



# Authorize Renewal of Municipal Water Quality Investigations Agreements with DWR

Water Planning and Stewardship Committee

Item 8-3

April 8, 2019

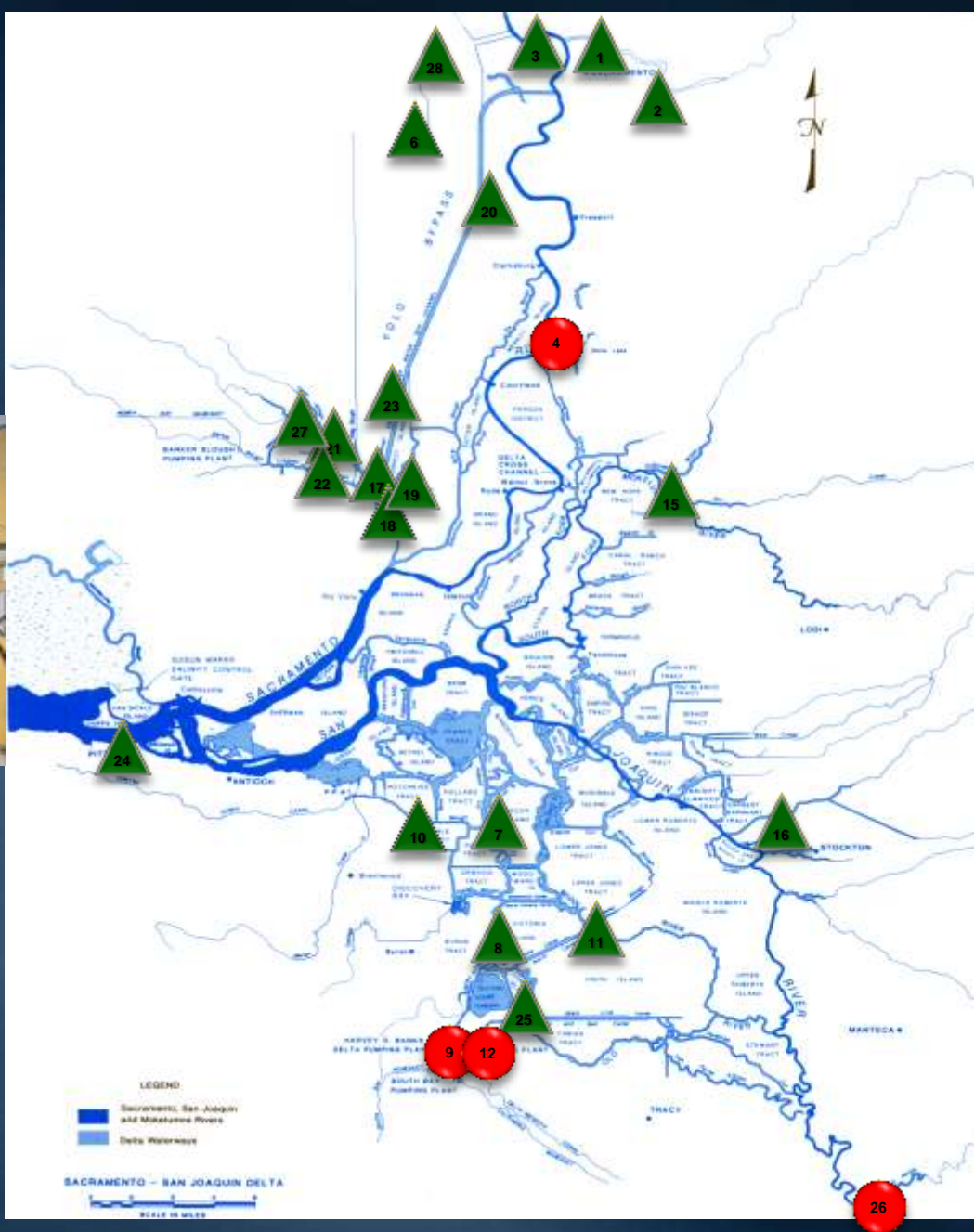
# Municipal Water Quality Investigations Program Overview

