



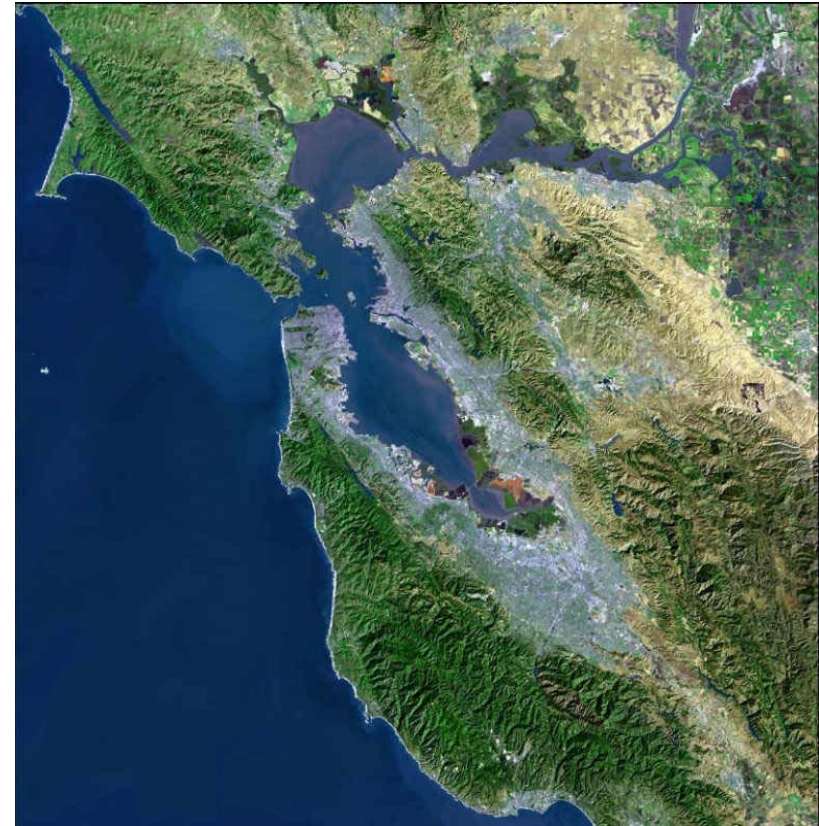
Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

Strategic Plan

April 25, 2011



Vision

To understand and support ongoing research related to nutrient enrichment of the San Francisco Bay, to identify and be a resource for the development of data necessary to make informed regulatory decisions and, if necessary, lead the effort to manage nutrients and improve water quality within the San Francisco Bay

Goal (abbreviated)

**Develop
Strategic Plan
to Proactively
Address
Potential
Changes in
Nutrient Limits**



1. Determine whether a nutrient related issue exists and whether increased management is required.
2. Identify the role POTWs should play to improve water quality.
3. Identify tools to manage and improve water quality.
4. Lead the effort required to analyze and evaluate water quality.

Objectives (abbreviated)

1. Define the problem so others can understand.
2. Understand and actively participate in regulatory actions related to nutrient criteria development.
3. What does data and science suggest regarding nutrient impairment of beneficial uses?
4. Determine the impact POTWs have on water quality with respect to nutrients.
5. Identify data gaps needed to understand and predict cause and effect relationships.

Objectives (continued)

6. Describe potential implications of evolving nutrient regulations to BACWA members.
7. Prepare a strategy to assist in the development of POTW nutrient limitations.
8. What constitutes success and how do we monitor progress?

Recommended Strategy

Initiative A

Outreach

A1

Common Understanding of Nutrient Issues

A2

Accurate Information and Consideration of POTW Limitations

A3

Educate Rate Payers about Nutrient Issues

Initiative B

Understanding Water Quality and Watershed Loadings

Wastewater Point & Nonpoint Sources

Spatial and Temporary Variability

Management Questions and Issues Identification

Idealized Monitoring Programs

Water Quality Monitoring

Future Scenarios: Managed & Unmanaged

Wastewater Treatment Technology Capabilities

Achievable Outcomes

Initiative C

Permitting and Compliance Framework

C1

Appropriate Nutrient Discharge Permit Structures

C2

Implementation Planning

C3

Technology Based Structures