California Estuary Portal Review

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General Comments

- Replace mywaterquality.com with californiaestuariesportal.com
- Add text to clarify that currently the portal is mostly focused on the San Francisco Estuary and Sacramento-San Joaquin Delta, with efforts to expand the portal to all California Estuaries.
- Add descriptive content where applicable
- From homepage Regional Data and Explore Data link to the same place

Homepage Comments

- Add link to orange box on homepage “Explore California’s Estuaries with stories, maps, and data.”
- Add navigation dropdown menu to homepage
- Suggestions to change title “Popular topic”
- Homepage does not showcase all information available on the portal
- Would like Data links from the homepage

Navigation Comments

- Have homepage navigation match dropdown menu navigation
- Some difficulty returning to previous page
- More internal links between pages (Ex. Monitoring Overview link to examples discussed in text)
- Not intuitive that you can click on items in the dropdown menu for navigation

Estuary Pages Comments

- Add in minor estuaries
- Clean up titles View all Estuaries vs. California's Largest Estuaries, make sure title is accurate
- There are 2 projects, possible to combine the information from the 2 estuary overview pages?

What is a TMDL?

- Some notes on descriptive content to add
- Add in Read More / Read Less Option to decrease length
- Add more links to the TMDL projects
- Not a comprehensive list of TMDL’s in California’s Estuaries

Estuary Laws, Regulations and Standards

- Edit overview content with less SF Estuary focus
- Suggestions for additional content to add

Management Tools

- Duplication of information between Management Tools: Hydrology/ Flows and Hydrology in the San Francisco Estuary as well as Management Tools: Water Quality and Water Quality in the San Francisco Estuary
- Add historic data to X2
- Add additional reservoirs to Reservoirs Tab
- Some slow load time on pages due to the amount of data
- Add description of goal/purpose of Management Tools dashboards

Look and Feel Comments

- Add “Read More / Read Less” Options when article text is long
- Increase paragraph font size
- Decrease image size within articles, for less scrolling
- Map legend can be difficult to find below map (on smaller screens it does not show up below the map without scrolling
- Verify that map legends match map content

SF Estuary Pages (all parameters)

- Review Reporting requirements to ensure that map view changes where appropriate
- Lack of data from non-EMP Programs
- Some bird images of poor quality
- Large legend on Fisheries Monitoring

AB 1755 Slides

US Fish and Wildlife Service

Delta Juvenile Fish Monitoring Program

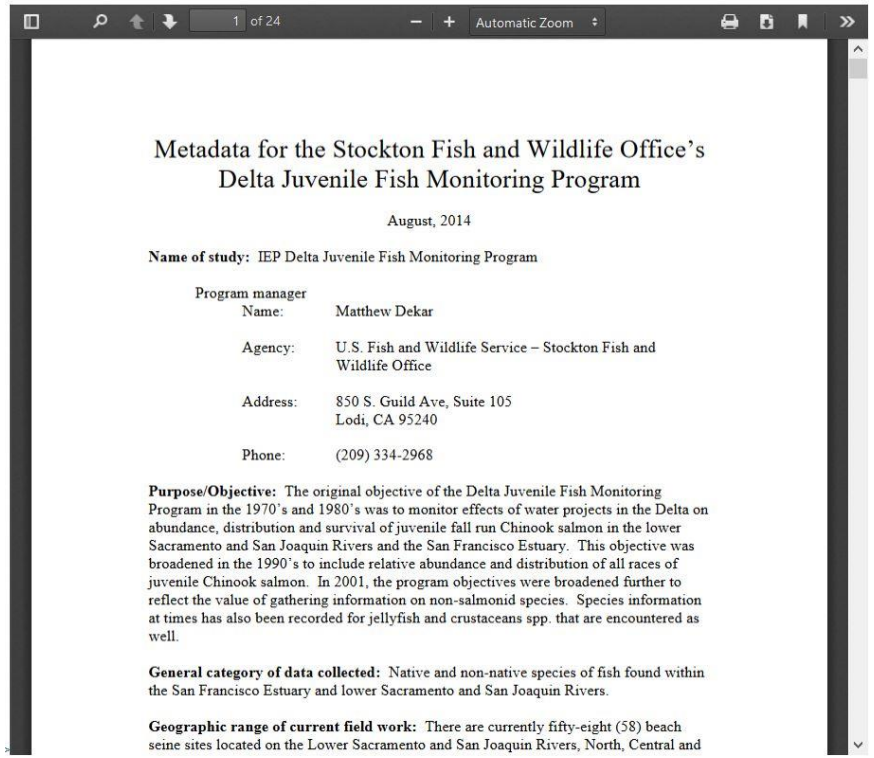
Fisheries

This survey provides status and trends information on fishes occurring within unobstructed littoral habitats. Currently, this survey is the only long-term IEP littoral fish survey occurring throughout the lower Sacramento and San Joaquin rivers and Delta. Data generated from this survey have informed research or management decisions (e.g. Biological Opinions) on fish assemblage structure, invasive species, and the ecology and status of Sacramento Splittail within the Delta and lower rivers. As a result, these data may be highly valuable, when coupled with other IEP surveys, in the assessment of factors influencing fish assemblages or determining the relative importance of inter-specific interactions on fishes of management concern within the Estuary.

