

Problem: Potential fish stranding sites.

Problem: Riparian corridor is too steep and narrow to provide adequate shelter for wildlife or allow for riparian plant regeneration.
Opportunity: Expand riparian corridor along levee by excavating southward and planting riparian plant species.

Problem: Incised channel is causing banks to fail; steep banks limit ability for riparian forest species to grow.
Opportunity: Expand riparian corridor by creating meandering channel and planting riparian forest species.

Preserve existing elderberry mitigation sites.

Opportunity: Remove non-native Black Locust trees and replant with native riparian forest species.

Problem: Potential fish stranding site.
Opportunity: Excavate side channel between existing wetland and river channel and plant with riparian and wetland plant species. This will reduce fish stranding, provide fish-rearing habitat, and increased habitat diversity.

Problem: Existing depressional seasonal wetlands do not receive inundation from the river frequently enough to provide for wetland plant survival.
Opportunity: Breach artificial berms to allow more frequent inundation of wetlands.

Constraint: Access to radio towers and utility poles needs to be maintained.

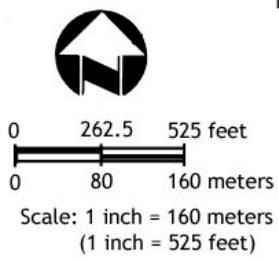
Preserve existing moderate and high-quality riparian forest buffer; selectively remove non-native invasive species.

Problem: The non-native invasive starthistle is rapidly infesting the site and outcompeting native plant species that native terrestrial and avian wildlife species depend on for shelter, forage, and nesting.
Opportunity: Remove starthistle and drill native plant seed mix in the former hayfield.

LEGEND

- Utility Structure (Radio Towers, Utility and Telephone Poles, etc.)
- ▨ Steep Bank

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

**WOODLAKE SITE
 PROBLEMS AND OPPORTUNITIES**

Sacramento District, Corps of Engineers
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