

Proposition 1 Water Bond

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Overview

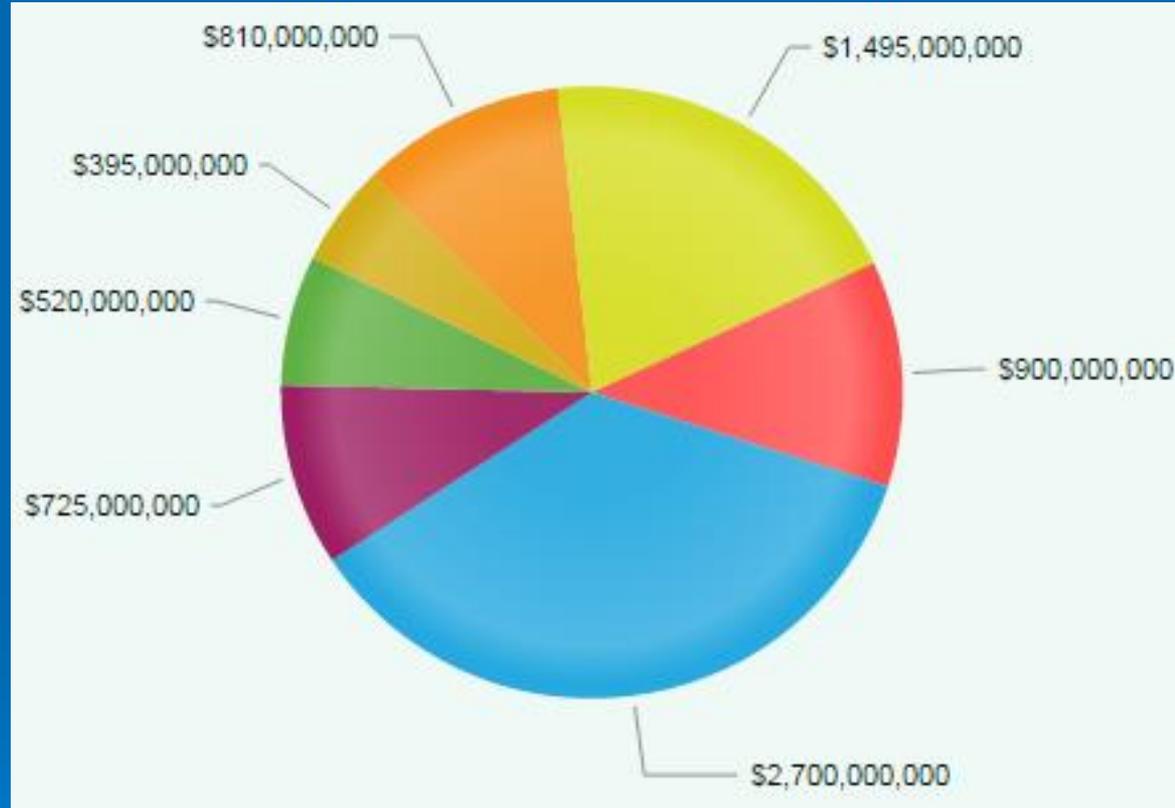
- 💧 Brief background on Proposition 1
- 💧 Introductions by agency representatives
- 💧 Workgroup example
- 💧 Questions and discussion

Proposition 1

- 💧 Voters approved Water Quality, Supply and Infrastructure Improvement Act (November 2014)
 - 💧 \$7.5 billion in general obligation bonds for:
 - 💧 Water storage
 - 💧 Water quality
 - 💧 Flood protection
 - 💧 Watershed protection
 - 💧 Restoration

Bond Accountability

- Clean, safe and reliable drinking water
- Protecting rivers, lakes, streams, coastal waters, and watersheds
- Regional water security, climate and drought preparedness
- Statewide water system operational improvement and drought preparedness
- Water recycling
- Groundwater sustainability
- Flood management



