remainder of time given to the Paradigm Environmental RAA presentation on technical modeling questions

Key Revision: Add Ventura MS4 Data

- Evaluated the Ventura County MS4 data from the ROWD, and included a description in Section 4.2.2
- While outside of the EWMP area, outfall monitoring sites within the lower Santa Clara River Watershed are monitored under the Ventura County MS4 Permit
- Four major outfalls in the lower Santa Clara River Watershed have been monitored for 4 or 5 years at a frequency of 3 wet events and one dry event per year
- While the land uses in the lower Santa Clara River Watershed outfall within Ventura County are not reflective of the conditions in the Upper Santa Clara River Watershed, the Ventura County outfall data confirm that bacteria (*E. coli* and fecal coliform) and salts are present in MS4 discharges

Key Revision
Original Prioritized WBPC Table

Table 4-6. Prioritized WBPCs

Class[(1)]	Constituent	Santa Clara River Reach			
		4B	5	6	7
Priority 1: TMDLs					
Bacteria	*E. Coli* (wet and dry)	X	X	X	X
Salts	Chloride	F	F	F	F
Priority 2: Other Receiving Water Considerations					
Metals	Copper		X	X	X
	Iron		X	X	
	Mercury		X	X	X
	Zinc			X	
Selenium	Selenium			X	
Cyanide	Cyanide			X	X
Salts	TDS		X		

Key Revision

Prioritized WBPC Table Revised and Expanded

Table 4-8. Prioritized WBPCs

Class	Constituent	Santa Clara River Reach				Lake Elizabeth
		4B[1]	5	6	7	
Priority 1: TMDLs						
Bacteria	*E. Coli* (wet and dry)	X	X	X	X	
Salts	Chloride	X	X	X		
Trash	Trash					X
Priority 2: Other Receiving Water Considerations						
Metals	Copper		X[2]	X	X[4]	
	Iron		X	X		
	Mercury		X[2]	X[3]	X[4]	
	Zinc			X[3]		
Selenium	Selenium			X[3]		
Cyanide	Cyanide			X[3]	X[4]	
Salts	TDS		X[2]			

1. Reach 4B is in Ventura County but was considered for the purposes of understanding downstream water quality.
2. Copper, mercury and TDS have been observed as exceeding applicable water quality objectives in Reach 5, and are prioritized as "other receiving water considerations" per Permit Provision 5.a.iv.2.a.
3. Mercury, zinc, selenium and cyanide have been observed as exceeding applicable water quality objectives in Reach 6, and are prioritized as "other receiving water considerations" per Permit Provision 5.a.iv.2.a.
4. Copper, mercury and cyanide have been observed as exceeding applicable water quality objectives in Reach 7, and are prioritized as "other receiving water considerations" per Permit Provision 5.a.iv.2.a.

Key Revision: MCMs

Interim milestones included in MCMs

Revised PIPP table to address which pollutants will be addressed from actions

Provided more details for industrial inspections and frequency

Key Revision: Justify 2035 Milestone

- Provided justification in Section 7.3
- The dry and wet weather final TMDL compliance deadlines for the Bacteria TMDL are used (2023 and 2029 respectively) for all constituents except metals
- A final deadline of 2035 is included for any additional control measures needed to address metals after the controls to address bacteria and other constituents are implemented and was determined to be as soon as possible :
  - Additional monitoring data will be needed to determine if metals are still exceeding water quality objectives as the model predicts, and if additional BMPs are necessary (approximately 2-3 years)
  - Time is needed to secure funding, complete the planning process, and construct additional BMPs (approximately 4-5 years)
- The final date was determined to be as soon as possible given the time needed to confirm additional structural control measures are needed and design and construct those additional facilities

Upper Santa Clara River Watershed

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