- Program established in 1990
  - Contractors requested information on emerging threats to drinking water quality
  - Funded by participating urban SWP Contractors
  - Existing agreement is for 3 years CY 2017-2019
- Core functions
  - Monitor water quality in Delta and SWP
  - Forecast SWP water quality for contractors
  - Store and disseminate data
  - Conduct scientific studies
  - Produce SWP Watershed Sanitary Survey

# Real-Time Monitoring Stations



- Hood
- Banks
- Jones
- Vernalis
- Gianelli

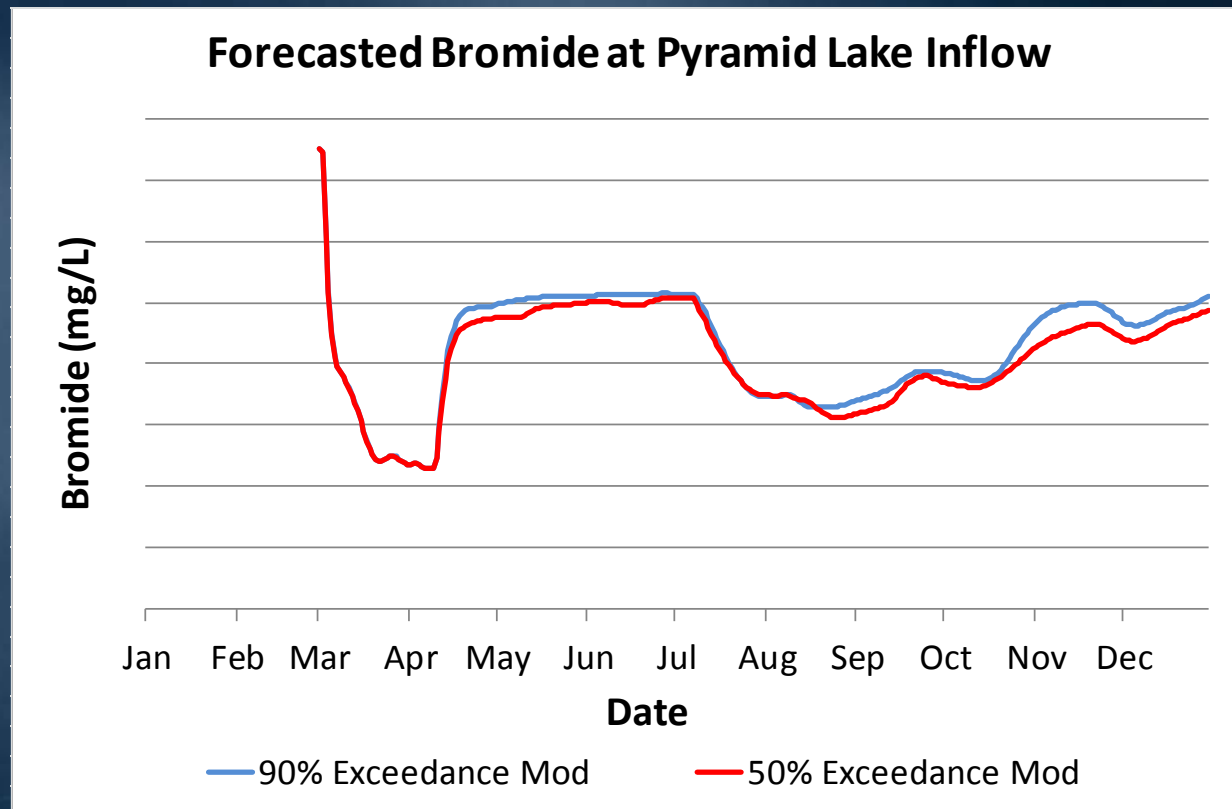


# Discrete Sampling Locations



# Key Benefits

- Cost-effectively manages water quality sampling and lab analysis
- Identifies changing water quality conditions and alerts contractors



