

Making the Most of Our Knowledge

The San Francisco Bay Area Conservation Commons Project

Deanne DiPietro
Sonoma Ecology Center

More than the sum of its parts

Research

Restoration

Local
Stewardship

K-12

Conservation
Planning

Land
Management

jc

Jaci Clark Photography

A dramatic sky with large, golden-lit clouds against a dark blue background. The clouds are illuminated from below, creating a strong contrast and a sense of depth. The overall mood is contemplative and inspiring.

Imagine...

You are starting a project...

Found 85 results

Sort by:[Year][Title][Type][Author][Keyword]

2009

Christina Sloop Ph D . 2009. **Application of Molecular Techniques to Examine the C**
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framework. 2009 State of the Laguna Conference and Science Symposium. Abstract Download: Sloop_Watershed
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Lisa Hug, Christina Sloop . 2009. **Bird Inventory and Monitoring in the Laguna de Santa Rosa Winter & Spring 2004-05,**
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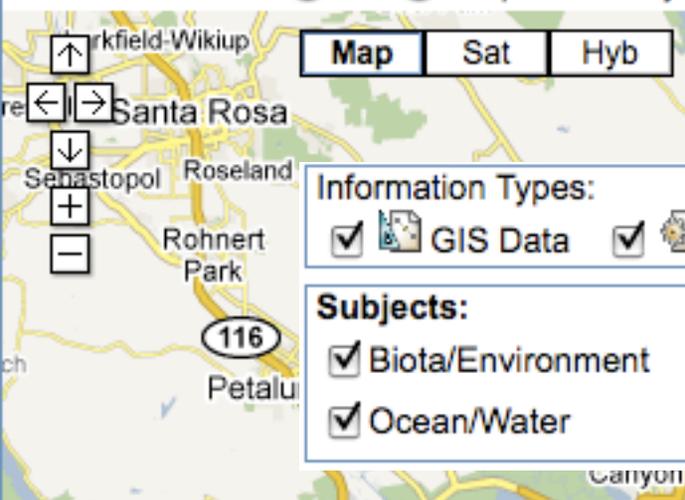
Arthur Dawson Historical Ecologist . 2009. **Back to the Future: Applying the Lessons of History to the Challenges of**
Climate Change. 2009 State of the Laguna Conference and Science Symposium. Abstract

Davis Grant . 2009. **Climate Change Adaptation In the Laguna de Santa Rosa.** 2009 State of the Laguna Conference
and Science Symposium. Abstract Download: Davis.ppt

- You search your own org's knowledge base and find data and reports from past projects

Laguna Watershed
Knowledge Base

Location Search: All Map Area Only



Information Types:

GIS Data Projects Other

Subjects:

Biota/Environment Agriculture
 Ocean/Water Society/Infrastructure

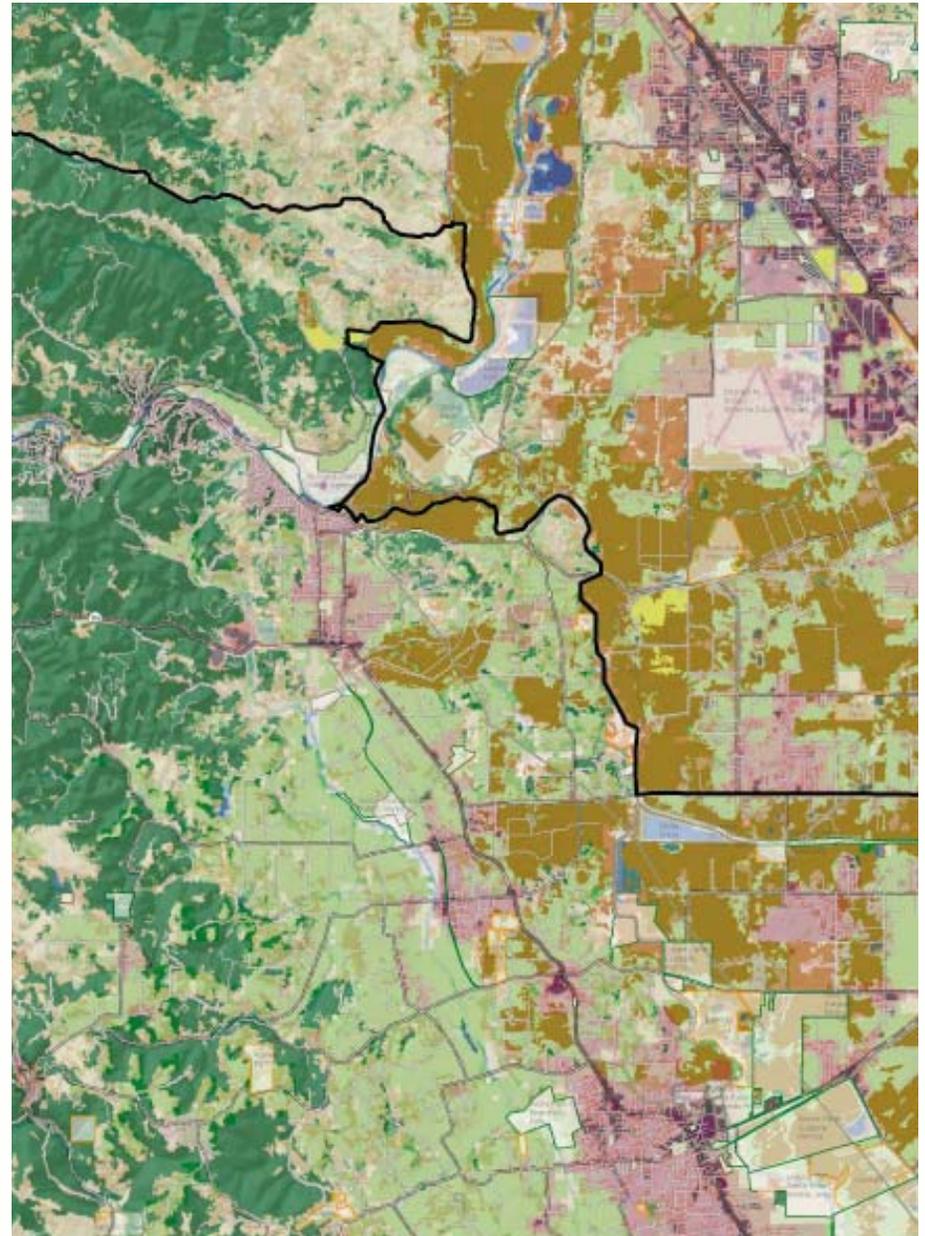
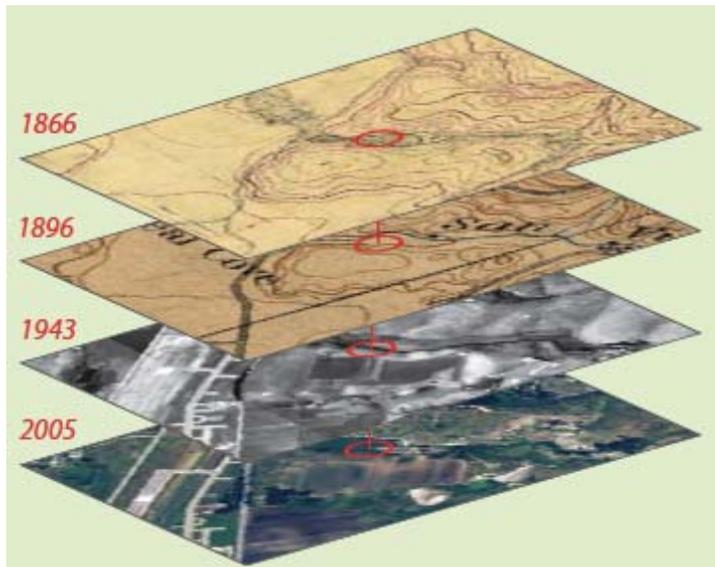
- [Northbay/WatershedAssoc - Petaluma Watershed \(project\)](#)
- [Northbay/WatershedAssoc - Petaluma Watershed \(project\)](#)
- [Northbay/WatershedAssoc - Sonoma Creek Monit](#)
- [Northbay/WatershedAssoc - Erosion/Sediment Co](#)
- [KRISEastMarinSonoma - 1996-1997 water tempe \(document\)](#)
- [KRISEastMarinSonoma - Adobe Creek aka Casa Grande Creek July 1968 \(document\)](#)
- [KRISEastMarinSonoma - Adobe Creek Sonoma Creek tributary t](#)
- [KRISEastMarinSonoma - Another toxic fish kill at Pacheco Pond](#)
- [KRISEastMarinSonoma - Another unnamed tributary to Petaluma](#)
- [KRISEastMarinSonoma - A pollution study of Petaluma Creek Co](#)
- [KRISEastMarinSonoma - Aquatic Insects: ACM Spring 2005, Pe](#)

- From one entry-point, you easily find related data and information from other orgs
- You can download a lot of it, and there's metadata

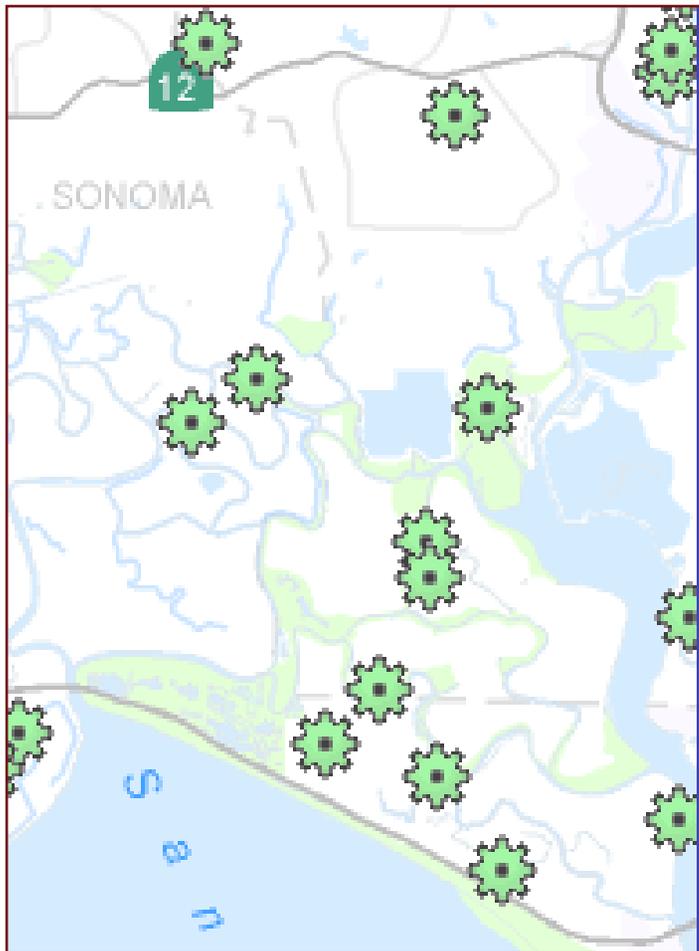
CIEC search result for North Bay

... you overlay spatial data from several sources and create a quick map

(even though you don't have GIS software)



SCAPOSD's land use/protected area map



- [North Bay Wetlands Protection Program - P...](#)
- [San Francisco Bay Trail Block Grant #2 - Sc...](#)
- [Adobe Creek Fish Barrier Removal \[SCC:06...](#)
- [Adobe Creek Fish Passage Project](#)
- [Adobe Creek Fish Ladder Project](#)
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- [Sonoma La...](#)
- [Sears Point](#)
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- [Petaluma R...](#)

... search for related projects, discover research underway that helps you

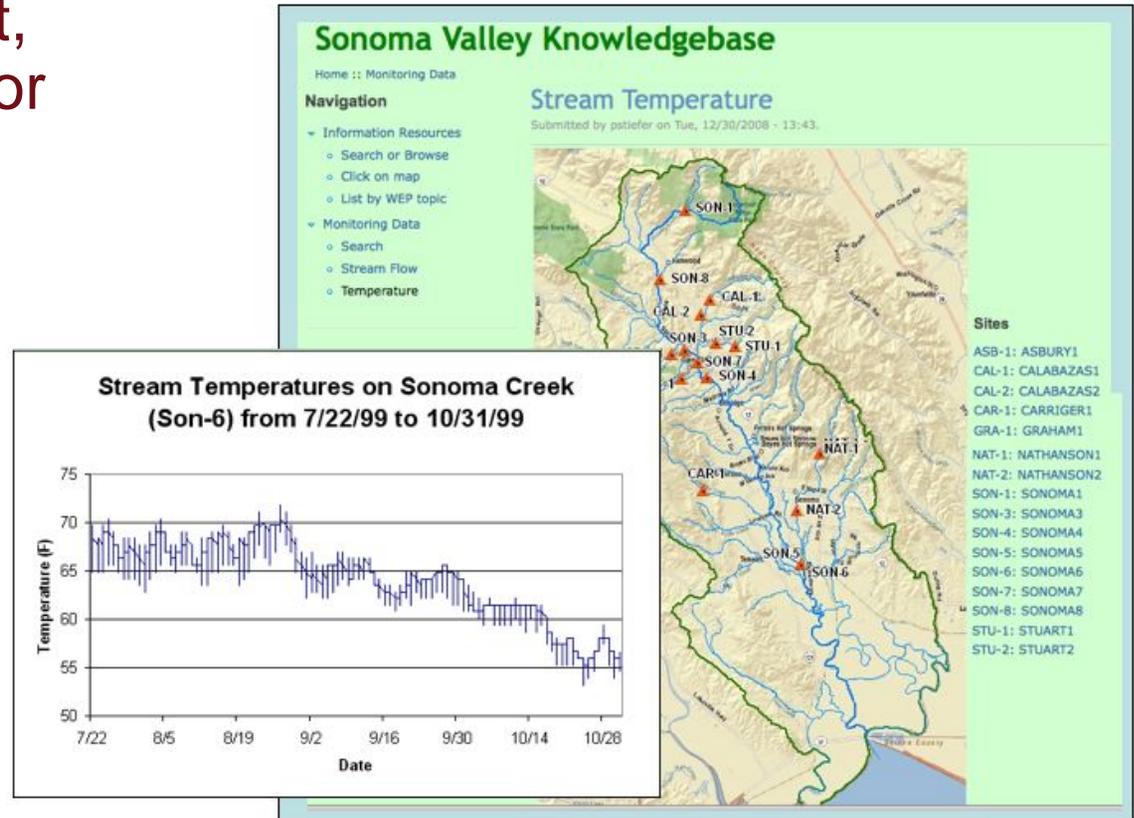
... collaborate with others for a multi-benefit project

You pool your resources and fill data gaps

NRPI geographic search

... find monitoring protocols for the data you need to collect, and a framework for adding it into the regional system

You get help in contributing the products of your work to the community



SEC's Knowledge Base, Monitoring Data module

Somewhere, someone is starting a project....



What is a Conservation Commons?

- An effort dedicated to making environmental information more accessible and useful for conservation purposes
- A community that shares conservation information
- An online environment for information management, and commonly-needed services built by and for the community it serves



The Principles of the Conservation Commons

Open Access: Promotes free and open access to data, information and knowledge for conservation purposes.

Mutual Benefit: Participants are encouraged to both use resources and contribute data, information and knowledge.

Rights and Responsibilities: Contributors have a right to attribution and the right to ensure that the original integrity of their contribution to the Commons is preserved



3 reasons to build a Conservation Commons for our region

- Leverage our collective knowledge
- Build collaborative solutions
- Respond more effectively to environmental management challenges

SF Commons Collaborators

- Sonoma Ecology Center
- San Francisco Estuary Institute
- San Francisco Bay Joint Venture
- Ducks Unlimited
- PRBO Conservation Science
- Bay Area Open Space Council
- UC Ag. Extension, Hopland
- Bodega Marine Lab
- UCD Information Center for the Environment
- CERES

SF Commons Services: Assistance to Organizations

- Tools for in-house information management (knowledge bases)
- Automated publishing of selected content to the Commons
- Training and Support

An Introduction to the Historical Ecology of the Sonoma Creek Watershed
Submitted by pstefar on Tue, 08/26/2008 - 14:35.
in Hydrology, Documents, Sonoma Creek Watershed (all)

▼ Citation Info
Authors: Arthur Dawson; Micha Salomon; Alison Whipple; Robin Grossinger
Publication Date: 2008
Publisher: Sonoma Ecology Center, Sonoma CA; San Francisco Estuary Institute

▼ Extended Info
Abstract:
This publication is intended as an introduction to how historical ecology can help us understand current conditions and develop strategies for environmental recovery. The Sonoma Creek watershed has experienced substantial physical and ecological change due to development. Understanding this history can help identify opportunities to restore natural wetlands and stream channels in the watershed. The highlighted opportunity is Sonoma Creek watershed participation in the Critical Coastal Areas (CCA) Program.

Sonoma Valley Knowledge Base

AN INTRODUCTION TO THE HISTORICAL ECOLOGY OF THE SONOMA CREEK WATERSHED
A tool for developing an action plan for the Critical Coastal Areas program

Scattered throughout local and regional archives, historical information represents a valuable and often untapped resource for watershed management. Can an understanding of the historical landscape help us guide future landscape modifications? Can this understanding help re-establish former habitats and ecosystem function? How did natural and cultural processes create the historic ecosystems that still persists as fragments in the current landscape?

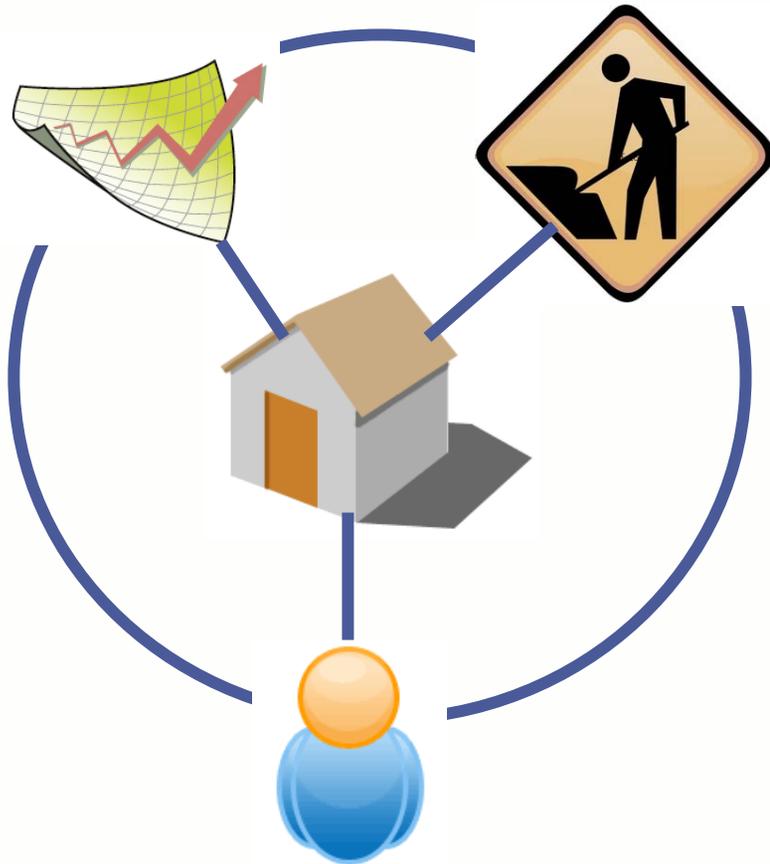
This publication is intended as an introduction to how historical ecology can help local residents and resource managers understand current conditions and develop strategies for environmental recovery in the Sonoma Creek watershed. The watershed has experienced substantial physical and ecological change due to the history of human activity and development. Understanding this history can help identify opportunities to restore natural watershed function within the contemporary landscape. This document highlights areas of interest for potential restoration including historical freshwater wetlands and stream channels in the watershed. The highlighted opportunity areas will guide the stakeholders of the Sonoma Creek watershed participating in the Critical Coastal Areas (CCA) Program pilot study to identify and prioritize actions that will improve watershed health. The CCA Program seeks to improve water quality along the California coast through the implementation of management measures to reduce the effects of diffuse sources of pollution such as urban and agricultural runoff.

For more information on the CCA program, please visit: <http://www.coastal.ca.gov/ccp/cca.asp.html>

Authors: Arthur Dawson, Micha Salomon, Alison Whipple, and Robin Grossinger
Design and Layout: Ruth Salomon and Micha Salomon. Thanks to: Art Risoli!
Funding for this project has been provided in full or in part through an agreement with the State Water Resources Control Board, our state member of public bodies or commercial products constitute endorsement or recommendation for use.
May 2008

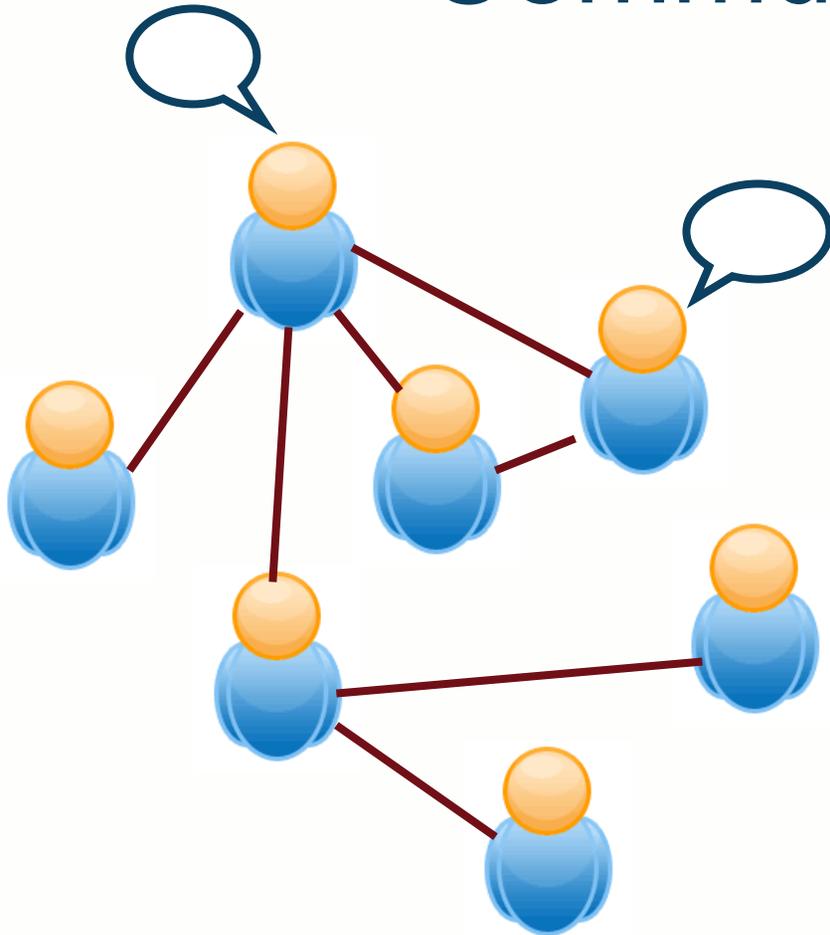
SF Commons Information Management Training

SF Commons Services: Data Sharing Framework



- Regional catalogs
- Search and discovery
- Semantic linkages (PPOD)
- Hosting services, data viewers
- Standards and protocols

SF Commons Services: Community-building



- Communication tools (forums, listservs, blogs)
- Workshops & support groups

Solutions for more open access

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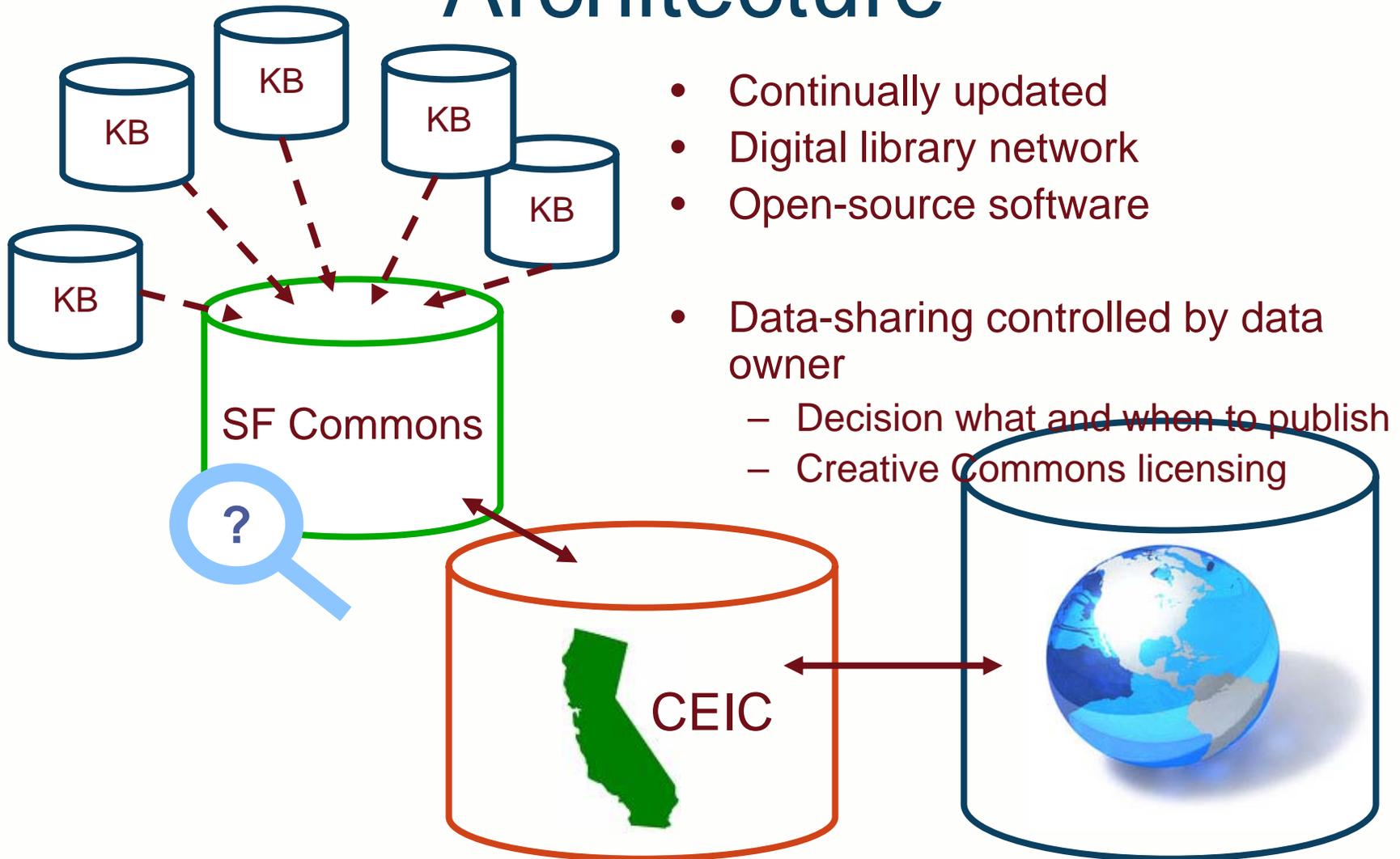
URL: <http://repositories.cdlib.org/jmie/sfews/>

San Francisco Estuary and Watershed Science is an open access, peer-reviewed journal that publishes research about the science and resource management of San Francisco Bay, the Sacramento-San Joaquin River Delta, and the upstream watersheds. The journal is published jointly by the CALFED Science Program, the California Digital Library eScholarship Repository, and the University of California, Davis John Muir Institute of the Environment.

There are five main objectives for *San Francisco Estuary and Watershed Science*:

1. To provide timely, Internet-based communication of peer-reviewed results of basic and applied research, as well as reviews and syntheses of information, principles, conclusions, and interpretations on key regional issues that specifically add to our understanding of the Bay-Delta estuary, its watershed and adjacent coastal ocean, and the management of their resources.

Based on a Distributed, Open Architecture



Status of Effort

- Technical and Steering Committees
- Developed a project description standard
- Some prototyping
- Conducted three training workshops
- *Ready to begin larger effort*

How to Get Involved

sfcommons.org



San Francisco Bay Area Conservation Commons

Navigation

- North Bay Commons Pilot
- How to Participate
- Training
- Standards

Welcome to the SF Commons

The Project

The San Francisco Bay Area Conservation Commons is an effort dedicated to making our region's environmental information more accessible and useful for such purposes as climate change research, regional conservation planning, and local stewardship. We believe that by bringing our information together, cooperating to develop commonly-needed tools, and supporting an actively involved community, we can better leverage our collective knowledge toward collaborative solutions and respond more effectively to environmental challenges of the present and future.

The Partnership

The San Francisco Bay Area Conservation Commons is a regional multi-organizational partnership. We endorse the **Principles of the Conservation Commons**, offer training in data management and sharing, and collaborate on developing the technology and content of the Conservation Commons. Participation in the SF Commons is open to everyone. The San Francisco Bay Area Conservation Commons coordinates with other groups promoting standards and practices for open data networking, such as the California Resources Agency's CERES Program and Natural Resource

- Take our survey!
- Be a test-user
- Share your data
- Participate in development
- Help fund the Commons



Funding needed for development,
training, support!

Supporters to date

- Army Corp. of Engineers
- Sonoma County Water Agency
- State Water Resources Control Board
- Federal Geographic Data Committee
- Gerbode Foundation



Be part of the solution....

Share your data!