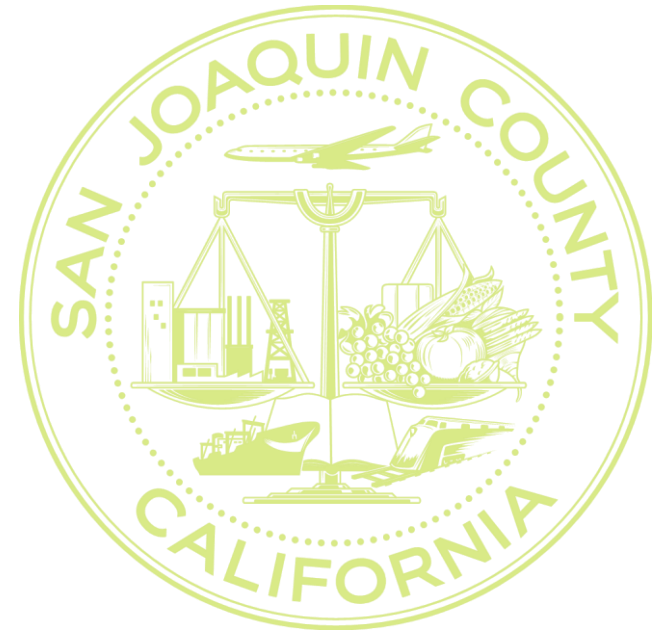




Greatness grows here.



Stormwater Management Plan (SWMP) Development Update

Advisory Water Commission

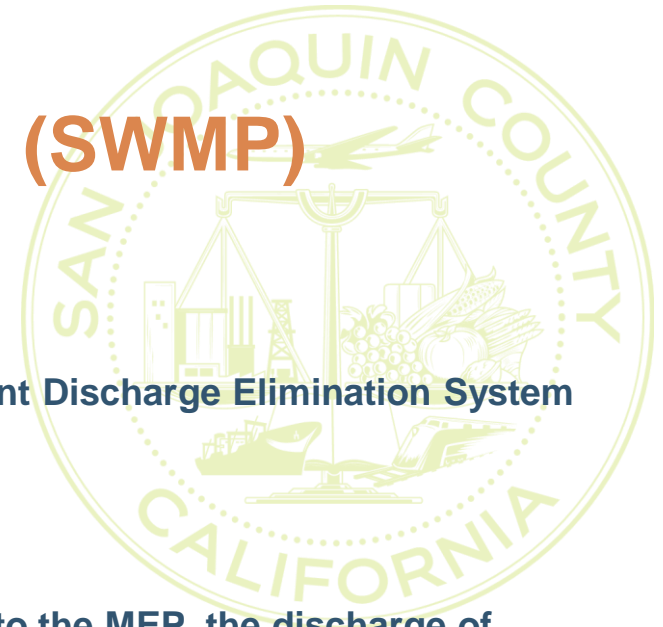
May 20, 2020

Presented by:

Jessica Jones

SJ County Public Works Storm Water Program Manager

Stormwater Management Plan (SWMP)



Background

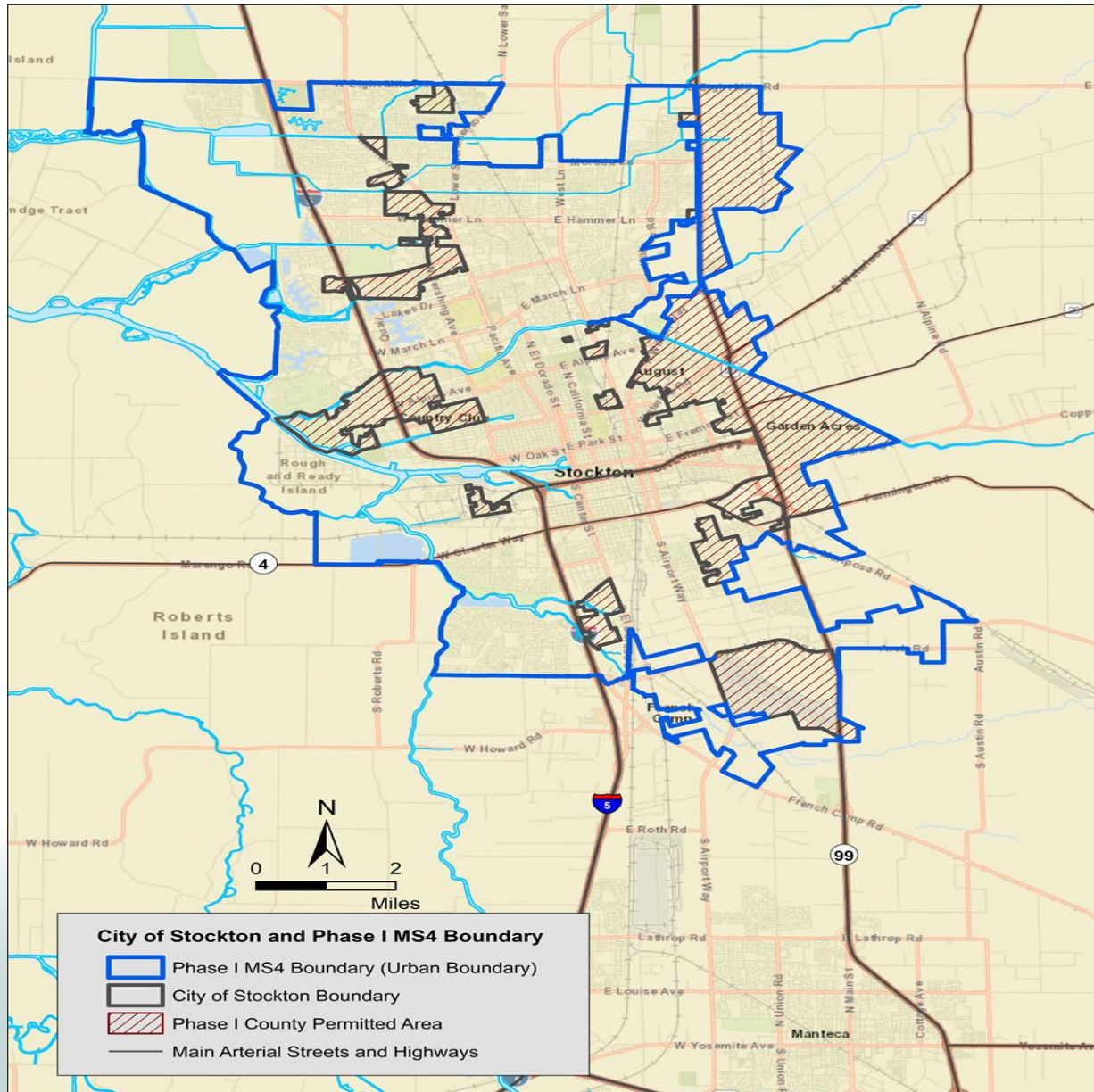
Regulated pursuant to the Region-Wide National Pollutant Discharge Elimination System Permit (NPDES), direct result of Clean Water Act of 1972

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

Jurisdictional Areas (Co-Permittee's)

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



Timeline for the Development of the Storm Water Management Plan (SWMP)

Permit Adopted
June 23, 2016

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION**

11200 Sun Center Drive, #200 Rancho Cordova, California 95670-6114
Phone (916) 464-3201 • Fax (916) 464-4650
http://www.waterboards.ca.gov/centralvalley

ORDER RS-2016-0040
NPDES NO. CAS0085324

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
AND WASTE DISCHARGE REQUIREMENTS
GENERAL PERMIT
FOR
DISCHARGES FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS**

The following Dischargers are subject to waste discharge requirements as set forth in this Order (as authorized by the Notice of Applicability):

Table 1. Discharger Information

Dischargers	This Order regulates discharges of storm water and authorized non-storm water from municipal separate storm sewer systems (MS4s). Owners or operators of large and medium MS4s are expected to enroll under this Order as their current individual MS4 Permits expire. Owners or operators of small regulated MS4s currently enrolled under the State Water Resources Control Board's Statewide General Phase II Small MS4 Permit may voluntarily enroll under this Order.
The U.S. Environmental Protection Agency (USEPA) and the Regional Water Quality Control Board have classified the discharge from large and medium MS4s as a major discharge.	

Table 2. Administrative Information

This Order was adopted on:	23 June 2016
This Order shall become effective on:	1 October 2016
This Order shall expire on:	30 September 2021

Those enrollees who are covered under this Order at the time of expiration will continue to be covered until coverage becomes effective under a reissued Order.

I, PAMELA C. CREEDON, Executive Officer, do hereby certify that this Order with all attachments is a full, true, and correct copy of the Order adopted by the California Regional Water Quality Control Board, Central Valley Region, on **23 June 2016**.

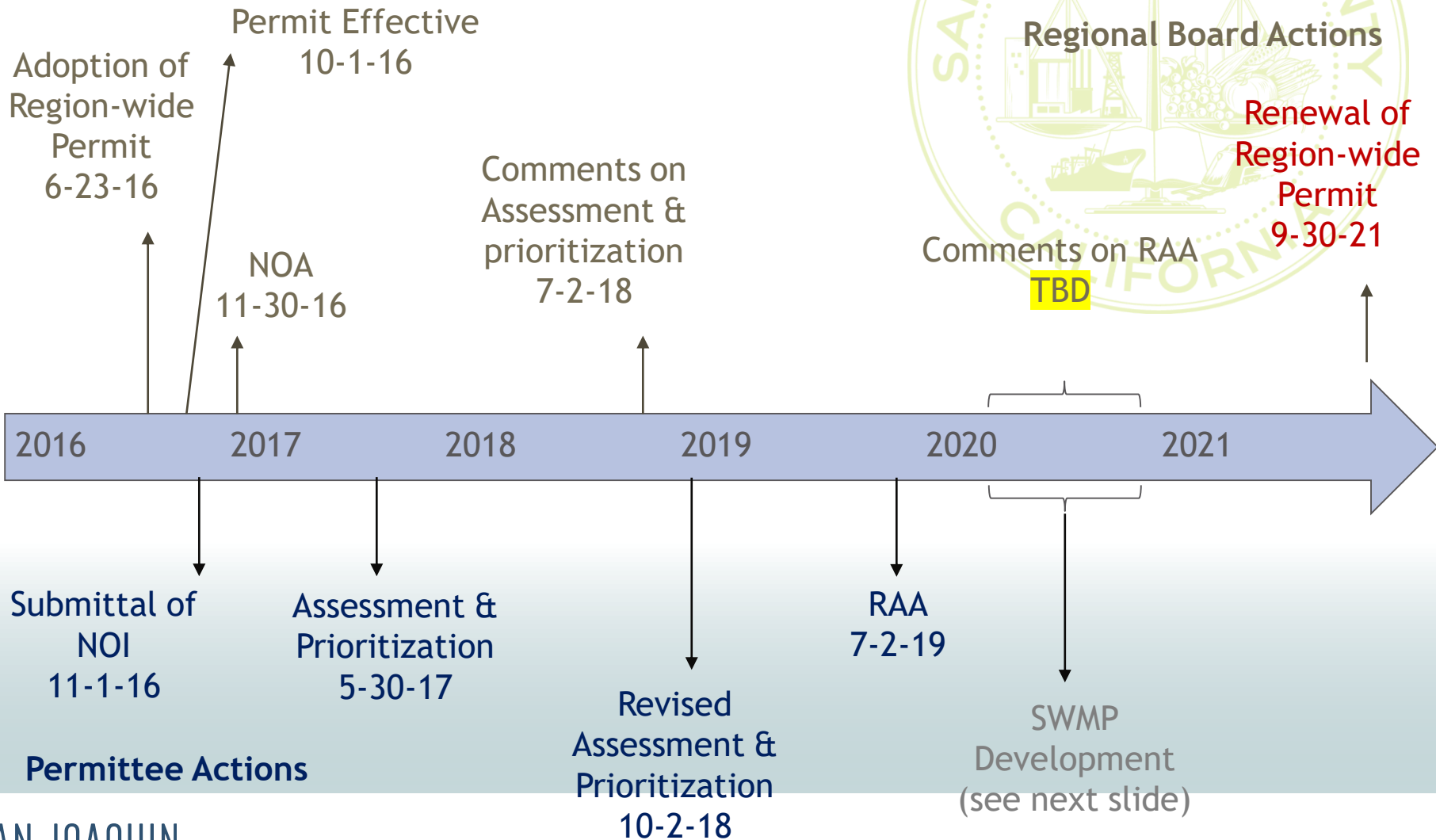
Original Signed by
PAMELA C. CREEDON, Executive Officer

