

Coordinated Monitoring Program of the Sacramento and American Rivers



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(SRCSD)

Presentation Elements

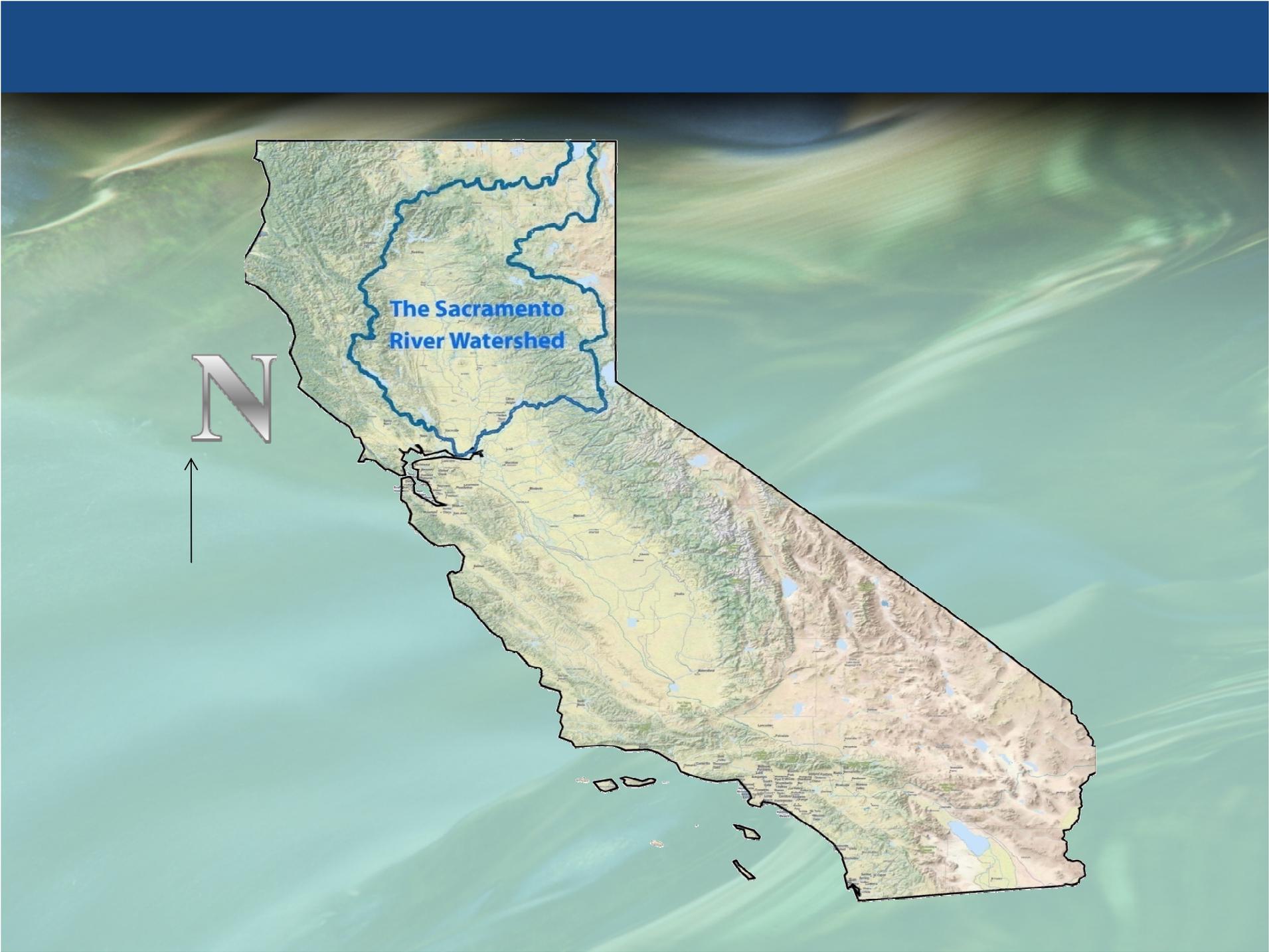
- Program Overview
- Program Components
- Lessons Learned



