



Advisory Water Commission May 20, 2020

Agenda

- **Smith Canal Gate Project (Chris Elias)**
- **Sustainable Groundwater Management Act (SGMA)**
 - Eastern San Joaquin Subbasin (Matt Zidar)
 - Tracy Subbasin (Mike Callahan)
- **IRWM CC and Update (Glenn Prasad)**
- **Federal Covid Relief Infrastructure (Matt Zidar)**
- **Storm Water Management Plan (Jessica Jones)**
- **Delta (All)**





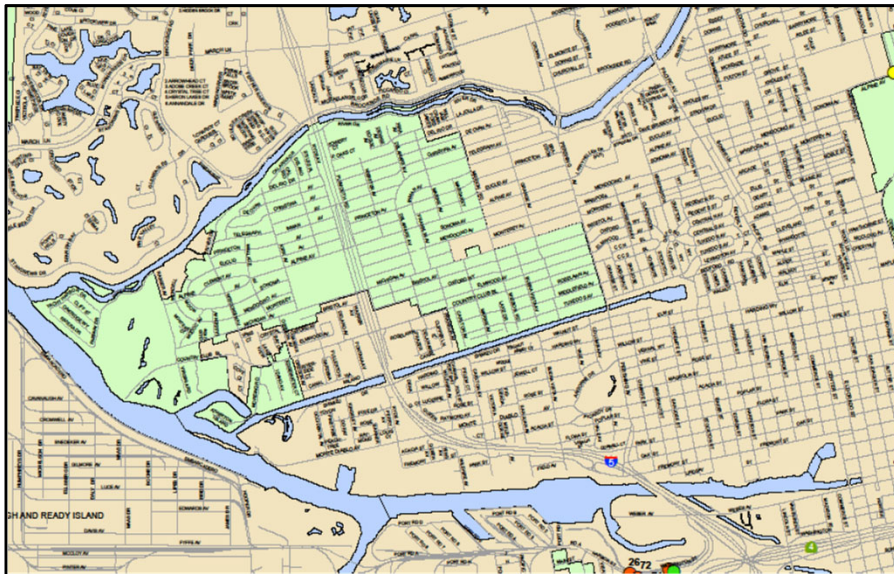
SMITH CANAL GATE PROJECT

AN UPDATE

MAY 20, 2020

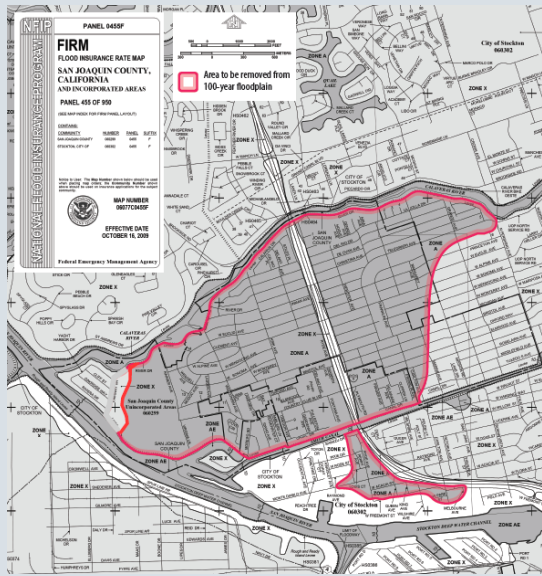
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Project Vicinity Map



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FEMA Special Flood Hazard Area

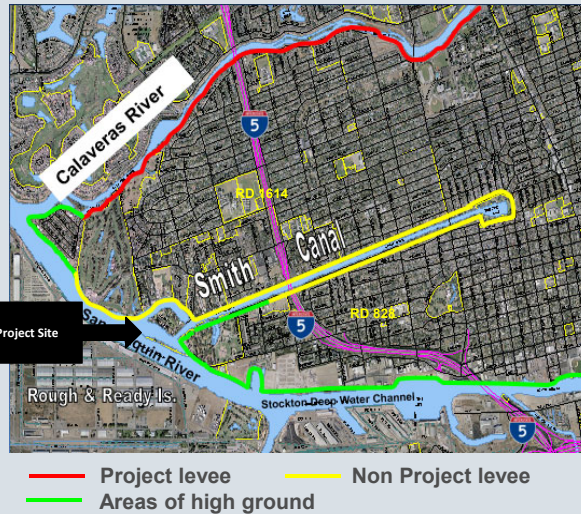


- 5,000 parcels “mapped” in 2009
- Additional 3,000 parcels to be mapped
- Requires mandatory flood insurance
- Building restrictions
- Elevation for new/replacement construction and significant repairs/remodels