2x pdf

Metadata

Data Management Plan


1 of 24 Automatic Zoom

Metadata for the Stockton Fish and Wildlife Office's Delta Juvenile Fish Monitoring Program

August, 2014

Name of study: IEP Delta Juvenile Fish Monitoring Program

Program manager
Name: Matthew Dekar

Agency: U.S. Fish and Wildlife Service – Stockton Fish and Wildlife Office

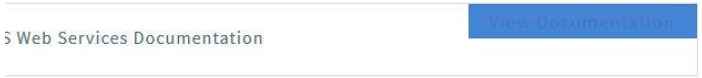
Address: 850 S. Guild Ave, Suite 105
Lodi, CA 95240

Phone: (209) 334-2968

Purpose/Objective: The original objective of the Delta Juvenile Fish Monitoring Program in the 1970's and 1980's was to monitor effects of water projects in the Delta on abundance, distribution and survival of juvenile fall run Chinook salmon in the lower Sacramento and San Joaquin Rivers and the San Francisco Estuary. This objective was broadened in the 1990's to include relative abundance and distribution of all races of juvenile Chinook salmon. In 2001, the program objectives were broadened further to reflect the value of gathering information on non-salmonid species. Species information at times has also been recorded for jellyfish and crustaceans spp. that are encountered as well.

General category of data collected: Native and non-native species of fish found within the San Francisco Estuary and lower Sacramento and San Joaquin Rivers.

Geographic range of current field work: There are currently fifty-eight (58) beach seine sites located on the Lower Sacramento and San Joaquin Rivers, North, Central and



Data Catalog Includes:

- Metadata Documentation
- Data Management Plans
- Data for Download, machine readable format
- Links to web services documentation

Ca Department of Water Resources Environmental Monitoring Program

IEP Environmental Monitoring Program Phytoplankton

Aquatic Organisms

The phytoplankton monitoring program is one element of DWR's and USBR's Bay-Delta Monitoring and Analysis Section (EMP) conducted under the Interagency Ecological Program (IEP) umbrella. The EMP also includes monitoring of water quality, zooplankton, and benthic organisms. The overall objective of the phytoplankton monitoring program is to determine the impacts of water project operations on the estuary. These impacts are interpreted by changes in phytoplankton diversity, abundance, and distribution associated with physical and other biological factors in the estuary.

1x csv 1x pdf

Metadata

↓	Phytoplankton Algal Type Data (1975-2016)	Download

Ca Department of Water Resources Environmental Monitoring Program

IEP Environmental Monitoring Program Zooplankton

Aquatic Organisms

The zooplankton monitoring program is one element of the Environmental Monitoring Program (EMP) conducted under the Interagency Ecological Program (IEP) umbrella. The EMP also includes monitoring of water quality, benthos, and phytoplankton. Mysid shrimp and zooplankton are important food organisms for larval, juvenile, and small fishes, including delta smelt, juvenile salmon, striped bass, and small splittail. Initiated to investigate the population trends of pelagic organisms consumed by young striped bass, the original Neomysis-Zooplankton Project sought to determine the annual and seasonal population levels of Neomysis mercedis, other mysids, and various zooplankton taxa in order to assess the size of the food resource for fishes. The study also seeks to detect the presence of exotic species recently introduced to the estuary, to monitor the distribution and abundance of these exotics, and to determine their impacts on native species.

3x csv 1x pdf

Metadata

↓	Zooplankton CB Net Matrix Period of Record 1979-2016	Download
↓	Zooplankton Pump Matrix Period of Record 1979-2016	Download
↓	Zooplankton Mysid Net Matrix Period of Record 1979-2016	Download

PHYTOPLANKTON IN THE SAN FRANCISCO ESTUARY

Phytoplankton in the San Francisco Estuary

Tools

What Are Phytoplankton? | Phytoplankton Monitoring | Reporting Requirements | Explore Phytoplankton Data | Download Data And Metadata

Data and Metadata tabs associated with each project dashboard. Data can be downloaded from this page and extensive metadata is available

DATE INTERVAL

Start Date
1975-01-07

End Date
2016-12-13

Duration
-- --

Go!

Map It ☑

Algal Type
--

Station Id i
--

Status
--- all ---

Go!

Explore Phytoplankton Data

EMP Phytolankton Stations Legend ● Active Phytolankton Stations X Historic Phytolankton Stations

Partner Data

PARTNER DATA

Explore Data from the San Francisco and Sacramento-San Joaquin Bay Delta

The Estuary Workgroup has worked with state and federal partners to develop data access and visualization tools for accessing data from several key monitoring programs in the San Francisco Bay-Delta Estuary.

- Hydrology
- Water Quality
- Phytoplankton
- Benthic Organisims
- Zooplankton
- Fish
- Birds

Data Discovery:
Use this map interface to discover data by parameter of interest. As data is added to the site for other regions it will be discoverable here. Allowing user to easily search for data that fits their interests

Requested Feedback

- Any red flag items that might affect the portals launch?
- Any other general feedback?
- Does the Council approve the portals launch (March 5, 2018)?