



Marin County Watershed Program



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www.marinwatersheds.org

Overview

- Working in 4 watersheds
 - Website and Stakeholder Outreach
 - Planning Tools
 - Sea level rise planning and adaptation
 - Schedule
-

Countywide Watershed Program



Southern Marin Flood Protection and Watershed Program

A Project of the Marin County Department of Public Works

www.marinwatersheds.org



Program Participants

Watershed Descriptions

Science

Planning Tools

Flood & Stormwater Protection

Learn More



What's Happening Now

Southern Marin Watershed Program

The Marin County Department of Public Works has developed a proposal for a Southern Marin Watershed Program. [Click here to read the draft proposal.](#)



EPA Grant awarded for Richardson Bay

\$1.5 million for the North Bay (Marin, Napa, and

Watershed Explorer



Find your watershed

For information about Marin County watersheds, please visit our [Watershed Explorer](#).

Watershed descriptions contain information on watershed history, present land use, biology, and watershed processes. [More on this watershed.](#)



Arroyo Corte Madera del Presidio

Surveyed 2009

Department of Fish and Game Habitat Assessment

DFG completed a habitat assessment of Arroyo Corte Madera del Presidio in summer 2009. The report has information about salmonid presence and habitat features along the riparian corridor. [Click here to read the report.](#)

The Master Plan

The Master Plan will recommend priorities for implementation and timing of construction and restoration improvements throughout the sub-watersheds of Arroyo Corte Madera del Presidio, Sutton Manor, Coyote Creek, East Creek and West Creek.

Assistance for Landowners



The [Landowner Help](#) section has resources for

[Southern Marin Home](#)

[The Watershed](#)

[Science](#)

[Flood Preparedness](#)

[Library](#)

[Flood Zone Districts](#)

Program Partners

[City of Mill Valley](#)

[Flood Control Zone No. 3](#)

[Flood Control Zone No. 4](#)

[County of Marin](#)

Flood Control Zone Meetings

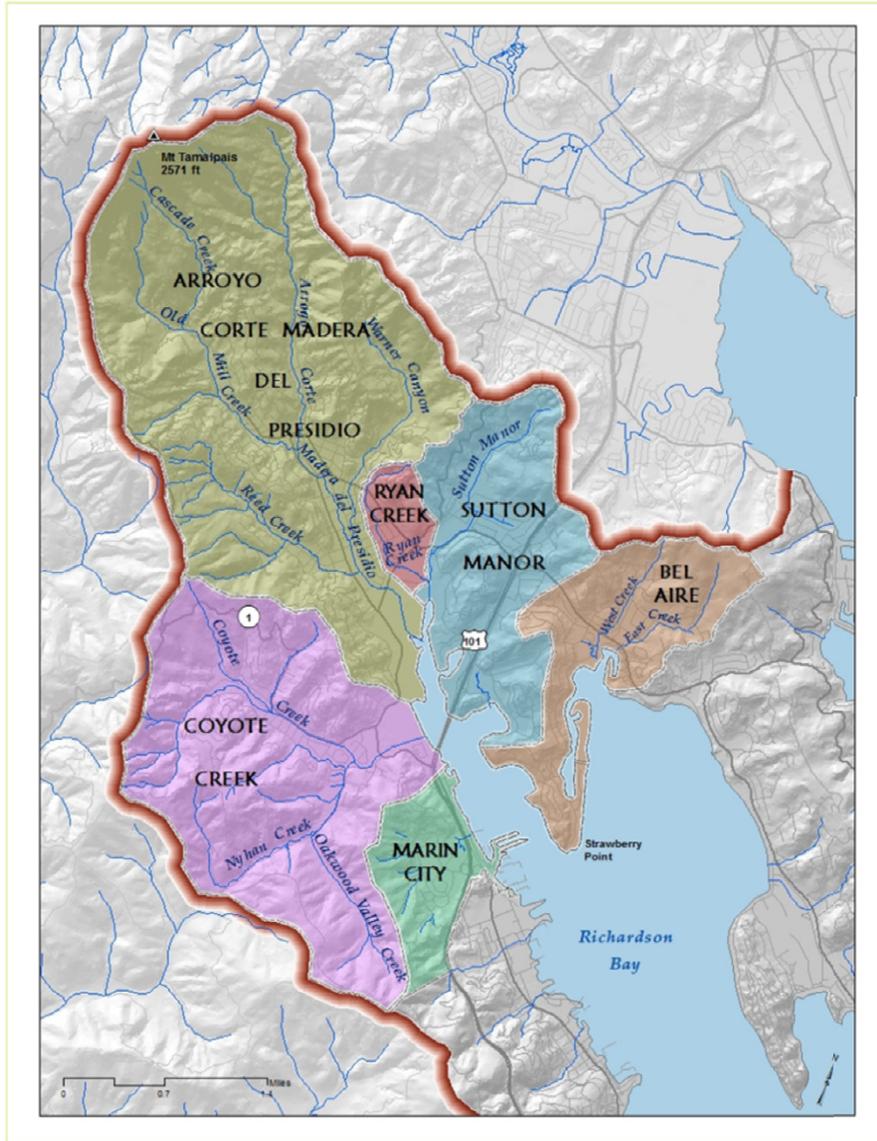
Advisory board meeting information is archived in our library. More on meetings in [Zone 3](#) and [Zone 4](#).

Science Pages



Our science pages have information about our creek plants and wildlife. [More...](#)

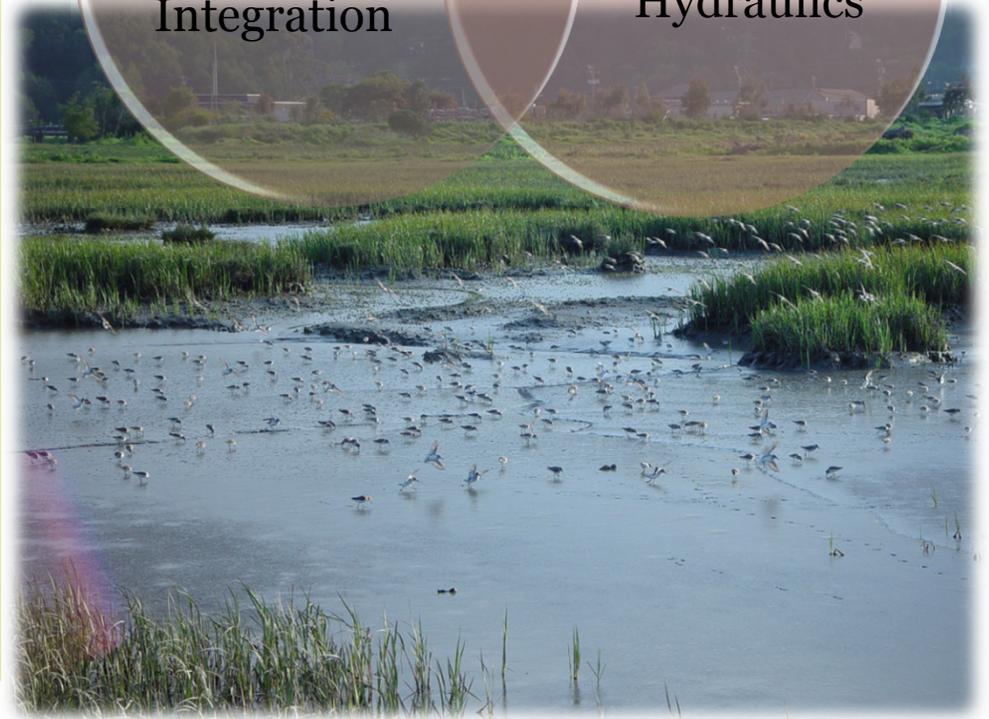
Watershed Approach



Existing
Conditions
Assessment

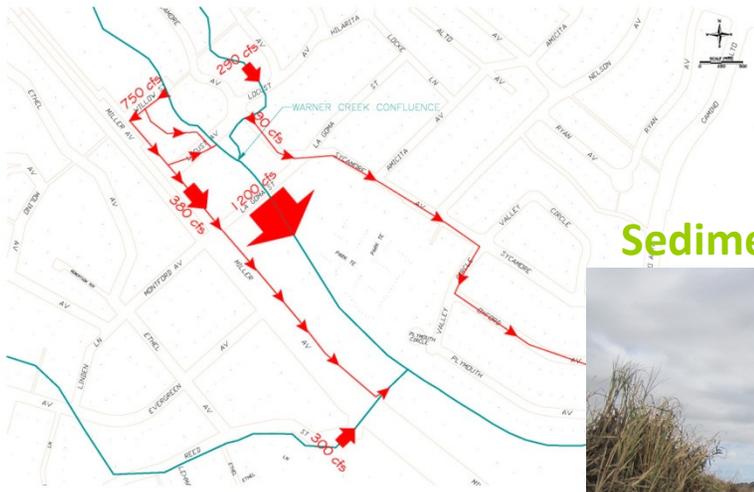
Opportunities
for
Integration

Hydrology &
Hydraulics



Tools for Understanding our Watershed

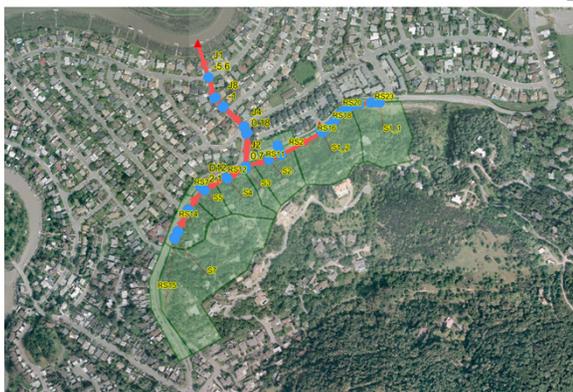
