INTRODUCTION
The California Habitat Restoration Project Database (CHRPD) is a cooperative project involving the California Department of Fish and Wildlife (CDFW) and NOAA Fisheries. Initiated in 1999, the CHRPD captures and manages data about anadromous habitat restoration projects with an emphasis on detailed project cost data. The database includes a georeferenced location for each project, allowing the data to be easily viewed in a geographical format.

The database includes habitat improvement, watershed assessment and planning, monitoring, land and water right acquisition, watershed organization support, education, and hatchery projects (including trapping, spawning, rearing, and releasing salmonids).

The CHRPD is intended to be a comprehensive repository for anadromous stream restoration projects throughout California. Data are sought from any agencies and organizations that have funded or carried out restoration work in the state.

DATA DISTRIBUTION
Intended for use by the general public. To be distributed primarily via a web-based query system, but also on CDs or as customized datasets. Maps will be available on the web and as custom products. A partial dataset can currently be viewed at http://www.streamnet.org.

DATA CATEGORIES
- Data source
- Beginning and ending years of project
- References (any published or unpublished documents relating to the project)
- Purpose
- Final analysis and final report
- Participants (including type of participation, monetary contribution and contact)
- Funding sources (and amounts requested and approved)
- Location data:
  - Work site type
  - Land cover and land use
  - Type of work
  - Goals
  - Treatment details
  - Monitoring
  - Land ownership
  - Work site type
- Species affected
- Detailed project costs (individual items from both projected and actual budgets)
- Metrics of project extent

DATABASE STRUCTURE
The CHRPD is based on the StreamNet Data Exchange Format (Version 2001.1, http://www.streamnet.org). New tables have been added to accommodate specific needs for data collection in California, including final report information, watershed planning data, proposed and approved funding, and detailed budget costs.

REFERENCE FILES
Original documents for each of the projects included in the database will be maintained in a library. Reference files include all unpublished documents accumulated by contractors or funding agencies, as well as any published papers relating to the project. Each paper or set of documents is assigned a reference identification number to ensure that they can be easily found.

DATA QUALITY
The quality of the data in the CHRPD will vary depending on its source. Issues encountered include different amounts of detail in project costs reporting and varying degrees of accuracy in project location descriptions.

DATA SOURCES
- California Department of Fish and Wildlife, Fisheries Restoration Grants Program (1981 to the present)
- National Fish and Wildlife Foundation (1997 to the present)
- California Coastal Conservancy (in progress)
- NOAA Restoration Center (1996 to the present)
- Cantara Trustee Council (1997 to the present)
- Data from other sources are being investigated.

GEOGRAPHICAL INFORMATION
Each point is assigned a spatial location. The majority of these consist of locations (points and lines) along stream reaches, which tie the in-stream projects to 1:100,000 California hydrography. Polygons and non-stream points and lines are also digitized.

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