Agency Prop 1 Guidelines

Program	Title	Agency Of Appropriation
State Water Pollution Control Revolving Fund - Wastewater Treatment Projects	State Water Pollution Control Revolving Fund - Wastewater Treatment Projects	State Water Resources Control Board
Ecosystem, Watershed Protection and Restoration	Baldwin Hills Conservancy: Ecosystem, Watershed Protection and Restoration	Baldwin Hills Conservancy
Ecosystem, Watershed Protection and Restoration	Tahoe Conservancy: Ecosystem, Watershed Protection and Restoration	California Tahoe Conservancy
Ecosystem, Watershed Protection and Restoration	San Diego River Conservancy: Ecosystem, Watershed Protection and Restoration	San Diego River Conservancy
Ecosystem, Watershed Protection and Restoration	San Joaquin River Conservancy: Ecosystem, Watershed Protection and Restoration	San Joaquin River Conservancy
Ecosystem, Watershed Protection and Restoration	Multibenefit water quality, water supply, and watershed protection and restoration projects	Santa Monica Mountains Conservancy
Ecosystem, Watershed Protection and Restoration	Sierra Nevada Conservancy: Ecosystem, Watershed Protection and Restoration	Sierra Nevada Conservancy
Ecosystem, Watershed Protection and Restoration	State Coastal Conservancy: Ecosystem, Watershed Protection and Restoration	State Coastal Conservancy
Ecosystem, Watershed Protection and Restoration	Delta Conservancy: Ecosystem, Watershed Protection and Restoration	Sacramento-San Joaquin Delta Conservancy
Stream Flow Enhancement	Stream Flow Enhancement	Wildlife Conservation Board
Watershed Restoration	Watershed Restoration	California Department of Fish and Wildlife
Water Quality, Ecosystem Restoration and Fish Protection Facilities - Delta	Water Quality, Ecosystem Restoration and Fish Protection Facilities - Delta	California Department of Fish and Wildlife
Water Recycling	Water Recycling	State Water Resources Control Board
Ecosystem, Watershed Protection and Restoration	Ocean Protection Council: Ecosystem, Watershed Protection and Restoration	Secretary for Natural Resources

Prop 1 Program Schedule

Administering Agency/Dept/Board/Council/Conservancy	Name of Program	Water Code Section	Jan-15	Feb-15	Mar-15	Apr-15
State Water Resources Control Board	Small Community Wastewater	79723		Draft Guidelines Released	Public Workshops	
State Water Resources Control Board	Clean, Safe and Reliable Drinking Water	79724 (a)(1)			Scoping Workshops	
Baldwin Hills Conservancy	Ballona Creek/Baldwin Hills Watershed Program	79731 (a)		Draft Guidelines to Board (2/27)		Public Workshops Final Guidelines Review by CNRA
Tahoe Conservancy	Ecosystem and Watershed Protection and Restoration Program in the Lake Tahoe Basin	79731 (b)	Draft to Guidelines Board		Public Workshops	Final Guidelines Review by CNRA; Board Update/Adoption (4/23)
Coachella Valley Mountains Conservancy	Coachella Valley Multibenefit Ecosystem and Watershed Protection and Restoration Projects Grant Program	79731 (c)	Draft Guidelines Outline to Board (1/12)		Draft Guidelines to Board/ Public Workshops	Final Guidelines Review by CNRA
Ocean Protection Council	Proposition 1 Grant Program	79731 (d)				
San Diego River Conservancy	Water Quality and Supply, Watershed Restoration and Habitat Enhancement Program	79731 (e)			Draft Guidelines to Board	Public Workshops
San Gabriel and Lower LA Rivers and Mountains Conservancy	Multibenefit Water Quality, Water Supply, and Watershed Protection and Restoration Program	79731 (f)			Draft Guidelines to Board	Public Workshops
San Joaquin River Conservancy	San Joaquin River Conservancy Multi-Benefit Watershed Protection and Restoration Program	79731 (g)		Draft Guidelines to Board (2/18) / Draft Guidelines Released	Draft Guidelines to Board (3/18)	Public Workshops
Santa Monica Mountains Conservancy	Multibenefit Water Quality, Water Supply, and Watershed Protection and Restoration Program	79731 (h)				
Sierra Nevada Conservancy	Sierra Nevada Watershed Improvement Program	79731 (i)		Draft Guidelines Released (2/6)	Draft Guidelines to Board (3/4); Public workshops	Final Guidelines Review by CNRA
Coastal Conservancy	Proposition 1 Grant Program	79731 (j)	Draft Guidelines to Board (1/29)		Public Workshops	Final Guidelines Review by CNRA