Program Overview

- Sacramento Area
- Program Goals
- Collaborations



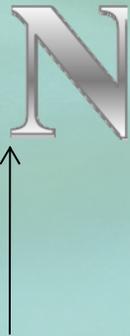


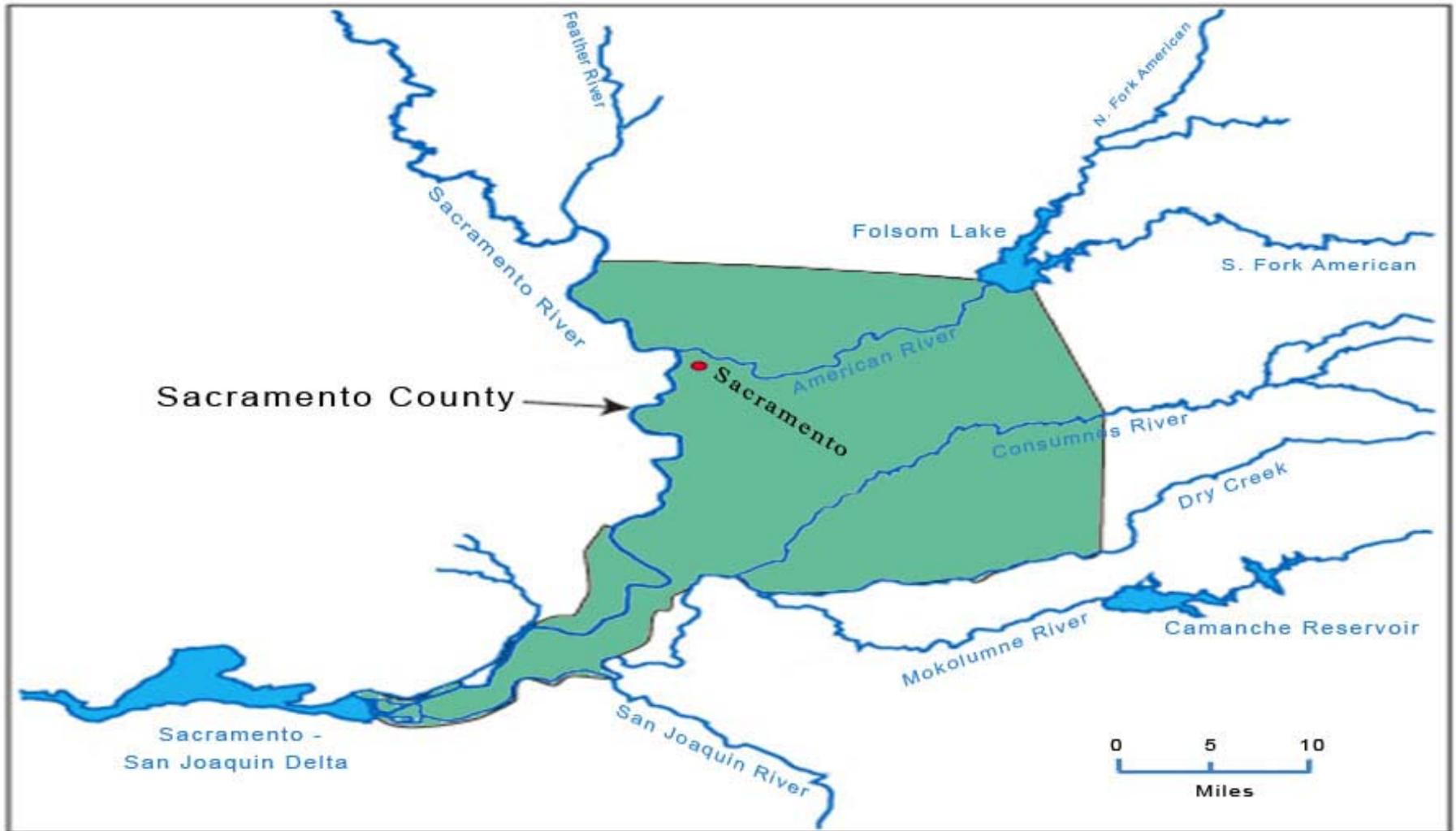
The Sacramento
River Watershed



Sacramento County

The Sacramento
River Watershed





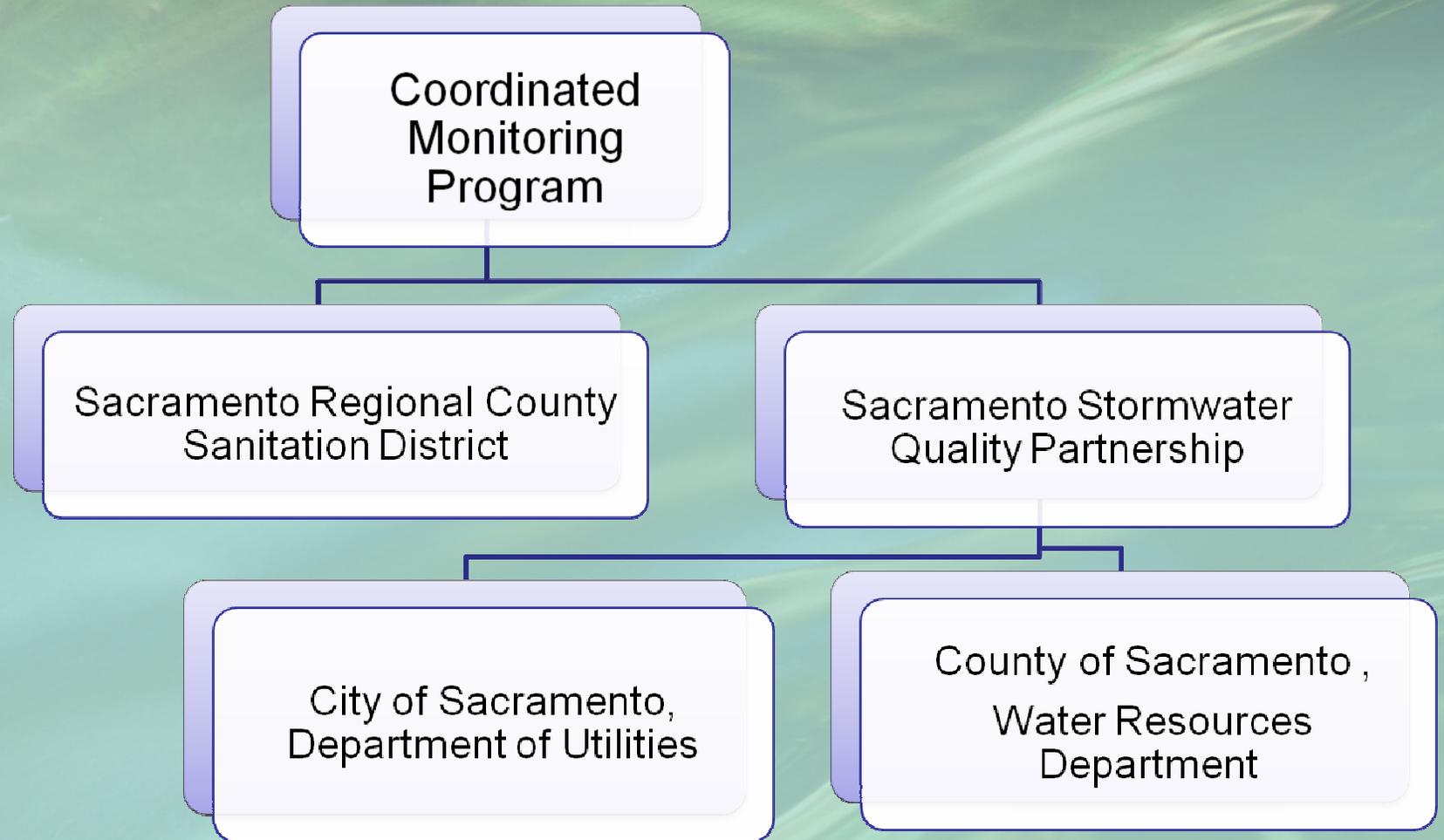
Major Waterways of the Sacramento Area



Overview: Primary Program Goals

- Develop *high quality data*
- *Cost-effective* approach
- Fulfill regulatory requirements
- Communicate findings
- Coordinate and collaborate with regional efforts

Overview: Collaboration



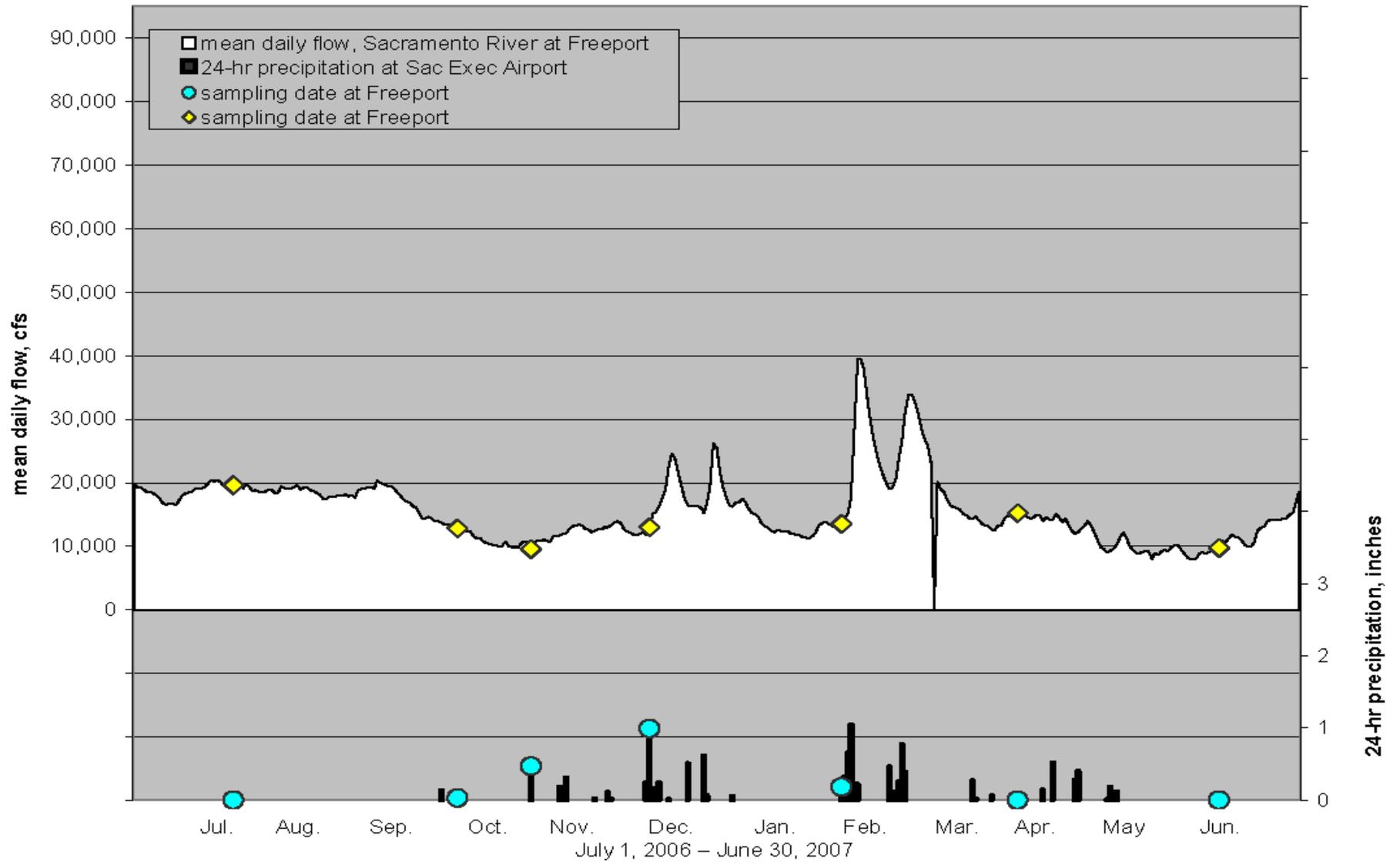
Program Components

- Monitoring
- Data management

And Reporting

- Public outreach and education







Sacramento Stormwater Quality Partnership





Sacramento
Regional
County
Sanitation
District



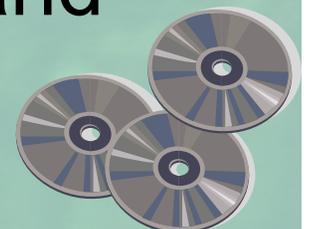


Coordinated Monitoring Program



Components: Data Management

- Licensed Software
 - **A**utomated **D**ata **P**rocessing **T**ool
