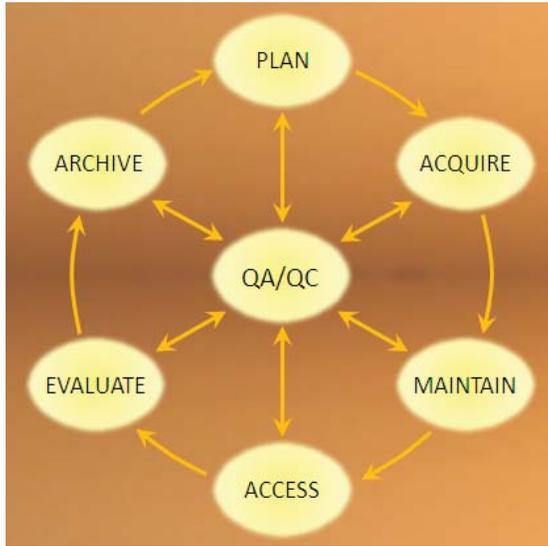


## The Data Life Cycle



The Data Life Cycle is a formal process consisting of steps that, when followed consistently, will result in accurate, standardized, shareable data for our work, and our customers.

## Compliance

The federal government has implemented numerous regulations and directives concerning data management with the intent to promote efficient use and preservation of data important to the Nation. The CVPIA DMP will be in full compliance.

### Significant federal regulations are:

- Executive Order 12906:  
Coordinating Geographic Data Access
- Public Law 104-231:  
Freedom of Information Act (FOIA)  
  
Public Law 105-277: Data Access Law
- Public Law 106-554 Section 515:  
Data Quality Act
- OMB Circulars No. A-130 (Revised):  
Management of Federal Information
- Resources A-16 (Revised):  
Coordination of Geographic Information  
and Related Spatial Data Activities
- DOI Departmental Manual 378 DM-1  
(Sec 1.1A)

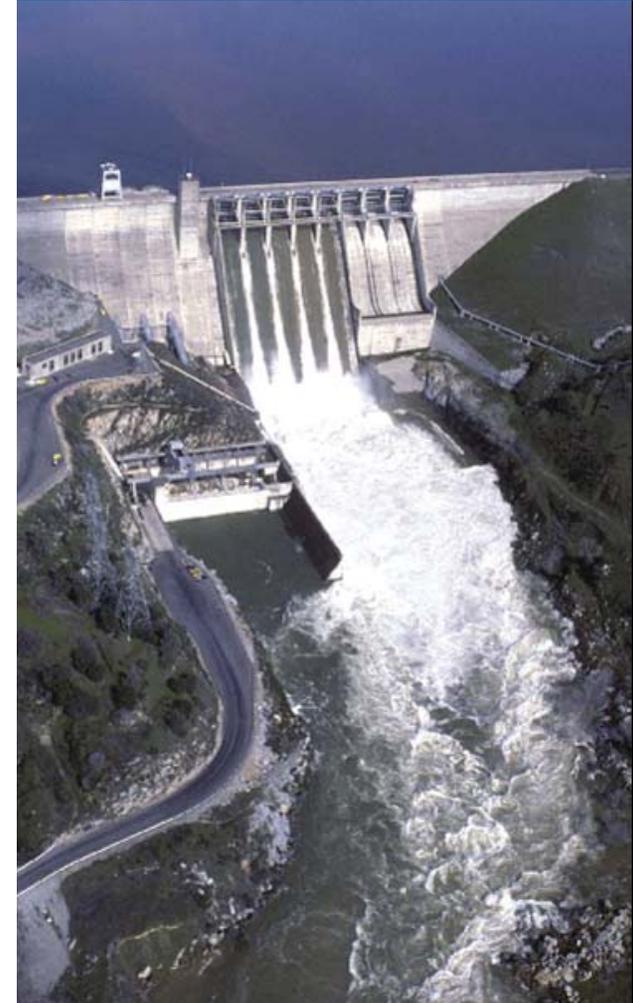
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# Central Valley Project Improvement Act (CVPIA)

## Data Management Program



Bureau of Reclamation  
Mid-Pacific Region  
Fish and Wildlife Service  
Pacific Southwest Region



## The Central Valley Project Improvement Act Program (CVPIA)

The CVPIA is an environmental restoration and water operations program for the federal Central Valley Project. CVPIA projects are performed jointly by the United States Bureau of Reclamation (USBR) and the United States Fish and Wildlife Service (USFWS) as well as numerous other partners.

Representative projects include anadromous fish restoration activities in the Central Valley and Trinity River basins, refuge water supply, habitat restoration, and land retirement.

One of CVPIA's primary goals is to achieve a reasonable balance among competing demands for use of Central Valley Project water, including the requirements of fish and wildlife, agriculture, municipalities, industry and power contractors. In order to plan and implement CVPIA activities the agencies and their partners rely on data and information about the past and current conditions of the Central Valley ecosystem.

The Data Management Program will focus on consolidating and standardizing all data related to the ecosystem. The Data Management Program defines data as collections of facts from which conclusions may be drawn. The proper management of data will support knowledge and understanding necessary to guide CVPIA implementation.

CVPIA activity managers are considered data stewards since they are the ones primarily responsible for properly collecting, processing, documenting, and protecting the diverse data sets used to make the critical decisions needed to reach the CVPIA Program goals. Program partners and contractors working on the activities are also considered data stewards.

### Purpose

The purpose of the CVPIA Data Management Program is to manage data as a resource available to all interested parties and to ensure the data have lasting value and utility for use by future generations.

### Objectives

The Data Management Program will serve as a steward of this resource, will exercise information resource management with special emphasis on the data life cycle, and will ensure the effective and economical management of the resource.



### Goals

The Data Management Program has 5 high priority goals that will be implemented to meet the objectives. The DMP will:

**Train** - The Program will provide Program Managers and Data Stewards at Reclamation and the Service with training on the legal and regulatory requirements of data management; the concepts of "Data Management" and "Data Lifecycle"; the concept and importance of "Metadata"; and how to use "Metadata" tools and develop "Metadata" files for all data that are important in the decision making processes of the CVPIA.

**Plan** - Develop a Data Management Plan for all of the CVPIA Program. The Plan will describe how data will be handled throughout and beyond the lifetime of the project.

**Support** - Develop metadata tools and support the development of metadata files. Create an online web portal for easy access to data and online tools for data analysis.

**Standardize** - Implement comprehensive data standards as defined by the Federal Geographic Data Committee (FGDC) and set by Federal laws and regulations.

**Organize** - Develop Standard Operating Procedures for each phase of the Data Life Cycle. Create links to legacy data via the web portal. Establish a node of the National Biological Information Infrastructure network containing CVPIA data.