Creek flow models



Sediment management



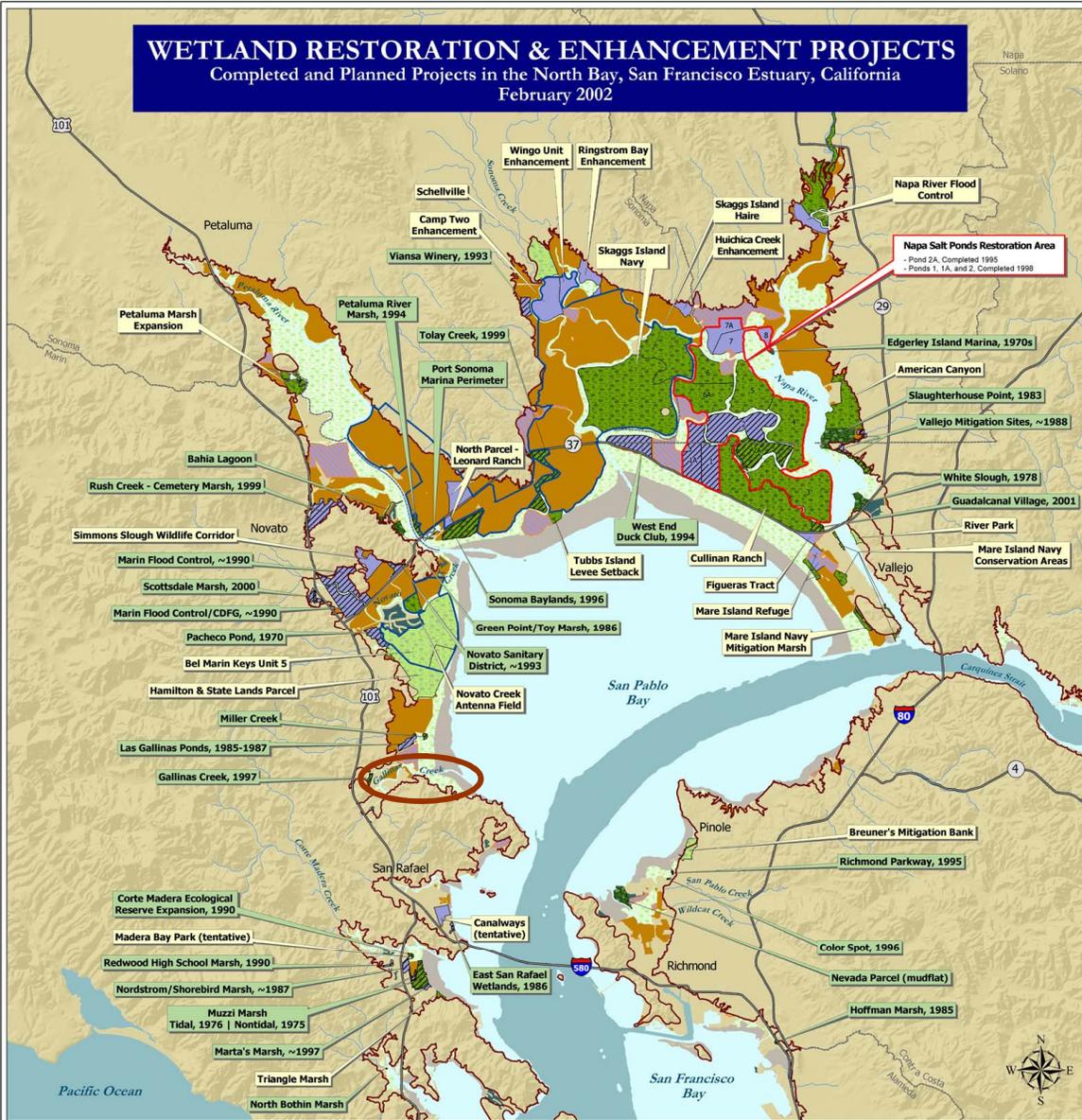
Stormwater modeling



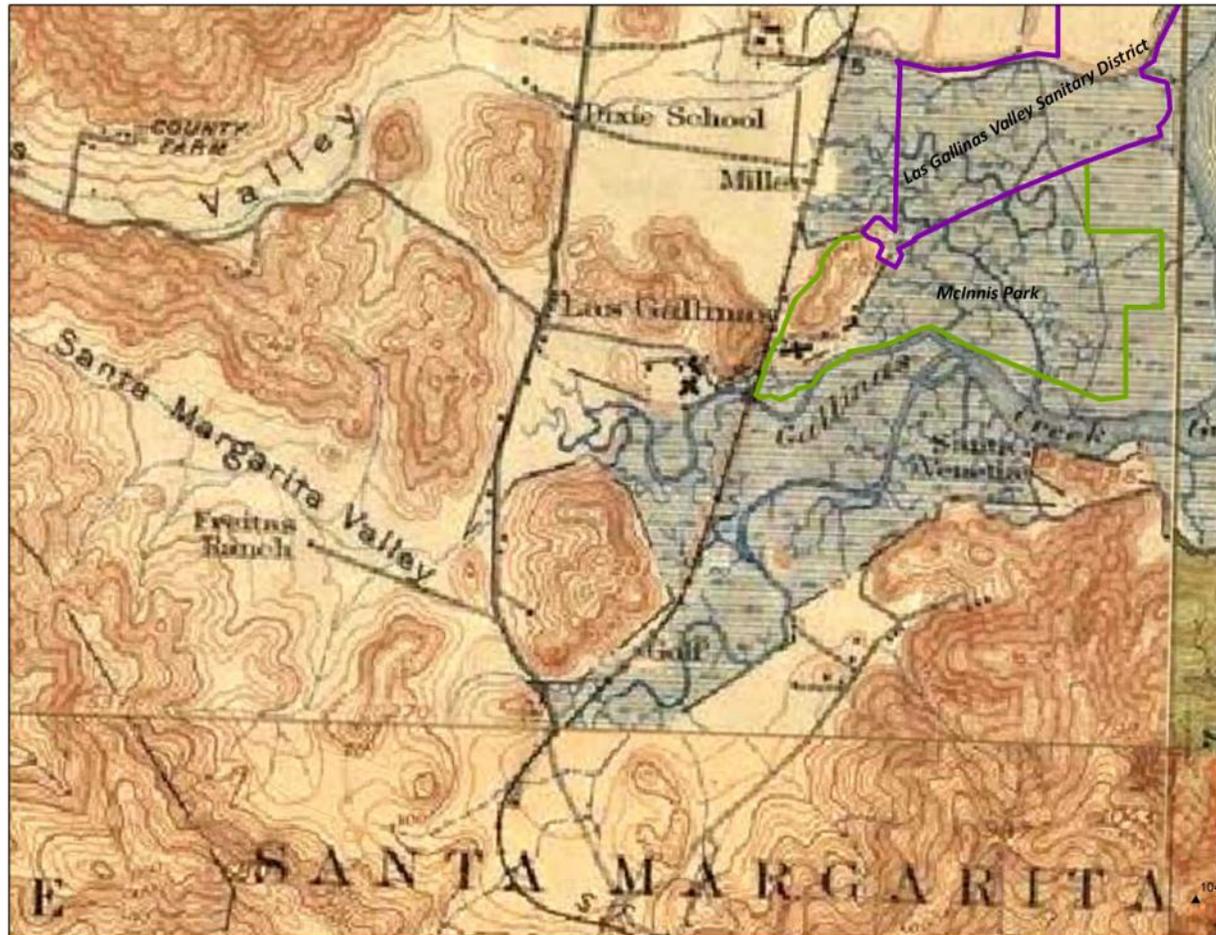
- Creek and watershed flow models will serve the community and the flood control district for many years.
- Incorporating higher bay elevations to evaluate sea level rise impacts on creek flows and proposed alternatives
- Proposed creek and stormwater projects can use the models for “what if” testing
- Plan to evaluate sediment movement and develop alternatives for storing and moving sediment more efficiently

WETLAND RESTORATION & ENHANCEMENT PROJECTS

Completed and Planned Projects in the North Bay, San Francisco Estuary, California
February 2002