 - **E**nvironmental **D**ata **M**anagement **S**ystem
- Apply standard procedures for data reporting, screening, and validating
- All data reviewed in a timely manner and entered into a program database



Components: Reporting

- Annual Report
- Summary Statistics
- Data Validation
- Time Series Plots

CDM



Sacramento Regional County
Sanitation District
Coordinated Monitoring Program



2006-2007 Annual Report

September 2007

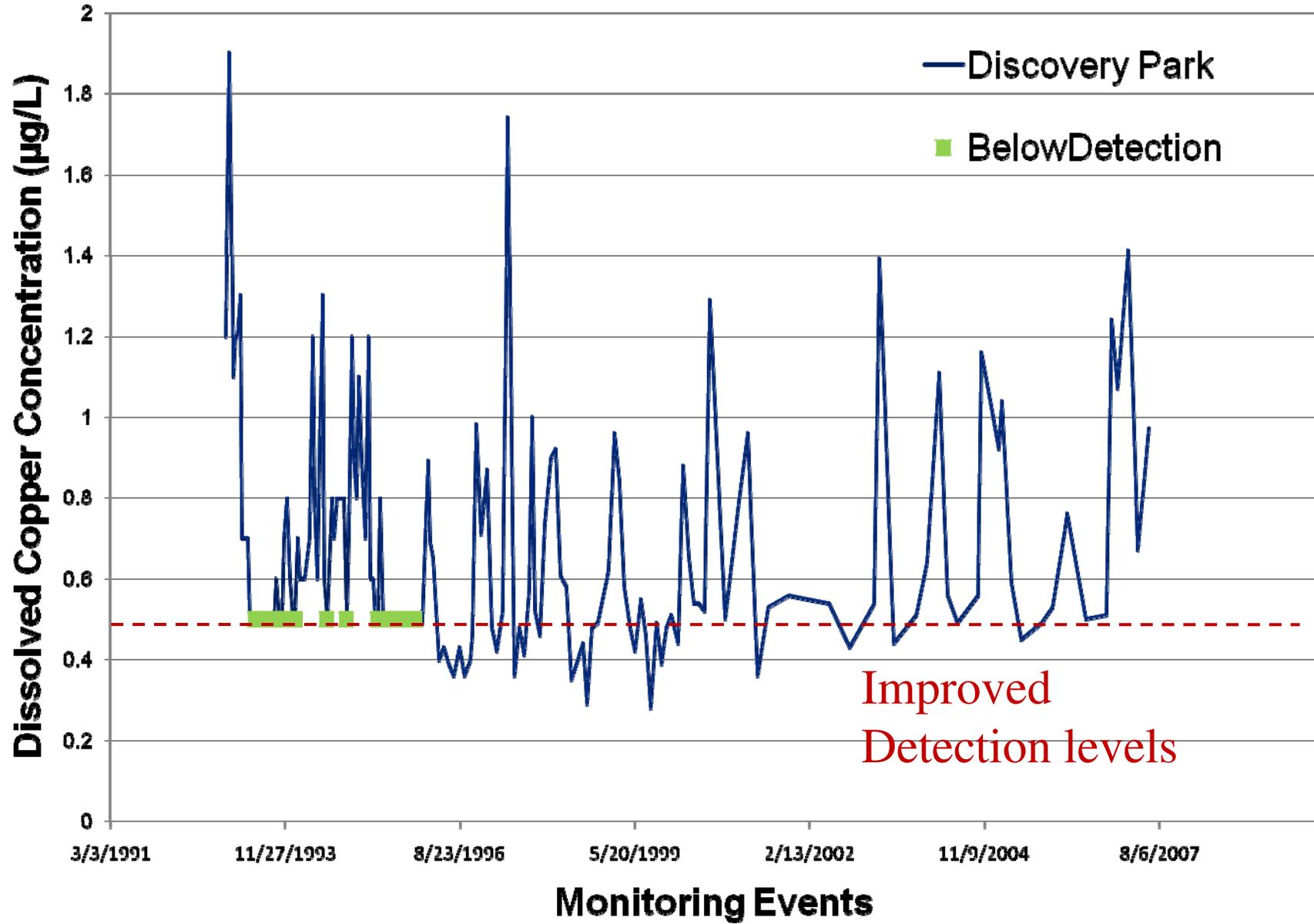
Prepared by:

Camp Dresser & McKee Inc.
Laboratory Data Consultants, Inc.
Katz & Associates

Table B-1. Summary Statistics for the Sacramento River at Veterans Bridge

Parameter	Unit	n	% det.	n det.	mean	std dev	min det.	max det.	min reporting limit	max reporting limit
Ammonia	mg/L	44	0%	0	id	id	ND	ND	0.1	0.1
Arsenic (dissolved)	µg/L	93	77%	72	1.3038	0.4521	0.29	2.4	0.15	0.15
Arsenic (total)	µg/L	162	94%	153	1.7086	0.5003	0.7	3.63	0.15	0.3
Cadmium (dissolved)	µg/L	148	54%	80	0.0154	0.0249	0.003	0.24	0.008	0.02
Cadmium (total)	µg/L	160	89%	143	0.0637	0.1016	0.008	0.74	0.008	0.04
Chloride	mg/L	94	91%	86	5.4609	2.2438	2.2	14	2	3
Chromium (dissolved)	µg/L	84	19%	16	id	id	0.02	1.2	0.03	0.1

Dissolved Copper-American River



Components: Public Outreach

- Attend Local Events
 - Salmon Festival
 - Walk on the Wild Side
- Distribute Brochures
- Well-maintained Website
- <http://www.srcsd.com/cmp>

