



**Problem:** The training facility and levee are currently non-conforming uses and are likely obstacles to migrating wildlife in addition to affecting the hydrological processes of the river.

**Opportunity:** Removal of the levee and infrastructure would allow the restoration of natural processes, plant species, and wildlife to the 33-acre site.

**Problem:** Earthen bridge blocks seasonal wetlands from interacting with the pond's hydrology.

**Opportunity:** Remove the earth bridge and reroute trail around the wetlands. This will remove activity and disturbance from a high-value wildlife area.

**Problem:** Oak woodlands are becoming regionally scarce due to land conversion to urban development.

**Opportunity:** Plant native oak plant communities on the higher floodplain.

**Problem:** The pond presently traps fish flushed into the pond during overbank flows.

**Opportunity:** Reduce the size of the pond by moving the south bank inland.

Access to telephone poles needs to be maintained.

**Problem:** The steep banks of the pond are infested with sesbania and the pond bottom is uniformly shallow lowering its potential to support diverse plant species.

**Opportunity:** Reshape and regrade the pond banks so that the hydrology will support more diverse native riparian plants.

**Problem:** Non-native invasive Sesbania is invading an area of fine cobbles, small wetlands, and shallow aquatic habitat.

**Opportunity:** Excavate the area to increase shallow aquatic habitat and remove the sesbania.

**Problem:** Non-native invasive Starthistle has begun infesting this small area.

**Opportunity:** Remove the yellow starthistle and plant native oak woodland plant species.

**Problem:** The south bank of the river is steep and rapidly eroding, threatening property and valuable spawning gravels in the river.

**Opportunity:** Alleviate pressure on south bank by constructing a high-flow bypass through the point bar on the north bank. The bypass could be constructed to incorporate wildlife habitat values.

**Problem:** The access road separating the river from the pond is easily breached at low flows and carries fish into the pond, trapping them.

**Opportunity:** Stabilize the road by filling it, raising its elevation, and creating a more natural slope on the river side; plant adjacent areas with native plant species.



0 262.5 525 feet  
0 80 160 meters

Scale: 1 inch = 160 meters  
(1 inch = 525 feet)

**LEGEND**

- Utility Structure (Power and Telephone Poles, etc.)

Note: Map contours are shown in meters  
Contour interval = 3.75 meters (12.3 feet)

American River Watershed, California  
Long-Term Study  
Final Supplemental Plan Formulation Report/  
EIS/EIR

ARDEN BAR SITE  
PROBLEMS AND OPPORTUNITIES

Sacramento District, Corps of Engineers  
February 2002