1

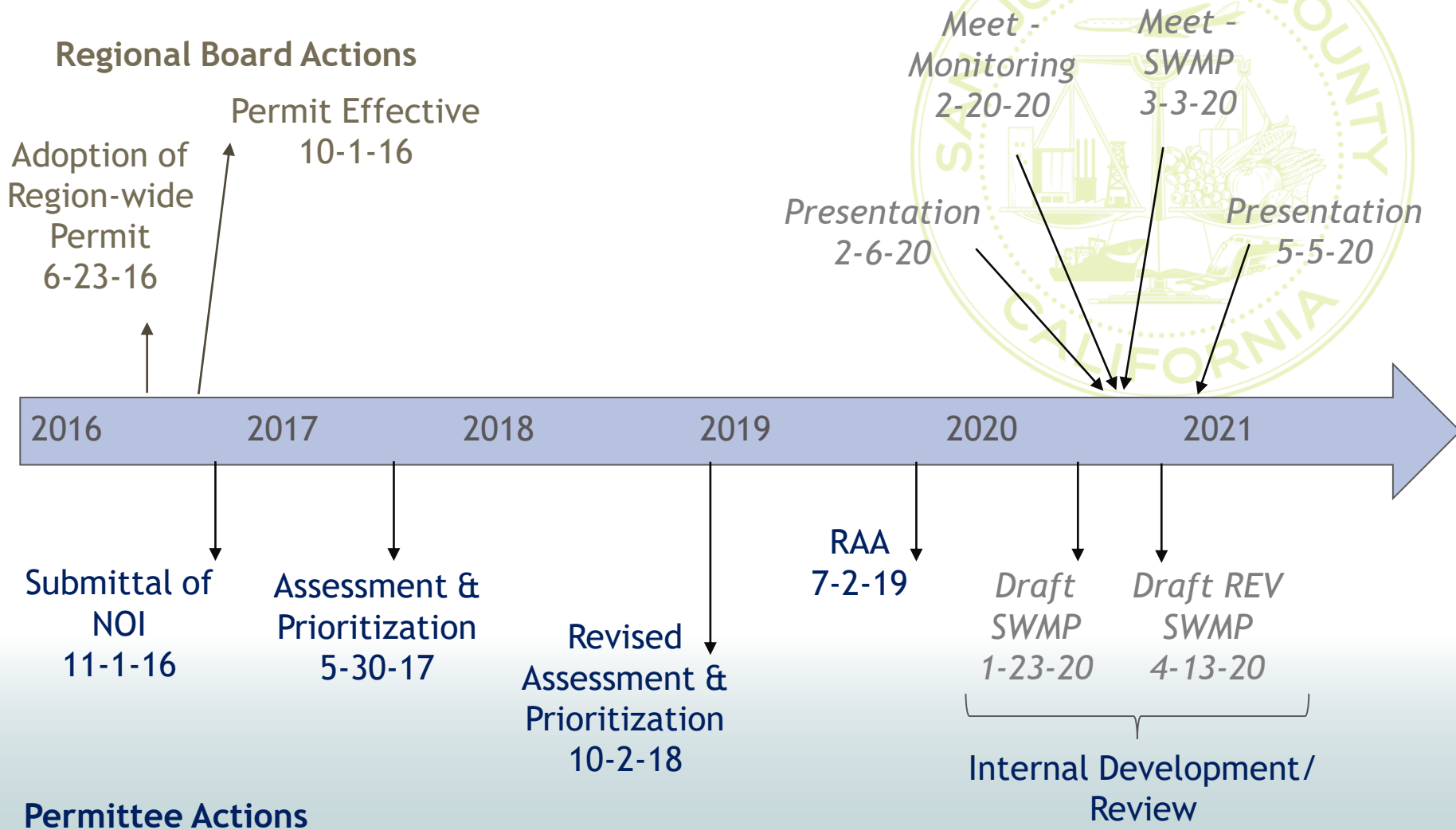
		Item	Submitted By	Submitted To	Submitted As Soon As Possible, but No Later Than
Notice of Intent and Prioritization Approach	1a.	Notice of Intent (NOI) & Preliminary Prioritization Approach	Permittee	Central Valley Water Board	In accordance with Part V.B.1 of this Order
	1b.	Notice of Applicability (NOA) & Approval of Preliminary Prioritization Approach	Central Valley Water Board	Permittee	After receipt of NOI (Item 1a)
Assessment and Prioritization	2a.	Assessment & Prioritization Results, and Methodology Proposed for Reasonable Assurance Analysis (RAA)	Permittee	Central Valley Water Board	6 months after receipt of NOA (Item 1b)
	2b.	Meet and confer with Central Valley Water Board staff. Central Valley Water Board staff to provide comments to Permittee.	---	---	---
Strategies & Milestones	3a.	Identify Strategies & Milestones and Run RAA	Permittee	Central Valley Water Board	12 months after receipt of comments from Central Valley Water Board (Item 2a/b)
	3b.	Meet and confer with Central Valley Water Board staff. Central Valley Water Board staff to provide comments to Permittee.	---	---	---
Development of Storm Water Management Plan (SWMP)	4a.	Submission of Draft SWMP	Permittee	Central Valley Water Board	3 months after receipt of comments from Central Valley Water Board (Item 3a/b)
	4b.	Meet and confer with Central Valley Water Board staff. Central Valley Water Board staff to provide comments to Permittee.	---	---	---
	4c.	Address comments and submit Final SWMP	Permittee	Central Valley Water Board	3 months after receipt of comments from Central Valley Water Board (Item 4b)
	4d.	Approval of SWMP by Central Valley Water Board	---	---	TBD

