

RECLAMATION

Managing Water in the West

Safety of Dams Project

Mormon Island Auxiliary Dam (MIAD)

NATURAL RESOURCES

**Public Meetings -
December 16 and 17, 2008**



U.S. Department of the Interior
Bureau of Reclamation

Natural Resources: Legal Context

Some of the laws that address natural resources:

- **National Environmental Policy Act (NEPA)**
- **Endangered Species Act (ESA)**
- **Migratory Bird Act / Bald and Golden Eagle Protection Act**
- **Clean Water Act (CWA)**
- **Clean Air Act**
- **National Historic Preservation Act (NHPA)**

Natural Resources: NEPA

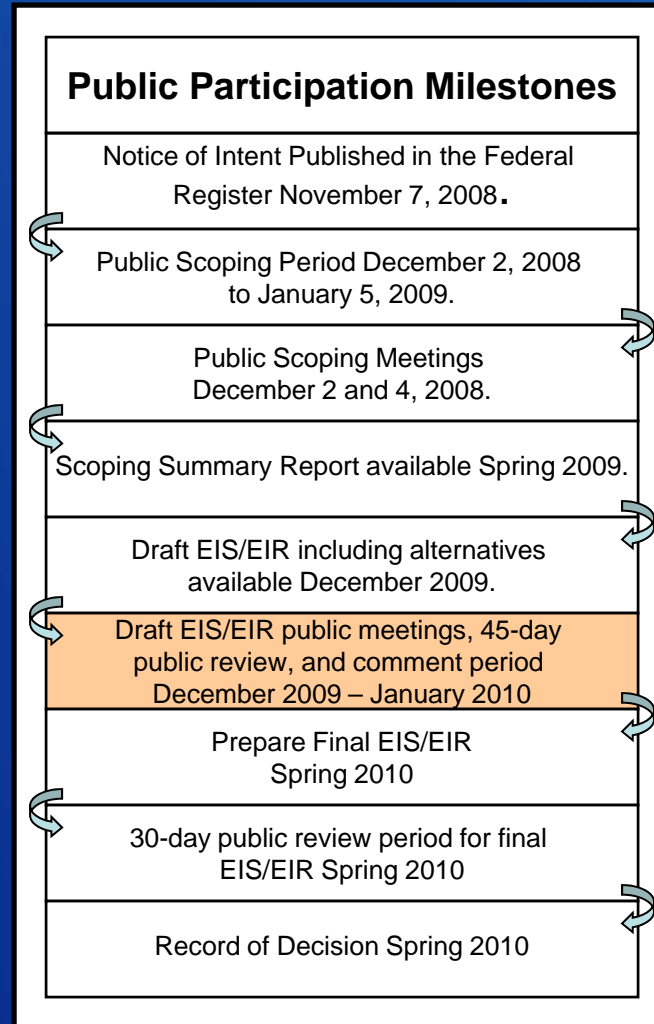
- Completed by Reclamation prior to committing Federal resources to a project
- Requires the Federal agency to analyze potential impacts to the 'human environment' caused by those actions
- Primarily a disclosure law

Project Website:

<http://www.usbr.gov/mp/jfp/index.html>

RECLAMATION

Timeline of NEPA Milestones



Opportunities for Public Involvement

- **Attend public meetings**
- **Join the mailing list**
- **Visit project website**
- **Submit comments on the MIAD Draft EIS/EIR**



Ranger Laura Trover with Campers on Bikes

Natural Resources: Endangered Species Act (ESA)

States that all **Federal agencies** shall ensure that any action they authorize, fund, or carry out is not likely to jeopardize the continued existence of an ESA listed species.....

**Illegal to Take, Harm, or Harass an
Endangered Species**

RECLAMATION

Natural Resources: Endangered Species

One potentially occurring endangered species is Valley Elderberry Longhorn Beetle (VELB)



Habitat: Elderberry Bush
Sambucus spp

Species: VELB or
Desmocerus californicus dimorphus



Copyright 2008 Wildlands, Inc.

RECLAMATION

Natural Resources: Endangered Species

Another potentially occurring habitat for endangered species are Vernal Pools. These wetlands form in regions where specialized soil and climatic conditions exist. Many of the species associated with vernal pools are endangered.



RECLAMATION

Natural Resources: Other Wildlife



Bobcat



Turkey



Western Rattlesnake



Pacific Tree Frog

A variety of wildlife utilizes the MIAD area including these amphibians, birds, mammals, and reptiles.

Natural Resources: Native Vegetation



Mature Grey Pine/
Oak Woodland occurs
near MIAD. A mature oak
is at least 20 years old.

Natural Resources: Wetlands



- Wetlands are areas where water covers or is near the surface of the soil throughout the entire year or for varying periods of time during the year.
- Wetlands are often characterized by a large diversity of vegetation and terrestrial and aquatic animals and insects.

RECLAMATION

Natural Resources: Other Nearby Habitats



Folsom Reservoir
Large reservoir home to
numerous species of fish



Lower American River
River system that serves as
prime spawning and wild
fish habitat

Natural Resources: Ground Water



The construction site at MIAD has a high ground-water table. Depending on the alternative chosen, an extensive dewatering system may be required during construction.

Natural Resources: Air Resources

- **Fugitive dust (PM2.5 & PM10)**
 - Very fine dust particles.
 - Becomes airborne as a result of construction activities.
- **Asbestos**
 - Group of silicate minerals of fibrous or asbestiform habit, which commonly occur in metamorphic rocks such as Serpentine.
 - Exposure to asbestos fibers has potential human health consequences.
- **Regulations & Restrictions**
 - The California Air Resources Board and local air pollution control districts have adopted regulations to protect air resources.



Asbestos bearing
Serpentine

Natural Resources: Contact

If you have questions or comments, please contact:

Mathew See
Natural Resource Specialist
Central California Area Office
Bureau of Reclamation
msee@usbr.gov or (916) 989-7198

For more information:
<http://www.usbr.gov/mp/jfp/index.html>

RECLAMATION