# Key Benefits (continued)

- Flexible site-specific sampling for special projects or needs (e.g. document before and after water quality at Delta restoration project locations)
- Provides data and automated updates quickly and in a usable format

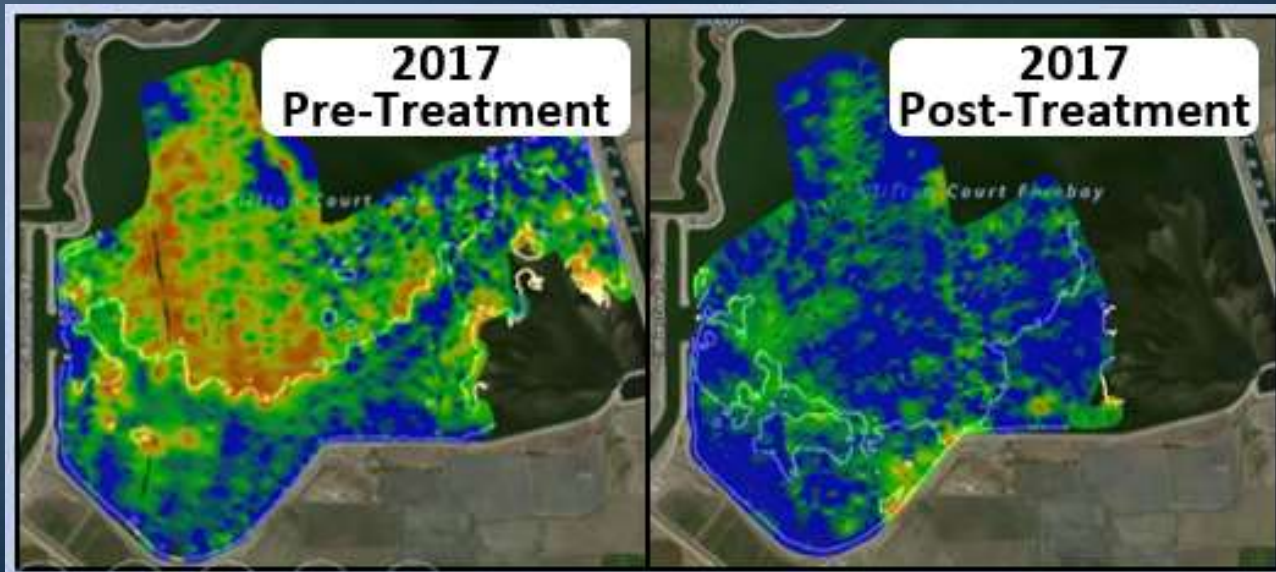
# Accomplishments

## Calendar years 2017 and 2018

- Sampling and Monitoring Program
  - Collected and lab tested hundreds of water quality samples
  - Produced over 100 forward-looking SWP water quality forecasts
- Monitoring and Alerts
  - Implemented notifications to Contractors for scheduled herbicide treatments
  - Collaborated with O&M and MWQI SPC to monitor Endothall treatments at Clifton Court and O'Neill Forebay in 2018
- Studies and Reports
  - Published SWP Watershed Sanitary Survey Update
  - Fluorescence of Dissolved Organic Matter (FDOM) Study (Draft)

