

**Problem:** Narrow riparian corridor does not provide much cover for larger terrestrial animals and banks are too steep to provide adequate surface area for tree and shrub regeneration.  
**Opportunity:** Expand the riparian corridor by regrading the adjacent land and planting riparian plant species.

Access to all utility and power poles need to be maintained.  
 Remove annual grasses and Plant native grasses

Preserve existing wetland and cottonwood grove.  
 Preserve existing cottonwood groves

**Problem:** The open pit's banks are mostly bare, providing little in the way of wildlife habitat.  
**Opportunity:** Reshape the banks and plant with riparian species, and create seasonal wetlands and shallow aquatic habitat to increase biological diversity.

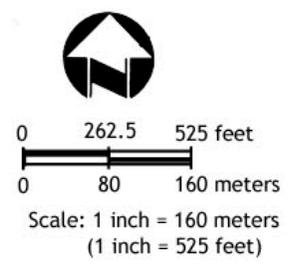
Replace degraded banks and topsoil by cutting into the back to create side channels for fish habitat.

Recontour steep banks and plant with riparian and wetland species.  
 Camp Pollock Boy Scout Camp  
 Riverdale Trailer Park  
 Oak/Cottonwood Forest

**LEGEND**

-  Existing Resource - No conversion of habitat type or use is proposed for these areas.
-  Utility Structures - (i.e., Power and Telephone Poles)
-  Steep, Degraded River Banks

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/  
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**URRUTIA SITE  
 PROBLEMS AND OPPORTUNITIES**

Sacramento District, Corps of Engineers  
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