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Project Background

- Built by the State in mid 1800’s for sanitary and drainage purposes
- Navigable and Tidally influenced
- Conveys urban runoff
- Leveed to prevent flooding from the Delta
- Levees heavily encroached
- Cost – approx. \$68M



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Smith Canal Encroachments



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PROJECT FEATURES



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Bids Received and Award

Bids Opened April 16

Bid Awarded April 30

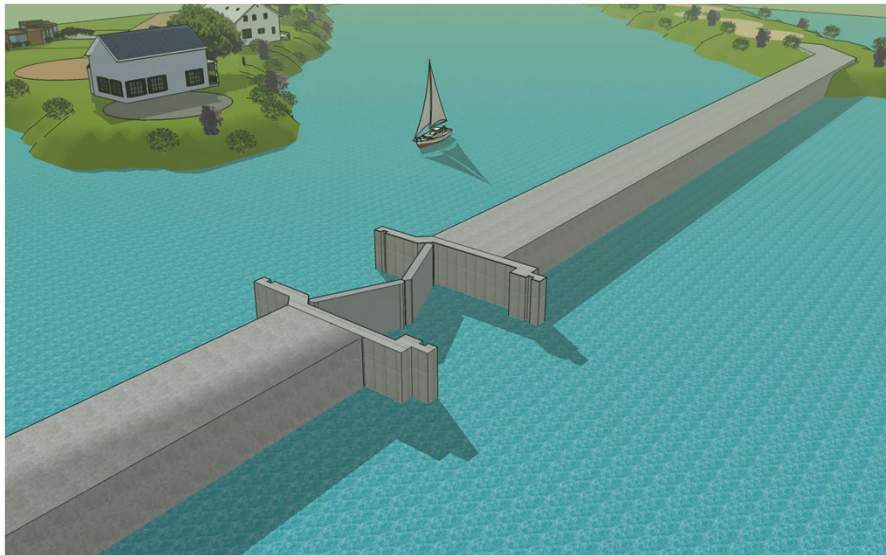
Shimmick Construction Company - \$49,487,976

California Engineering Contractors - \$57,743,864

Dutra Group - \$60,240,669

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Gate Operation Animation



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Table1 DRAFT 2020-2021 Budget

5/8/2020

Expense

	Staff	Prof Service	Other	Total
Monitoring and Reporting - In Kind	\$ 212,500	\$ -	\$ -	\$ 212,500
Program Management/Technical Support	\$ 198,500	\$ 400,000	\$ 10,000	\$ 608,500
Reserve Cost	\$ -	\$ 200,000	\$ -	\$ 200,000
Total	\$ 411,000	\$ 600,000	\$ 10,000	\$ 1,021,000

Funding Sources

Revenue Items	Amount
1 Zone 2 Contribution	\$ 225,000
2 Proposition 68 Round 3 Grant	\$ 325,000
3 a. FY 19/20 GSA Member Contribution Carryover	\$ 150,000
b. FY 20/21 GSA Member Contribution	\$ 258,000
4 GSA In-Kind Monitoring	\$ 63,000
Total	\$ 1,021,000

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SGMA: East San Joaquin GWS

- Budget and Cost allocation via Ad Hoc Budget Committee, Steering Committee
- June 10 GWA Board consider adoption



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Table 2 Budget Summary and GSAs Cost

Expense		
A. Monitoring, Reporting and Data Management (zone 2)	\$	212,500
B. Program Management/Tech Support	\$	608,500
C. Reserve	\$	200,000
		<u>\$ 1,021,000</u>
Other Funding Sources		
Zone 2 Contribution	\$	(225,000)
GSA Inkind	\$	(63,000)
Proposition 68 Round 3 Grant	\$	(325,000)
GSA Cost Allocation 2019-20 Carry Over	\$	(110,000)
		<u>\$ (298,000)</u>
2020-21 GSA Member Contribution Needed	\$	(1,021,000)
Carry Over		
Six month budget billed to GSAs (R-20-2)	\$	270,000
Expense Assumptions (WC contract)	\$	160,000
		<u>\$ 110,000</u>

Table 3 Pumping and Population Class, 60/40, Eastside Adj Cost Allocation

GSA	Pumping	Population	EastSide GSA Non-Zone 2 Adjustment	Subtotal	Adjusted for Minimum	%
CDWA	\$ 3,000	\$ 2,000	\$ (1,000)	\$ 4,000	\$ 8,500	2.8%
CSJWCD	\$ 25,000	\$ 3,500	\$ (1,000)	\$ 27,500	\$ 27,500	9.2%
Eastside SJ GSA	\$ 17,500	\$ 3,500	\$ 15,000	\$ 36,000	\$ 36,000	12.0%
LCSD	\$ 3,000	\$ 2,000	\$ (1,000)	\$ 4,000	\$ 8,500	2.8%
LCWD	\$ 3,000	\$ 2,000	\$ (1,000)	\$ 4,000	\$ 8,500	2.8%
Lodi	\$ 5,000	\$ 13,000	\$ (1,000)	\$ 17,000	\$ 17,000	5.7%
Manteca	\$ 5,000	\$ 13,000	\$ (1,000)	\$ 17,000	\$ 17,000	5.7%
NSJWCD	\$ 25,000	\$ 7,000	\$ (1,000)	\$ 31,000	\$ 31,000	10.3%
OID	\$ 10,000	\$ 2,000	\$ (1,000)	\$ 11,000	\$ 11,000	3.7%
SDWA	\$ 3,000	\$ 3,500	\$ (1,000)	\$ 5,500	\$ 8,500	2.8%
SEWD	\$ 25,000	\$ 13,000	\$ (1,000)	\$ 37,000	\$ 37,000	12.3%
SJC #1	\$ 17,500	\$ 7,000	\$ (1,000)	\$ 23,500	\$ 23,500	7.8%
SJC #2	\$ 3,000	\$ 7,000	\$ (1,000)	\$ 9,000	\$ 9,000	3.0%
SSJ GSA	\$ 10,000	\$ 7,000	\$ (1,000)	\$ 16,000	\$ 16,000	5.3%
Stockton	\$ 5,000	\$ 25,000	\$ (1,000)	\$ 29,000	\$ 29,000	9.7%
WID GSA	\$ 10,000	\$ 3,500	\$ (1,000)	\$ 12,500	\$ 12,500	4.2%
Subtotal	\$ 170,000	\$ 114,000		\$ 284,000	\$ 300,500	

ESJ GWA Ad Hoc TAC May 27

- IWFM Model Workshop
- GrowMass Pilot with SEWD
- FloodMAR
- Groundwater Recharge Assessment Tool

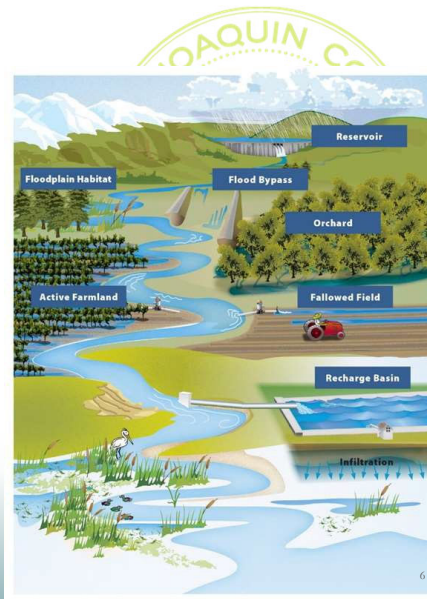


Flood-MAR

An integrated strategy to manage water resources for sustainability & climate resiliency ...

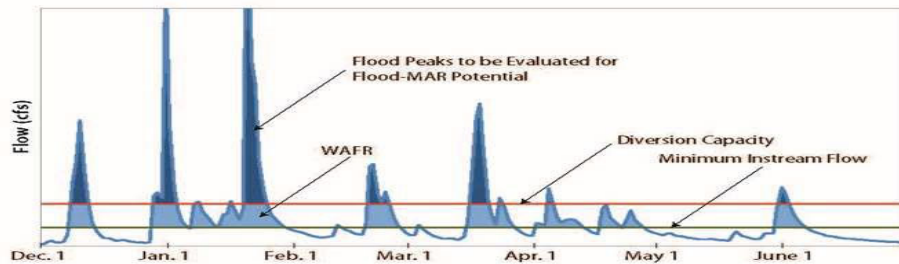
... using high flows from (or in anticipation of) rainfall or snowmelt for managed aquifer recharge ...

... on agricultural lands, working landscapes, and natural managed lands



State Recommends Flood-MAR

- 2017 CV Flood Protection Plan Update (Aug. 2017)
- System Reoperation Study Phase 3 Report (Aug. 2017)
- State Board of Food & Agriculture letter (May 2018)
- Final CA Water Plan Update 2018 (July 2019)



USBR WaterSMART Drought Response Program Grant

- Sponsor: USBR
- Total Funding Amount: \$2.9 million. \$300K to \$750K per project
- Cost Share 50%
- Due: July 08, 2020



WaterSMART Drought Response Program Objectives



- Build long-term resilience, generally in the final design stage
- Improve forecasts of water availability and improve use of technology to increase water reliability
- Supported by an existing drought planning effort, develop or update drought contingency plan
- Decrease vulnerabilities and increase water managers flexibility

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WaterSMART Drought Response Program Projects



- A Projects: Increasing the Reliability of Water Supplies through Infrastructure Improvements
- B Project: Improve Water Management through Decision Support Tools, Modeling, and Measurement
- C Projects: Provide Protection for Fish, Wildlife, and the Environment

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2020 Sustainable Groundwater Management Watershed Coordinator Grant Program

- Sponsor: Department of Conservation
- Funding: Total of \$1.5M available. \$200K per project
- Source Prop 50
- Hire 1 Full Time Equivalent staff for two years or use consultants
- Due: July 30, 2020. Awards announced September 15, 2020



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2020 Sustainable Groundwater Management Watershed Coordinator Grant Program Purpose

- To support implementation of GSPs
- Work with local GSAs, landowners, and local governments to identify and implement projects and help develop landowner driven solutions to increase groundwater sustainability
- Facilitate watershed-scale collaborations, promote integrated watershed management efforts, and support local implementation activities
- Collaboration between diverse entities at the regional scale



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P68 Component 3: Financing Plan

Budget: \$50,000

- Task 1: Project Management and Communications
- Task 2: Stakeholder Outreach and Communications
- Task 3: Refined Cost Analysis and Revenue Requirement Calculation
- Task 4: Financing Analysis
- Task 5: Financing Plan



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Stormwater Management Plan Development Presentation Advisory Water Commission May 20, 2020

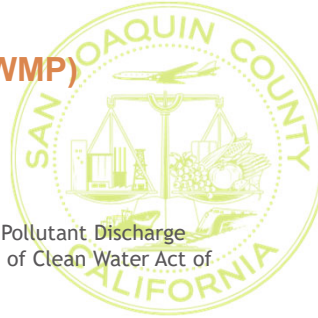
Presented by
Jessica Jones

SJ County Public Works Storm Water Program Manager



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Stormwater Management Plan (SWMP)



Background

Regulated pursuant to the Region-Wide National Pollutant Discharge Elimination System Permit (NPDES), direct result of Clean Water Act of 1972

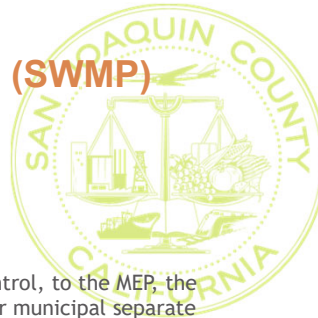
Purpose

- a) Reduce the degradation of waters of the State and waters of the U.S. by urban runoff and protect their beneficial uses
- b) Develop and implement an effective SWMP that is well-understood and broadly supported by regional stakeholders

Jurisdictional Areas Covered

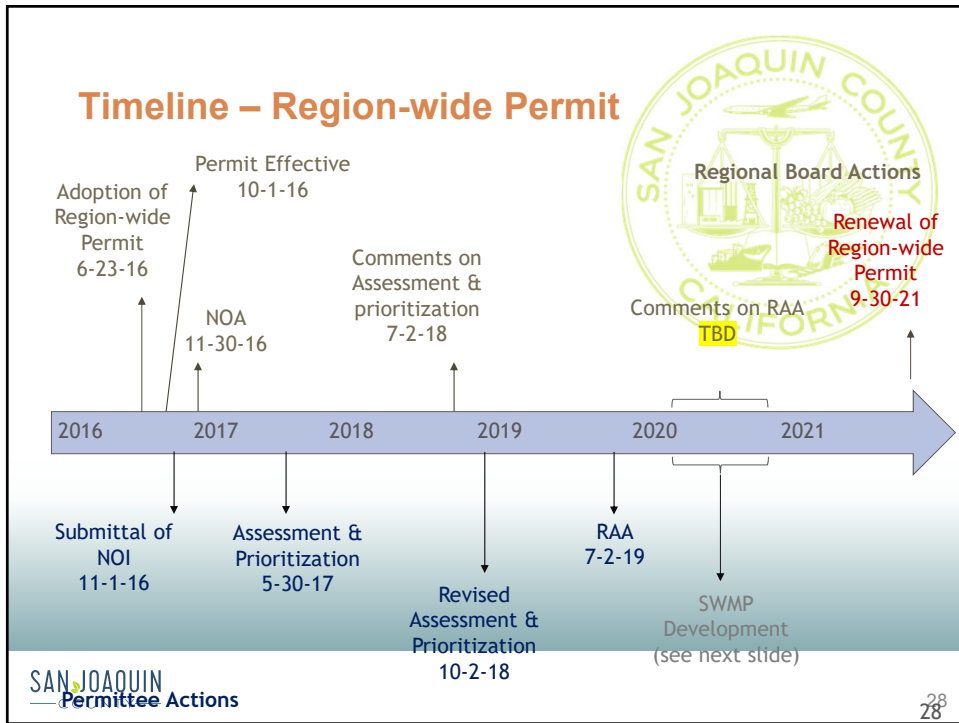
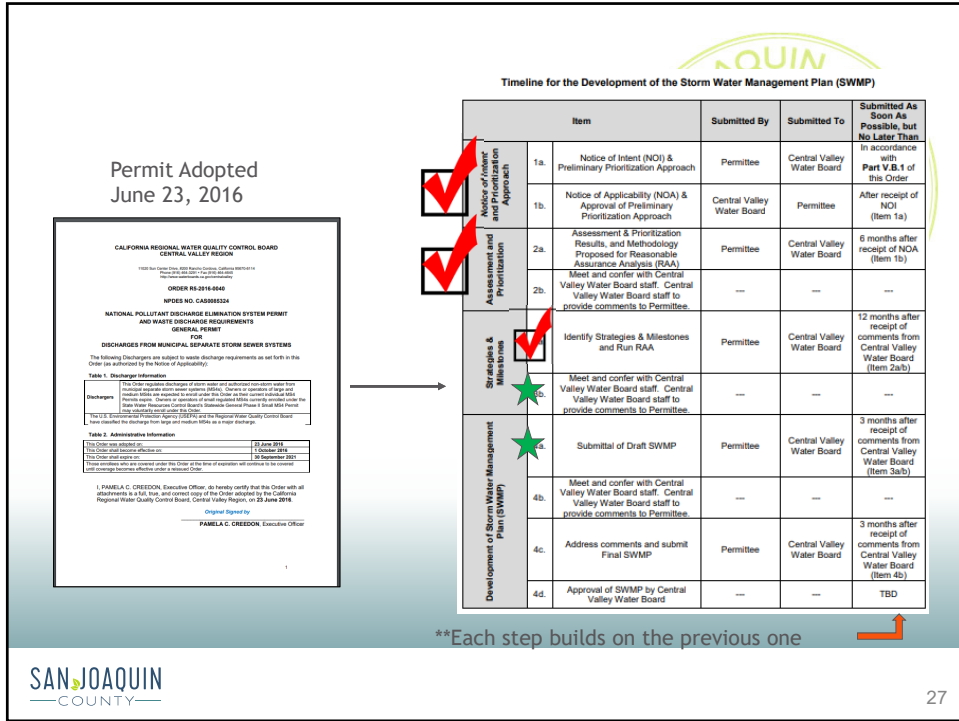
1. City of Stockton
2. Phase I urbanized areas of San Joaquin County

Stormwater Management Plan (SWMP)