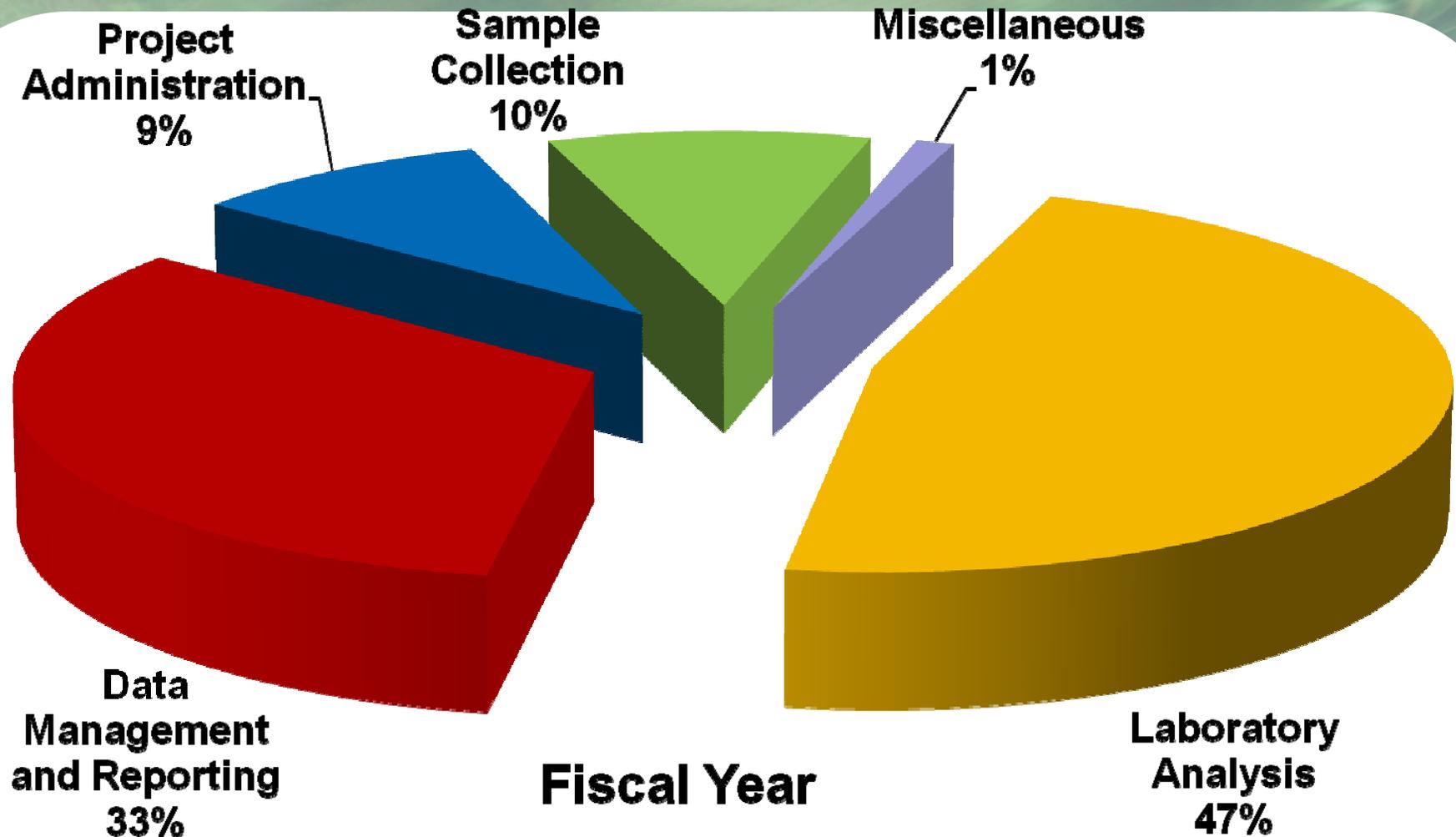


Lessons Learned

- Costs and Funding
- Data Quality and Access
- Partnerships
- Maintaining the Program



