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

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

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

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

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

5. **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

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

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

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

9. **Desilting Basins**
   - Sediment settling basins will prevent fine sediments from entering Lake Casitas

10. **Matilija Dam**
    - Dam removal will allow sediment to move downstream to naturally replenish and protect beaches and coastal property

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

**Approximate order of the plan components:**

- Arundo Removal
- Foster Park Wells
- Meiners Oaks Levee
- Santa Ana Bridge
- Live Oak Levee
- Slurry Disposal
- Desilting Basins
- Sediment Management
- Water Supply
- Bridges
- Levees
- Biological
- Sediment