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Covered Projects?

- 💧 Guidelines aim to fund on-the-ground projects that:
 - 💧 create additional water supplies
 - 💧 protect existing water supplies, or
 - 💧 improve water quality and habitat
- 💧 *Can Prop 1 funds be used for the portals?*
- 💧 *Can monitoring and assessment efforts be funded by Prop 1?*

Agency Representatives

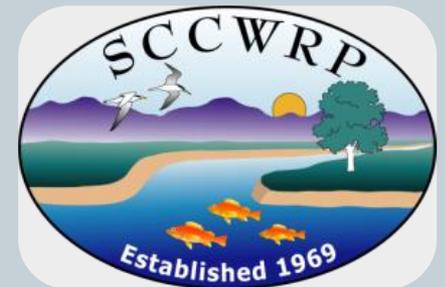
- 💧 *Water Resources – Muzaffar Eusuff*
- 💧 *Water Boards – Leslie Laudon*
- 💧 *Fish and Wildlife – Adam Ballard*
- 💧 *Delta Conservancy – Shakoora Azimi-Gaylon*
- 💧 *Delta Council – Rainer Hoenicke*

Tracking Extent and Distribution of Wetlands and Streams in CA

CHRISTOPHER POTTER
CALIFORNIA NATURAL RESOURCES AGENCY



Funded by USEPA



How Did We Get Here?



1993 California Wetlands Conservation Policy

- established a policy framework and strategy for **no overall net loss** of wetland acreage

1998 State of the State's Wetlands Report

- demonstrated that questions of wetland **extent and distribution** were hard to answer with **existing data**

2010 State of the State's Wetlands Report

- also encountered similar difficulties but made **recommendations to address the issues**

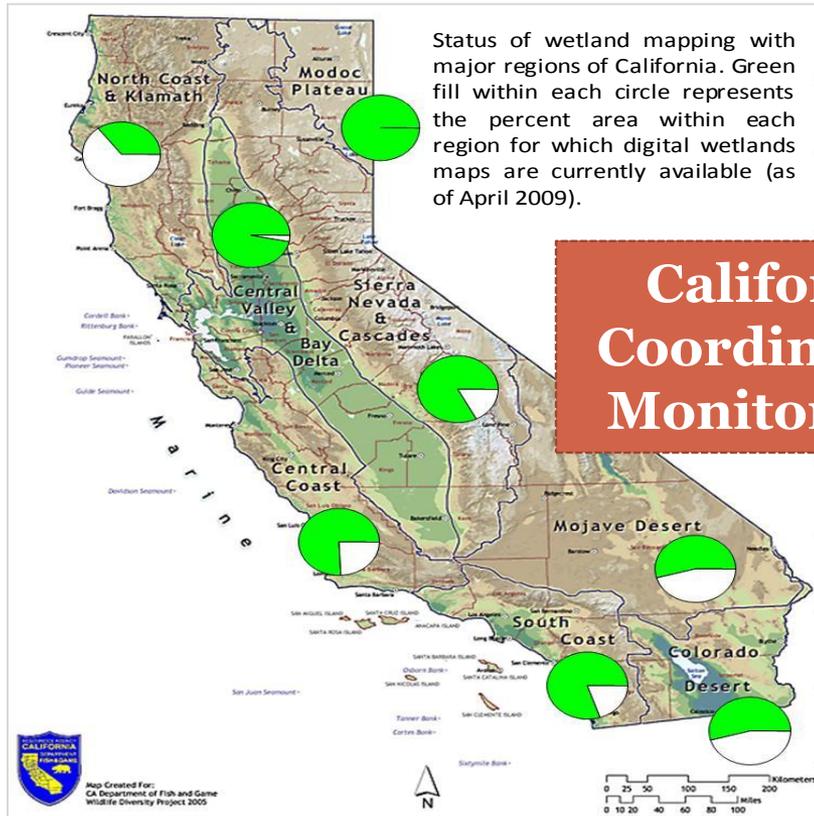
NATURAL RESOURCES AGENCY
STATE OF CALIFORNIA

STATE OF THE STATE'S WETLANDS

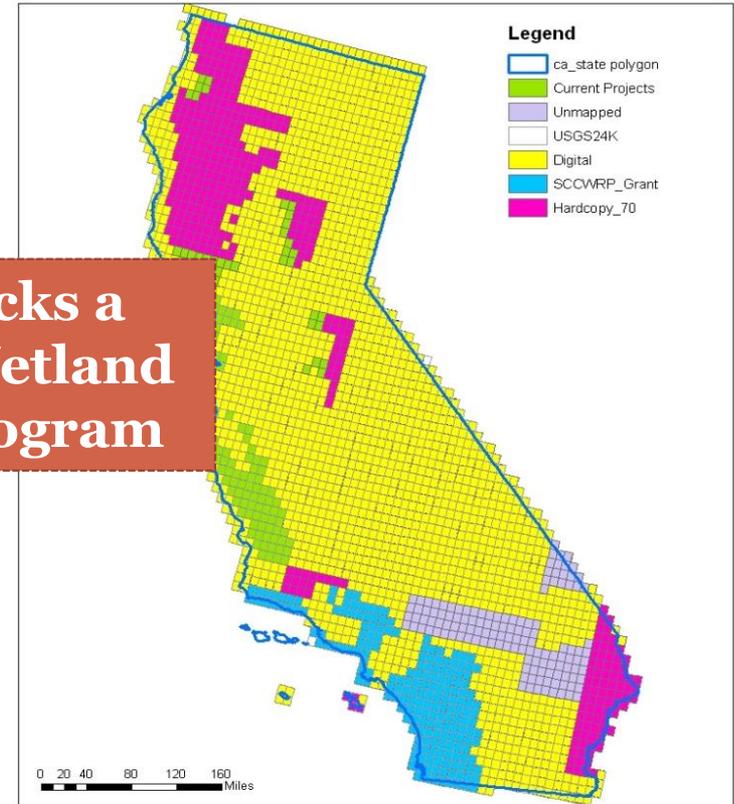
10 YEARS OF CHALLENGES AND PROGRESS



How Much Wetlands are in CA?



California Lacks a Coordinated Wetland Monitoring Program



Wetland inventory covers approximately 80% of the State
Inventory is patchwork of base imagery dates (1980s or better) and resolution
Status and Trends assessment is difficult to accomplish statewide

What are the alternatives?



- Come up with additional funds for mapping
- Accounting of permits and restoration
 - Does not include natural changes, illegal or exempt activities, etc.
 - Requires remote or field validation
- Probability-based sampling
 - Capable of capturing all sources of change
 - Does not result in a comprehensive map
- All options (and more) should be part of an overall strategy that includes state, regional, and local data

Long Term Goals



- Provide scientifically defensible **estimate of statewide extent and distribution of wetlands**
- **Track changes** in wetland extent and distribution over time
 - Relate changes to various management programs/efforts
- Provide sample frame for future condition assessment
- Make data/information readily available via web-based services for **many programs to use and build on**

Advantages for California



- Ability to report on wetland, stream, and other water body extent, distribution, and trends
- Sample frame for probabilistic condition analysis for resources where comprehensive mapping is unavailable (e.g. things other than streams)
- Platform for identifying priority areas for intensified investigations of extent or condition
- Starting point for additional analysis to address specific management questions

California's Mapping Strategy

Statewide,
Probability-
based S&T

Intensive,
Regional Maps

Permit and
Restoration
Accounting

Statewide,
Comprehensive
Mapping

Overall
Strategy

Bayfront F
Basic Info

Sta
Project Type
Project Area 0.3 acres

Project Identification ?

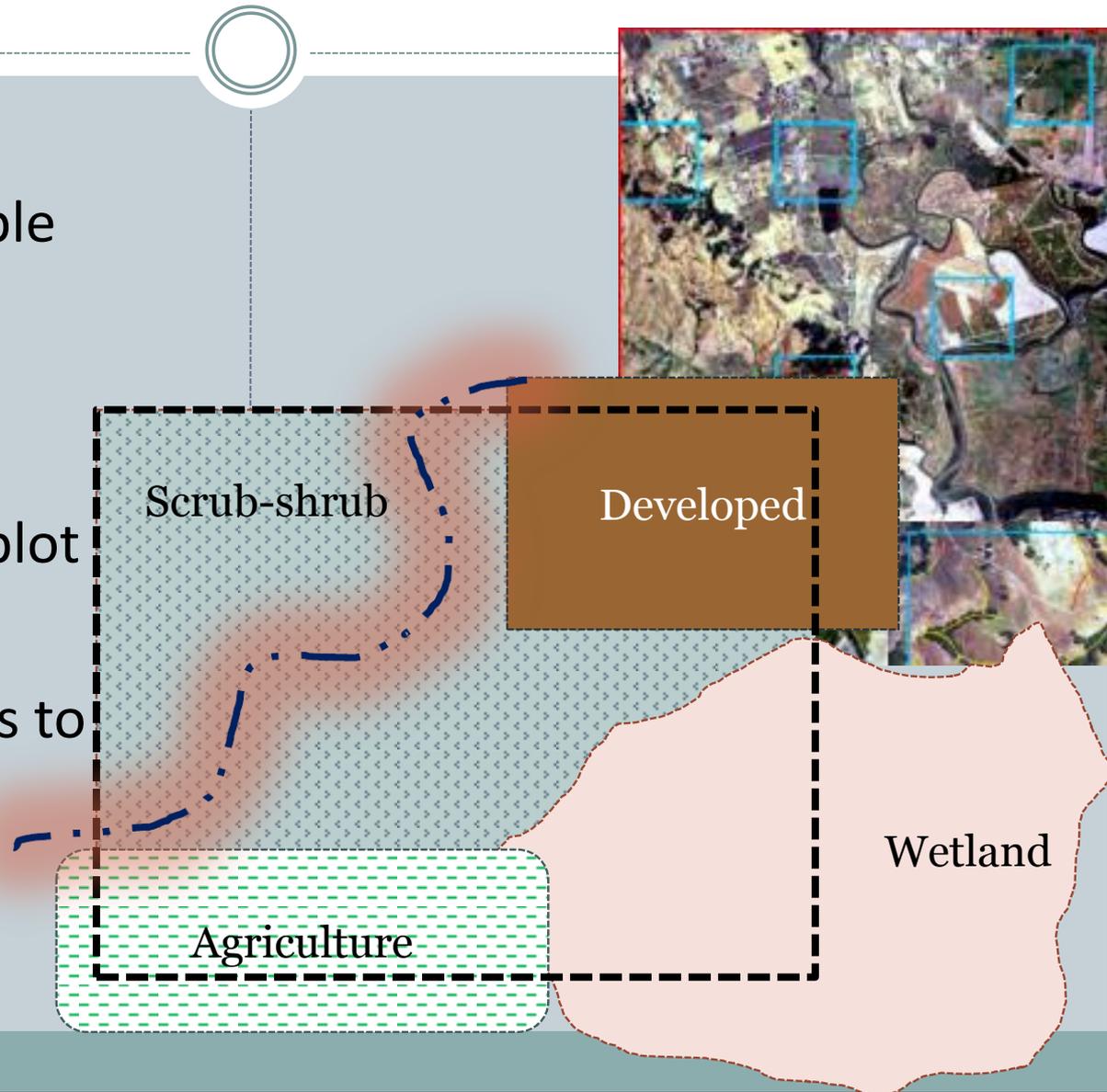
ID	Type
02-21-C0675	RWQCB - 401 Certification Letter Site Number
1600-2007-0260-3	CDFG - Fisheries Restoration Grant
2007-400538N	USACE - File Number
M98-60	BCDC - Record Number

