

## **Lafayette Blue State Park**

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### **Resource Management Component Objectives**

#### **Hydrology**

- Assess the park's hydrological restoration needs by monitoring surface water and groundwater and conducting dye trace studies.
- Restore the park's hydrological conditions and functions by restoring natural communities and natural hydrology at the borrow pit and monitoring and conducting experimental SAV plantings at both spring-run streams.
- Monitor visitor use impacts on the aquatic cave system by monitoring cave diving activities.
- Evaluate and mitigate the impacts of soil erosion through monitoring and implementing corrective measures where needed.

#### **Natural Communities**

- Maintain 220 acres within the optimum fire return interval.
- Conduct natural community improvement activities on 259 acres in zones 2A, 2B, 3A, 4A, and 4B by removing off-site hardwoods through increased fire frequency and chemical/mechanical methods. Planting longleaf pines as needed.

#### **Imperiled Species**

- Update baseline imperiled species occurrence inventory lists for plants and animals.
- Monitor and document 3 imperiled animal species in the park (gopher tortoise, eastern indigo snake, troglobitic arthropods).
- Monitor and document 1 imperiled plant species in the park (incised agrimony).

#### **Invasive and Nuisance Species**

- Annually treat 20 gross acres or 1 infested acres of invasive plant species in the park.
- Control 1 invasive animal species in the park (feral hogs).

#### **Cultural Resources**

- Assess and evaluate 2 of 2 recorded cultural resources in the park (LF4-Blue Springs and LF101-Moseley Mill).
- Compile reliable documentation for all recorded or potentially historic structures and archaeological resources (Bible Camp structures and "Gread Road from Tallahassee to St. Augustine").
- Bring 2 of 2 recorded cultural resources into good condition.