Matilija Dam Ecosystem Restoration Project

PROJECT OBJECTIVES
- Improve Aquatic and Terrestrial Habitat Along Matilija Creek and Ventura River
- Restore Natural Processes to Support Beach Sand Replenishment
- Enhance Recreational Opportunities
- Restore Fish Passage

Matilija Dam will be removed after the downstream project components are constructed.

**Approximate order of the plan components:**
1. Arundo Removal
2. Foster Park Wells
3. Santa Ana Bridge
4. Live Oak Levee
5. Desilting Basins
6. Robles Diversion Modification
7. Meiners Oaks Levee
8. Slurry Deposition Sites
9. Camino Cielo Bridge
10. Sediment Management

**Matilija Dam Project Components**
The 2004 Feasibility Plan will remove the dam and allow controlled release of sediment while protecting water supply and downstream property.

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**Matilija Dam**
- Now
- Artist rendition of Matilija Creek after dam removal

**Arundo donax Removal**
Restore riparian habitat by the removal of this invasive reed throughout the watershed.

**Robles Diversion Modification**
High flow bypass will flush sand, gravel, and boulders through the diversion during floods.

**Meiners Oaks Levee**
A new levee downstream of the Robles Diversion will protect residential community from increased flood risk.

**Desilting Basin**
Sediment settling basins will prevent fine sediments from entering Lake Casitas.

**Foster Park Wells**
Two new water wells to ensure water supply for the City of Ventura.

**Camino Cielo Bridge**
New bridge will accommodate increased sediment flow.

**Slurry Deposition Sites**
A pipeline will deliver 2 million cubic yards of fine sediment (silt and clay) from the Matilija Reservoir to temporary storage areas within the floodplain downstream of the Robles Diversion.

**Live Oak Levee**
Reconstruction will bring levee up to FEMA flood control standards.

**Santa Ana Bridge**
Widening will reduce floodplain constriction to accommodate increased sediment flow.

**Beach Replenishment**
Dam removal will allow sediment to move downstream to naturally replenish and protect beaches and coastal property.

**Sediment Management**
Dredge and slurry 2 million cubic yards of fine sediment and then excavate a ‘pilot channel’ upstream of the dam and temporarily stabilize remaining 4 million cubic yards of sediment (from fines to large boulders).

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