

Figure B: Possible Protection, Enhancement and Mitigation Strategies at Hydroelectric Projects

Possible Strategies	Possible Social & Environmental Interests													
	Nutrient Loading	Lowering Water Temperature	Stratification	Reduced Oxygen Levels	Reduce Supersaturation	Minimize Sedimentation & Erosion	Fish Migration	Fish Populations	Wildlife Habitat	White Water Boating	Reservoir Boating	Reservoir Access	Maximize Electric Generation	Preservation of Cultural Resource
Structural Modifications to a Project														
Surface Collectors							●	●						
Fish Screens							●	●						
Turbine Modifications							●	●					●	
Guidance Devices: lights, sound repulsion, air bubble curtains							●	●						
Fish Ladder							●	●						
Spill Deflectors (Flip Lips)					●									
Baffled Spillways							●	●						
Selective Water Withdrawal		●		●						●			●	
Recreation Facilities & Boat Ramps												●		
Operational Changes														
Spill							●	●		●				
Flow Augmentation/ Minimum Flows							●	●		●				
Drawdowns		●	●	●			●	●	●					
Stable Pool (Reservoir) Levels						●			●		●	●	●	●
Coordinated Generation & Activity							●			●			●	
Transportation														
Barging							●	●						
Trucking						●	●	●						
Stream/Reservoir Enhancements														
Bank Stabilization	●					●		●	●		●			
Restoring Spawning Areas							●	●						
Instream Habitat Structures		●				●	●	●						
Vegetation Removal/ Planting	●			●		●			●					
Land Use Practices														
Land Purchases or Conservation Easements	●					●	●		●		●	●		●
Refuges									●					
Wildlife Habitat Management Plans									●					
Cultural Preservation														●
Other														
Hatcheries								●						
Predator Control							●	●						

This matrix shows examples of both social and environmental interests, and possible strategies to meet these interests. What is listed, however, is not inclusive of all options.