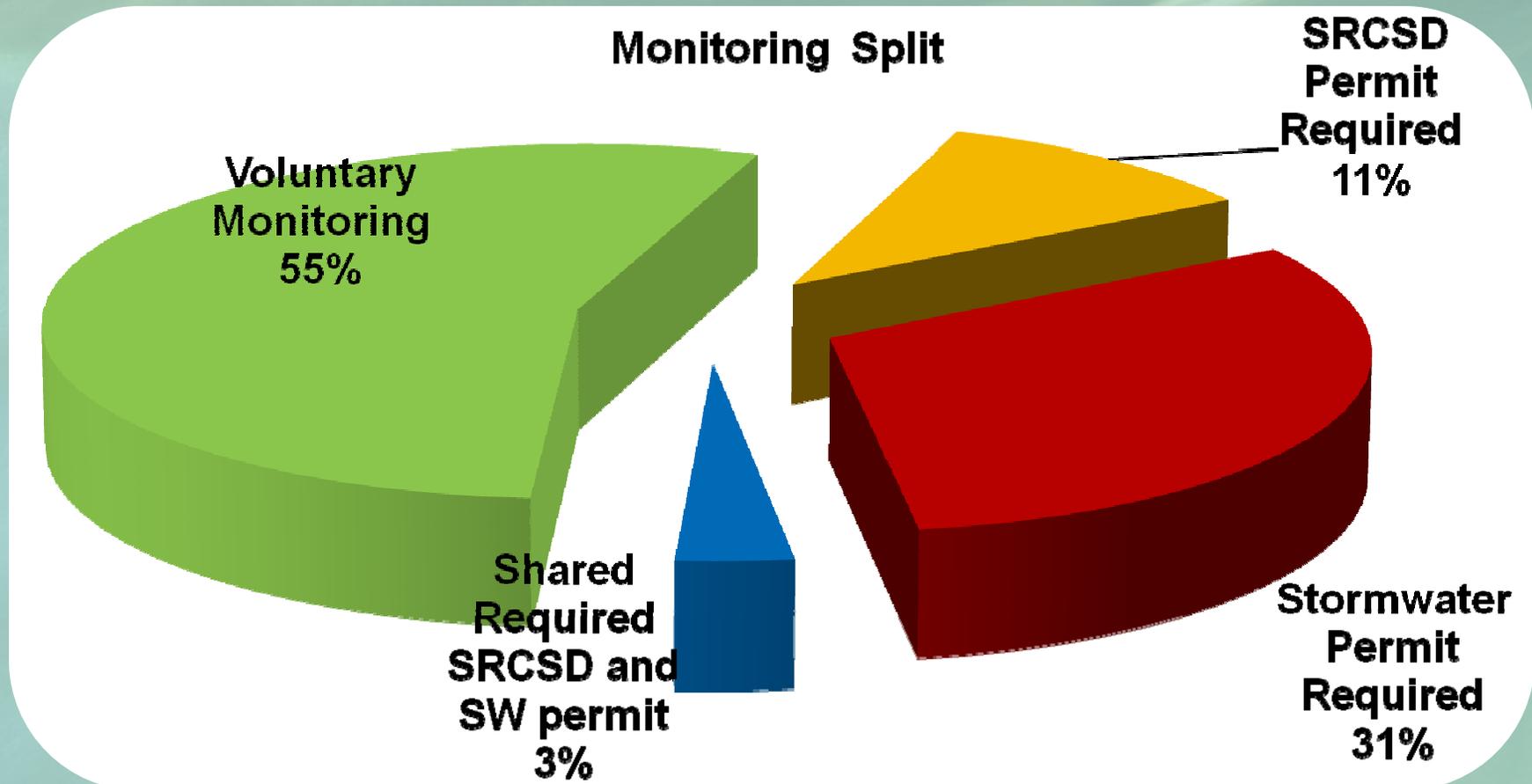
Lessons Learned: Operating Costs



Fiscal Year

Lessons Learned: Funding

Costs shared 50-50 among partnering agencies



Lessons Learned: Data Uses

- Demonstrate
 - Compliance
 - Effectiveness of Control Measures
- Develop
 - Regional Policies
 - Total Maximum Daily Loads
 - National Pollution Discharge Elimination System Permits
- Data Requests

Lessons Learned: Data Quality

- Close coordination
- Using licensed software
- Timely data review

Lessons Learned: Partnerships

- Steering Committee
- Cost-savings
- Meeting requirements
- Regular communication

Lessons Learned: Maintaining the Program

- Review current stations and parameters for relevance
- Perform statistical analysis to define completeness and trends
- Revise monitoring program if necessary

In Summary: Coordinated Monitoring Program

- Demonstrates effective coordination
- Accomplishments of Goals
- Successful collaborative effort

Special Acknowledgements



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Questions?

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