



Capstone Design Project Abstract

Project Title: Tussahaw Creek Public Access Recreational Park

Sponsor: Georgia Power

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The Tussahaw Creek Public Access Area project aims to improve recreational opportunities around Lake Jackson, