



Humboldt Bay Water Control Structure Inventory



Background:

- The objective of this project was to develop a GIS database containing spatial data for all tidegates, culverts, and other water control structures surrounding Humboldt Bay.
- This information was considered important by the community for the development of a strategic approach to estuarine restoration, and for the development of improved management strategies for operation, replacement, or modification of the structures where needed. The information was also considered critical in planning for protection of property and habitats in the event of an oil spill.

Project Results:

- We obtained location and other information for 371 individual water control structures, including tidegates, culverts, flash board structures, and standpipes within low-elevation areas of Humboldt Bay watersheds. Some of these structures were in existing databases, but approximately half of them were previously unrecorded in any database.
- These data include many attributes describing condition of the structures, as well as their function related to fish passage. We obtained photographs for 165 of the structures, which further enhanced the descriptive information provided in the database.



Final Products:

- A [final report](#) was issued upon completion of the project.
- The data has been made available with the help of California Department of Fish and Game on their "CalFish" internet mapserver website at: <http://imaps.dfg.ca.gov/viewers/calfish/app.asp?zoomtoBookmark=1079>
- The data are also available in an [ESRI shapefile format](#) for GIS users.
- A [Microsoft Powerpoint runtime presentation](#) about the project is available at

Summary:

- Through cooperative work with other landowners, we hope to maintain and update the database to keep it current. If you want to contribute additional information for the database, you can fill out and submit the [data update form](#).
- Funding was provided by California Department of Fish and Game and the Humboldt Bay Harbor Recreation and Conservation District.