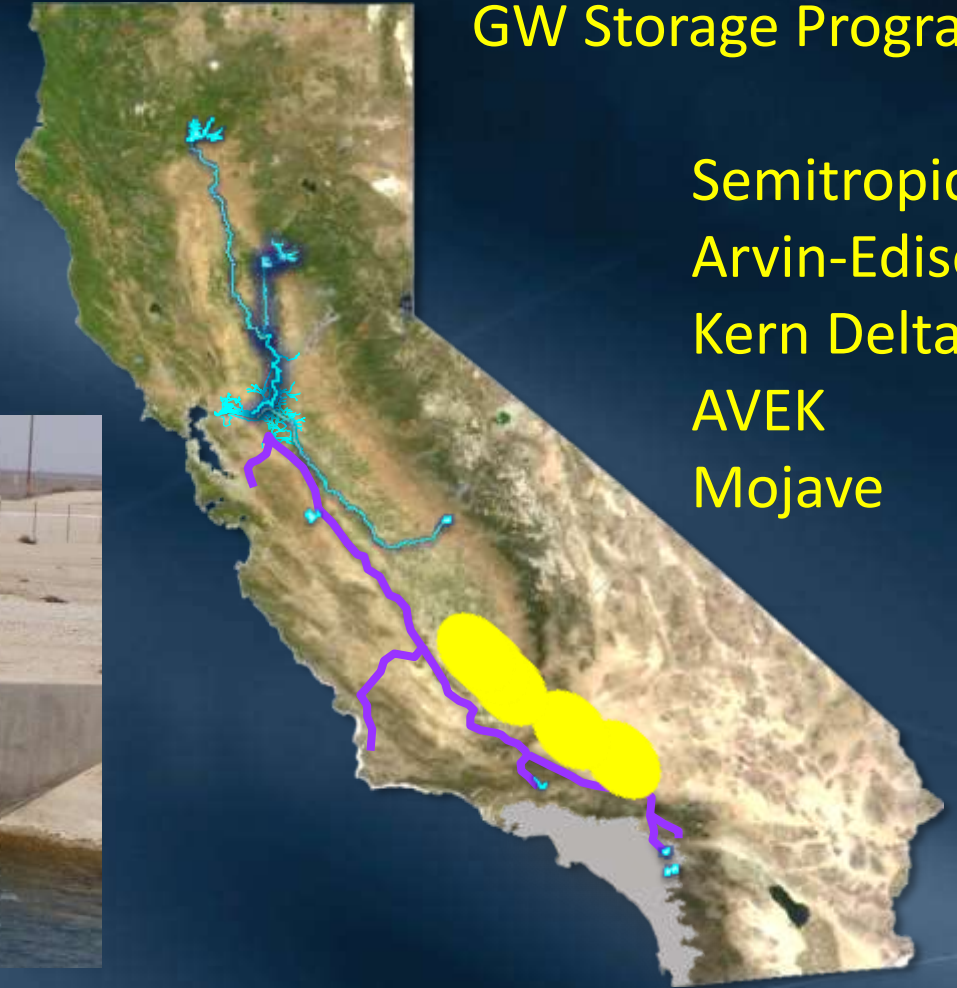
# Activities for CY 2019

- Monitor applications of pesticides and herbicides in the SWP



# Activities for CY 2019 (continued)

- Feasibility study on including aqueduct pump-ins in water quality forecasts



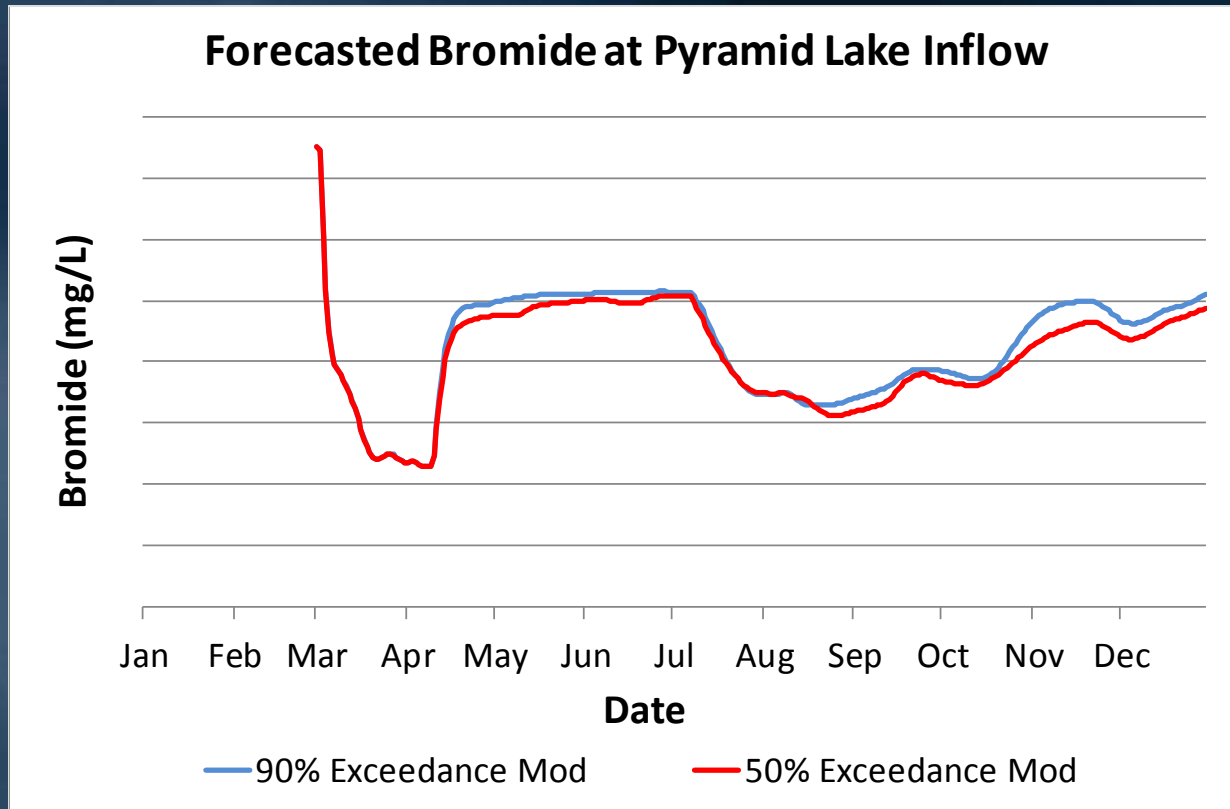
## GW Storage Programs

Semitropic  
Arvin-Edison  
Kern Delta  
AVEK  
Mojave



# Activities for CY 2019 (continued)

- Assess performance of historical water quality forecasts



- Enhance coordination within DWR and SWP Contractors on water quality issues

# Proposed Renewal of Agreements

- MWQI Agreement

- Funds DWR staff, overhead and equipment
- Parties: DWR, urban SWP Contractors, SWC Inc.
- New agreement is for 3 year term CY 2020-2022

- MWQI Specific Project Agreement

- Funds technical and administrative support, consultants, and scientific studies
- Agreement provides fast procurement of urgently needed equipment, parts and services
- Parties: urban SWP Contractors, SWC Inc.
- New agreement is for 3 year term CY 2020-2022

# Proposed Renewal of Agreements (continued)

- New agreements start on January 1, 2020
- 3 Year Term 2020-2022
- \$3.1 million/year is maximum combined cost of both agreements
  - MWQI Agreement
  - MWQI Specific Project Agreement
    - \$700,000 annual budget cap unless a participating contractor opts in and voluntarily agrees to fund a higher amount
- Metropolitan's share of costs based on SWP Table A allotment
  - Up to \$2.1 million per year

# Board Options

- Option #1
  - Authorize the General Manager to execute a renewal of the MWQI Agreement for 2020-2022 and a renewal of the MWQI Specific Project Agreement for 2020-2022, with Metropolitan's combined costs under both agreements not to exceed \$2.1 million annually over the 3-year term of the agreements

# Board Options

- Option #2
  - Do not authorize the General Manager to execute the MWQI Agreements

# Staff Recommendation

- Option #1