**Each step builds on the previous one

Timeline – Region-wide Permit



Timeline – Development of SWMP



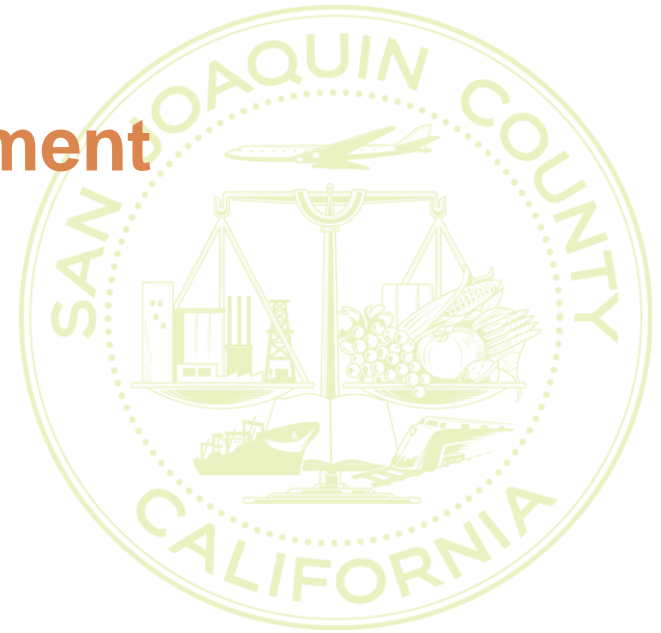
Principles for SWMP Development

Builds on (as applicable)