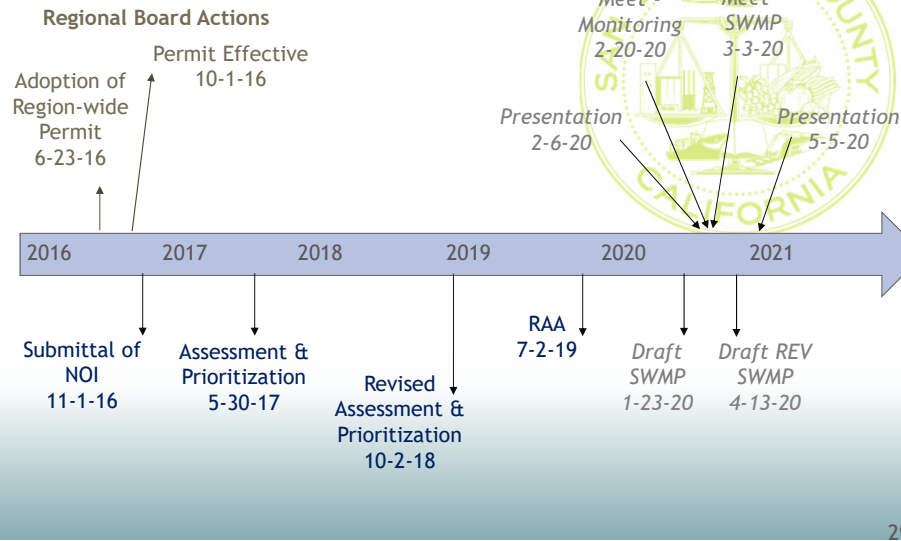


Core Objectives

1. Comply with federal regulations to eliminate or control, to the MEP, the discharge of pollutants from urban runoff that enter municipal separate storm sewer systems (MS4's)
2. Identify and control Priority Water Quality Constituents of Concern (PWQC's)
3. Achieve compliance with water quality standards
4. Develop a cost-effective program or develop alternative solutions where pollution prevention is not a practical solution



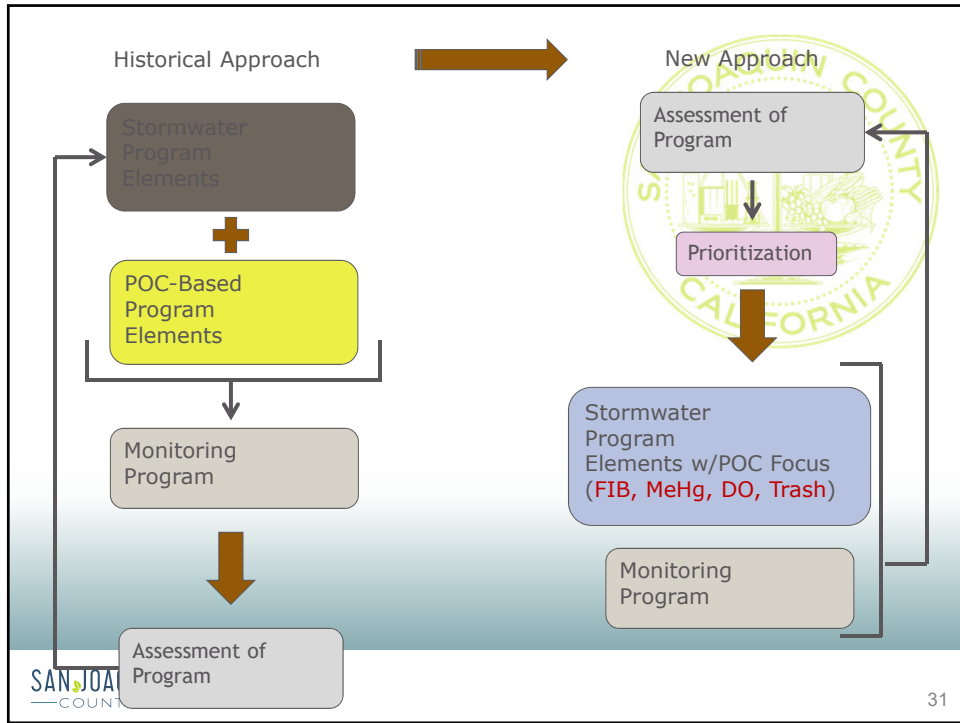
Timeline – Development of SWMP



Principles for SWMP Development

- **Builds on (as applicable)**
 - 2009 SWMP
 - 2012 Report of Waste Discharge (ROWD)
- **Complies with Region-wide Permit**
 - Provisions V.E and Attachment J
 - Incorporates Assessment and Prioritization
 - Focus is on the identified **Priority Water Quality Constituents**
 - Incorporates Reasonable Assurance Analysis
 - Identification of **milestones** and **attainment timelines**





Other Key Components

- Stormwater Quality Control Criteria Plan (SWQCCP)
- Quality Assurance Project Plan (QAPP)
- Pyrethroid Mgmt Plan (Whew! no acronym here)



SAN JOAQUIN COUNTY CALIFORNIA

SAN JOAQUIN COUNTY

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