Habitat Plan ?

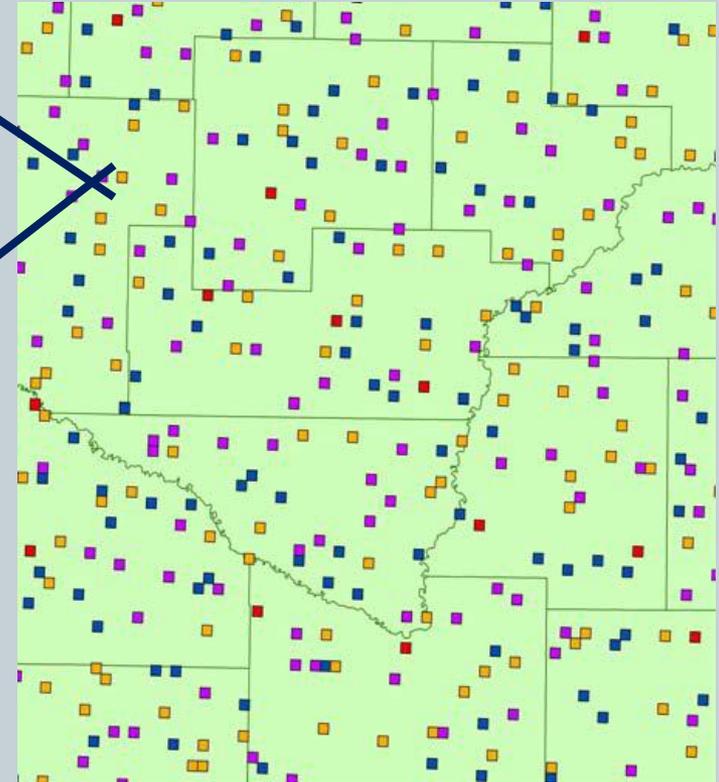
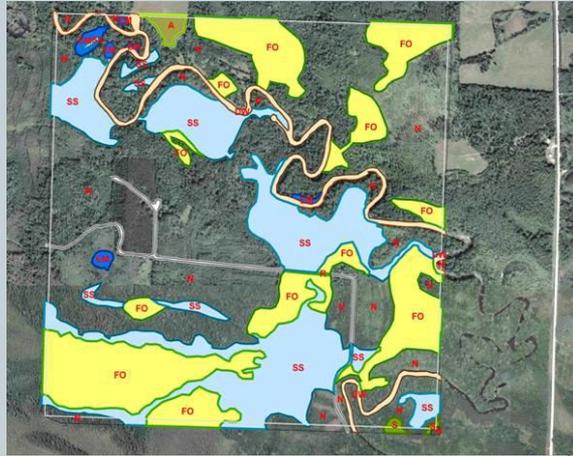
Habitat	Activity	Acres	Source
Estuarine wetlands	Created,Enhanced	0.3	Tracker Form

How does Probability-based Mapping work?

- Randomly place sample plots
- Map all wetlands and streams within each plot
- Use the sampled plots to statistically estimate statewide extent



Leveraging Opportunities



- Regional context for detailed studies
- Landscape change analysis
- General habitat mapping
- Suitable or critical habitat
- Species occurrences
- Invasive species
- Other applications?

Thank You



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