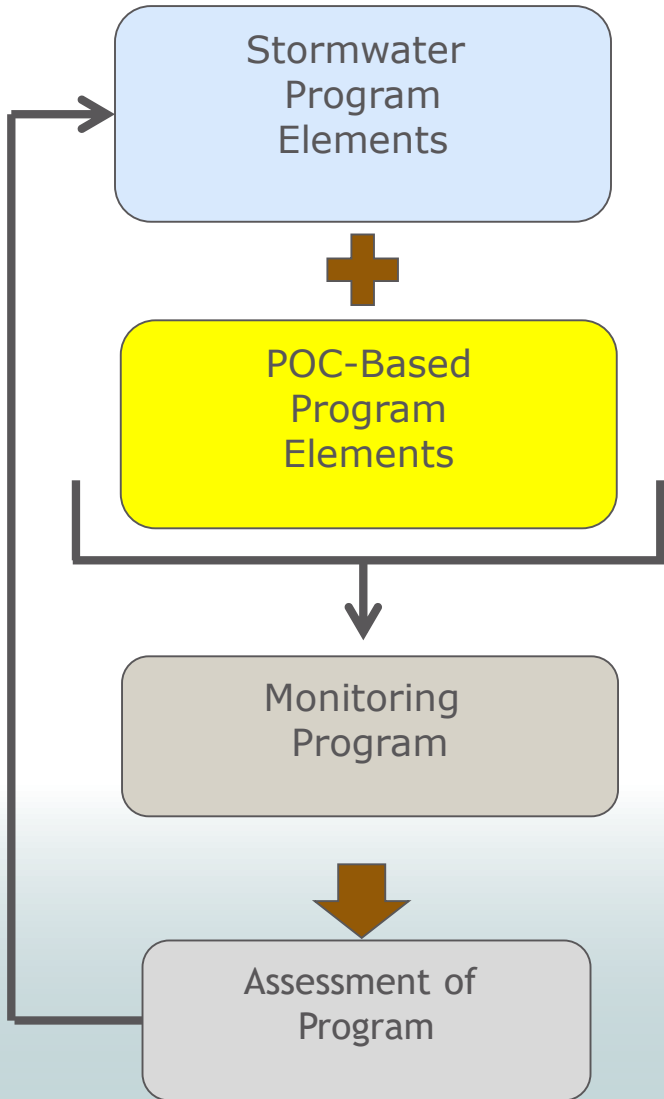
- 2009 SWMP
- 2012 Report of Waste Discharge (ROWD)