Lower miller and Gallinas creeks – circa 1915



Project Goals for restoration of lower Miller and Gallinas Creeks

- Improve flood and sediment conveyance
- Re-establish ecologically contiguous bay/marsh/creek transition zones
- Support salmon migration/rearing
- Increase the sustainability of sub-tidal habitats
- Reduce the need for dredging
- Provide opportunities for public access and wildlife viewing
- Utilize marsh areas to buffer infrastructure against sea level rise

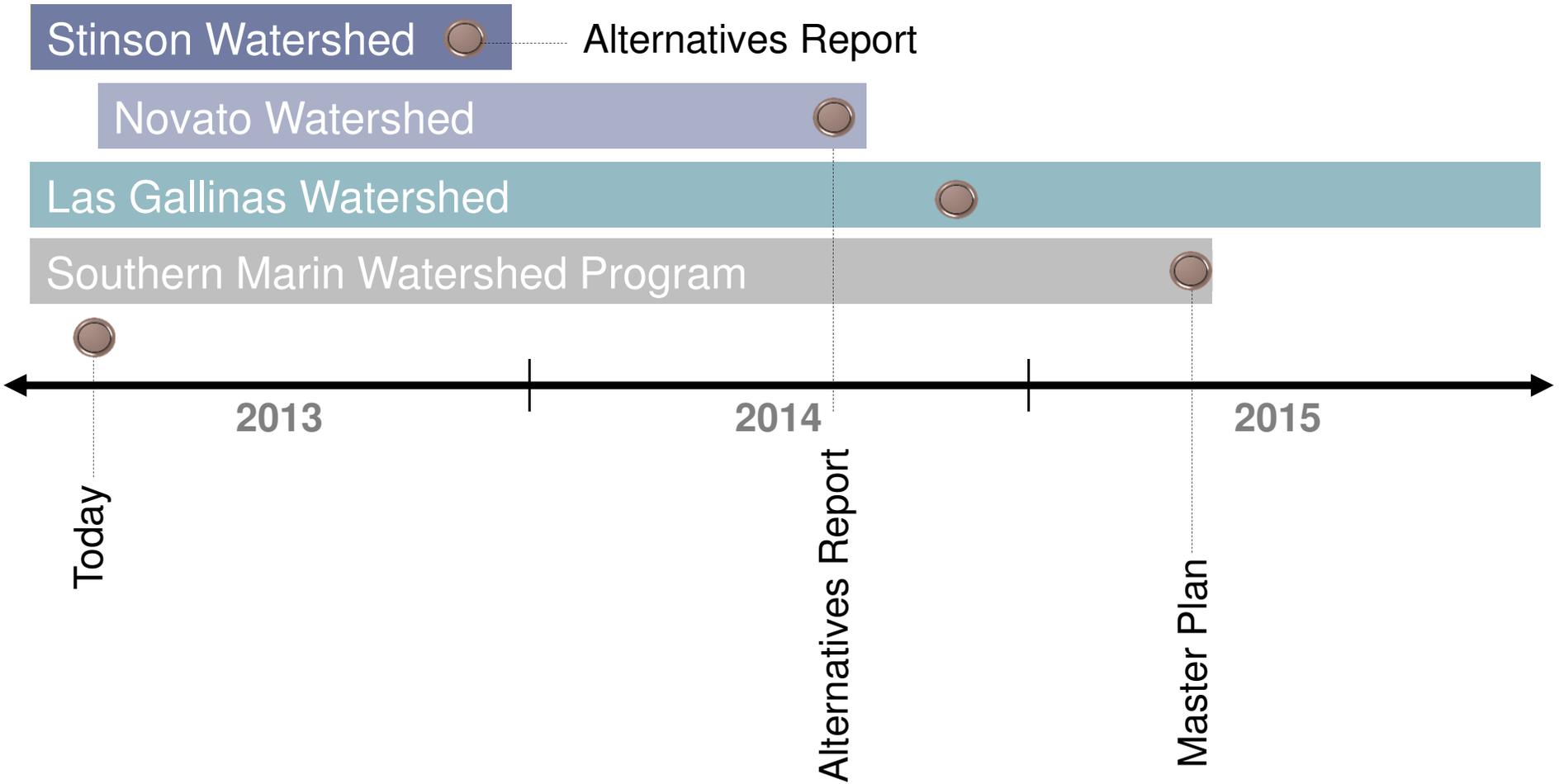


Richardson Bay Natural Shoreline Demonstration Projects

- 5 potential sites identified as candidates for natural shoreline protection
- Reuse of coarse-grained dredge sediment
- Demonstrate alternatives to rip-rap and sea walls
- IWRMP plan submittal by Roger Leventhal and Peter Baye



Marin Watershed Timeline



Thank You



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