

Warrior Cooperative Relicensing Team (WCRT)
Ecological Issue Statements

- WE1 Point Source and Non-point Source Pollution** – Effects of the various sources of pollution (*e.g.*, both point, non-point, trash, etc.) that originate within the Warrior Basin on the water quality of the lakes and rivers of the project study area.
- WE2 Erosion and Siltation** – Effect of the existing (and estimated future) levels of erosion and siltation within the Warrior Basin on the public uses and water quality of the lakes and rivers in the project study area.
- WE3 Water Quality in Lakes, Rivers, and Tributaries** – Effect of current project operations on the water quality of the project study area.
- WE4 Water Quantity, Water Use, and Water Withdrawals** – Effect of current water uses in the Warrior Basin (water withdrawals, drought/flood operations, navigation flow requirements, *etc.*) on the aquatic resources of the project study area.
- WE5 Toxins** – Effect of toxins (*e.g.*, mercury and other heavy metals) in the Warrior Basin on the aquatic resources of the project study area.
- WE6 Threatened & Endangered Species (T&E)** – Effect of project operations on threatened, endangered, or sensitive species (aquatic and terrestrial) that inhabit the project study area.
- WE7 Exotic Species and Aquatic Plant Management Program** – Effectiveness of the existing programs (both APC and non-APC) in controlling exotic species, nuisance aquatic vegetation, and vectors (mosquitoes) in the study area.
- WE8 Lake Level Fluctuations** – Effect of project related lake level fluctuations on the riparian and aquatic resources of the project study area.
- WE9 Ecological Habitat Fragmentation** – Effect of habitat fragmentation of the rivers and tributaries within the project study area related to the construction of Smith Dam and the operation of Smith and Bankhead reservoirs on the aquatic resources of the project study area.
- WE10 Impacts of Project Releases** – Effect of altered hydrology on the aquatic resources of the project study area (*i.e.* tailwater areas below each powerhouse).
- WE11 Entrainment & Impingement** – Effect of fish impingement, entrainment, and turbine mortality/injury at each of the project powerhouses on the aquatic resources of the project study area.
- WE12 Wetlands** – Effect of project operations on wetlands within the project study area.
- WE13 Wildlife Management Plan** – Management of the aquatic and terrestrial resources within the project study area.
- WE14 Energy Conservation Program** – Identify customer incentives and technological developments that could decrease the demand for electricity.