Complies with Region-wide Permit

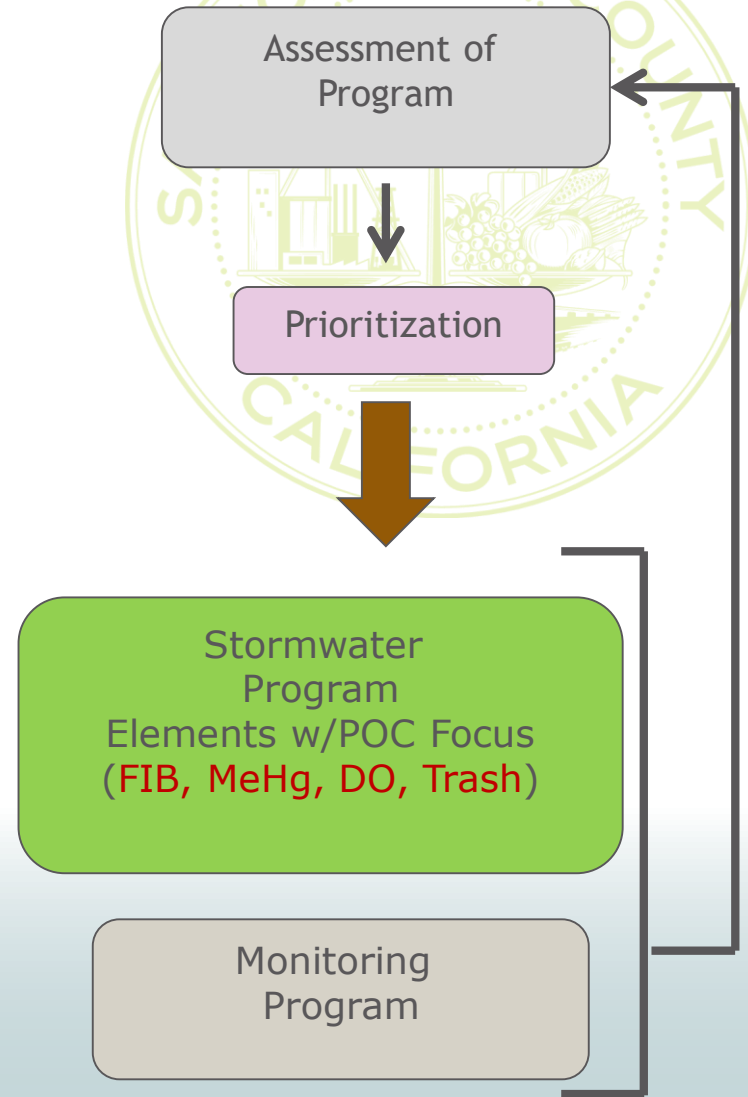
- Provisions V.E and Attachment J
- Incorporates Assessment and Prioritization
 - Focus is on the identified **Priority Water Quality Constituents**
- Incorporates Reasonable Assurance Analysis
 - Identification of **milestones** and **attainment timelines**



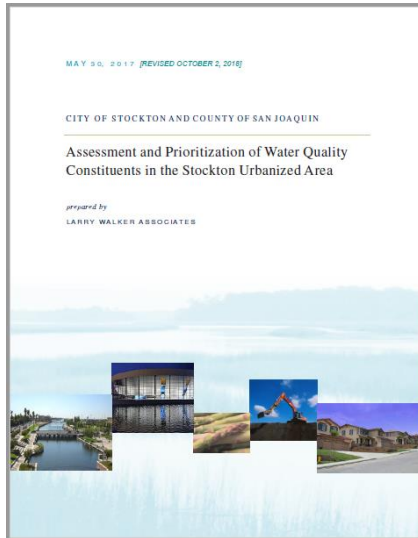
Historical Approach



New Approach



SWMP Focuses on Priority Water Quality Constituents



Category	Prioritization Driver	WQC	Temporal Condition		Waterbody/Location
			Dry	Wet	
Category 1. PWQCs		E. Coli, Fecal Coliform	X	X	Five-Mile Slough, Lower Calaveras River, Mormon Slough, Mosher Slough, Smith Canal, Walker Slough
	Adopted TMDL	Dissolved Oxygen	X	X	Lower San Joaquin River (Stockton Deep Water Ship Channel)
		Methylmercury	X	X	Delta Waterways ¹
	Water Quality Target or Attainment Schedule	Trash	X	X	Priority or other land uses ² in the SUA



PWQCs (Category 1) are Focus of SWMP

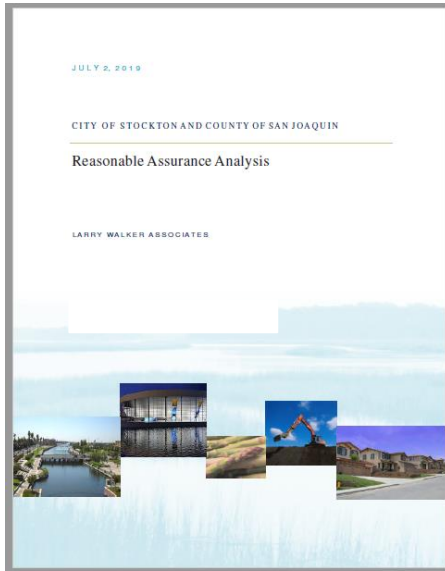
Also have:

Category 2 – Address with Monitoring/Special Studies

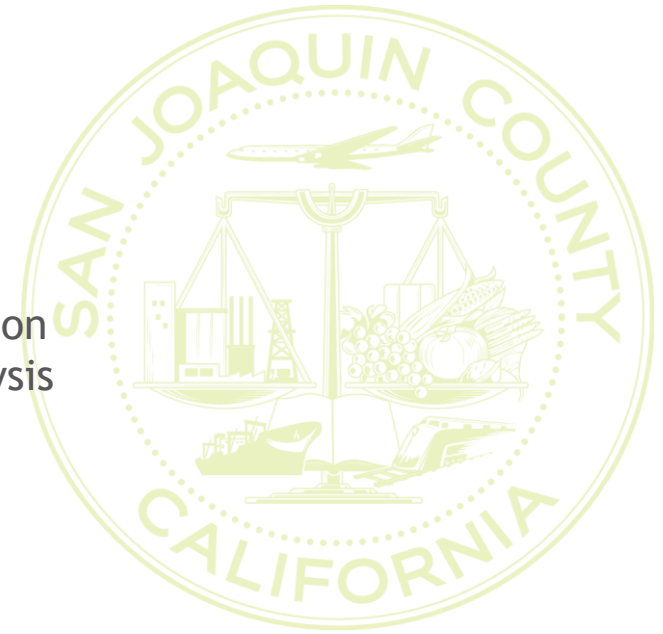
Category 3 – Lower Priority

Assessment and Prioritization

A. Draft SWMP



1. Introduction
2. Assessment/Prioritization
3. Reasonable Assur. Analysis
4. Approach for PWQCs
5. Monitoring
6. Reporting

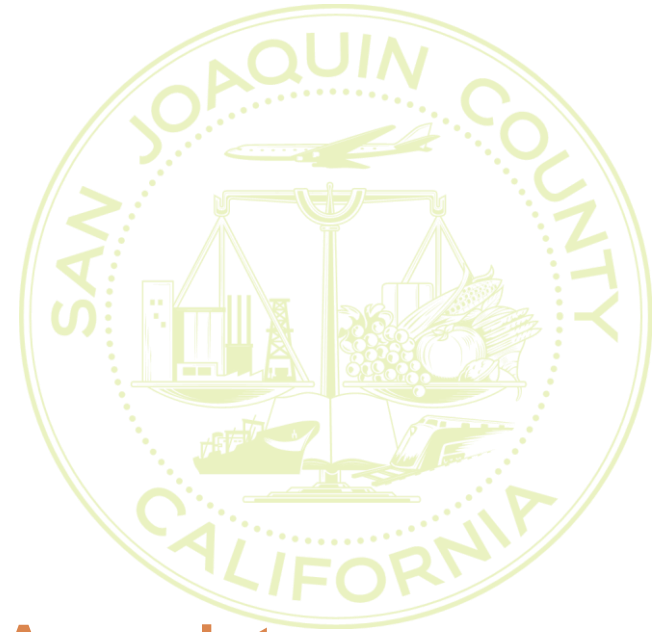


PWQCs (Category 1) are
Focus
(FIB, MeHg, Trash, DO)

AND

B. 2020-2026 Work Plan Detailed Activities

Strategies and Activities	PWQC Addressed					2020-2021				2021-2022			
	Indicator	Bacteria	Methyl-mercury	Dissolved Oxygen	Trash	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
PO2 Public Outreach Implementation													
Update Website	✓				✓								
Identify and/or Create, Revise, and Distribute Educational Materials													
Pet Waste Brochures/Mailings	✓												
Houseboat Brochures/Mailings	✓												
Proper Use, Application, and Disposal of Fertilizers				✓									
Proper Disposal of Trash					✓								
Participate in Community-Wide Programs and Events													
Conduct Mixed Media Campaigns					✓								
Install and Maintain Pet Waste Disposal Stations	✓												
Participate in/Support the Delta Mercury Exposure Reduction Program			✓										



Q&A

Karen Ashby, Larry Walker Associates