

Coosa Ecological Resource Advisory Team (RAT)
Ecological Issue Statements

- CE1 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 Coosa Basin on the water quality of the lakes and rivers of the project study area.
- CE 2 Erosion and Siltation** – Effect of the existing (and estimated future) levels of erosion and siltation within the Coosa Basin on the public uses and water quality of the lakes and rivers in the project study area.
- CE 3 Water Quality in Lakes, Rivers, and Tributaries** – Effect of current project operations on the water quality of the project study area.
- CE 4 Water Quantity, Water Use, and Water Withdrawals** – Effect of current water uses in the Coosa Basin (water withdrawals, drought/flood operations, navigation flow requirements, *etc.*) on the aquatic resources of the project study area.
- CE 5 Toxins** – Effect of toxins (*e.g.*, PCB, mercury, and dioxin) in the Coosa Basin on the aquatic resources of the project study area.
- CE 6 Threatened & Endangered Species (T&E)** – Effect of project operations on threatened, endangered, or sensitive species (aquatic and terrestrial) that inhabit the project study area.
- CE 7 Exotic Species and Aquatic Plant Management Program** – Effectiveness of the existing programs (both APC and non-APC) for controlling exotic species, nuisance aquatic vegetation, and vectors (mosquitoes).
- CE 8 Lake Levels Fluctuations** – Effect of project related lake level fluctuations on the aquatic resources of the project study area
- CE 9 Ecological Habitat Fragmentation** – Effect of habitat fragmentation of the rivers and tributaries within the project study area related to the construction and operation of the Weiss, Henry, Logan Martin, Lay, Mitchell, Bouldin and Jordan reservoirs on the aquatic resources of the project study area.
- CE10 Impacts of Project Releases** – Effect of altered hydrology on the riverine aquatic resources of the project study area (*i.e.* bypassed original channels of the Coosa River and tailwater areas below each powerhouse).
- CE11 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.
- CE12 Wetlands** – Effect of project operations on wetlands within the project study area.
- CE13 Wildlife Management Plan** – Management of the aquatic and terrestrial resources within the project study area.
- CE14 Energy Conservation Program** – Identify customer incentives and technological developments that could decrease the demand for electricity.