

Wetland ID	Cowardin Habitat Description	Area (acres)
WD	Palustrine; Forested, Broad-Leaved Deciduous/Needle-Leaved Evergreen; Saturated	66.84
Total Wetlands		405.11

Two tributaries are located within Alternative 2 consisting of approximately 3,020 linear feet of intermittent stream (S1-S2). These streams are located within the northwestern portion of the site. Stream S2 flows into Stream S1, which flows offsite westward towards the Okefenokee National Wildlife Refuge. Table 4 summarizes the stream findings below.

Table 6: Existing Stream Summary for Alternative 2

Wetland ID	Cowardin Habitat Description	Length (linear feet)/ Area (acres)
S1	Riverine; Intermittent; Streambed; Mud	2,210/ 0.33
S2	Riverine; Intermittent; Streambed; Mud	810/ 0.07
Total Intermittent Streams		3,020/0.40

One open water (OW1) totaling 0.34 acre occurs within the site. The observed open water appears to be an excavated feature that is adjacent to Wetland D.

Alternative 2 would result in approximately the same amount of permanent impacts to intermittent streams and wetlands. The same facilities would need to be constructed. The amount of temporary impacts would be slightly less than Alternative 1 simply because there are less wetlands and total acreage on the Loncala tract.

Additionally, greater amounts of sensitive species that were identified on Loncala and would be potentially impacted including the American black bear, gopher tortoise and gopher frog. Approximately 3 active juvenile, 4 subadult, 18 active adult, 27 inactive adult, and 6 inactive subadult gopher tortoise burrows, along with 3 gopher frog location would be potentially impacted. With the implementation of mitigation measures, Alternative 2 would not have an effect on these species. Locations of sensitive features are depicted on the Loncala Tract Figure 4.2: Sensitive Features Location Map.

The cultural resources investigation revealed the presence of one cultural resource site recommended as potentially eligible for NRHP inclusion under Criterion D. Additionally, the NRHP status of another cultural resource is listed as unknown as this site was unable to be fully tested due to the site extending outside of the project limits. The investigated portion of the site was determined to lack significant data potential and thus no further archaeological work was recommended within the project area. The cultural resource consultant recommended that until this site could be fully defined and evaluated, the overall NRHP eligibility status should remain as unknown. For the one site considered to be potentially eligible, avoidance or further testing was recommended. If avoidance was not possible, the cultural resource consultant recommended Phase II testing be conducted prior to any ground disturbing activities in order to better evaluate the NRHP eligibility status of this site.

3.3 Alternative 3

Alternative 3 consists of utilizing an alternative mining method on the site of Alternative 1. The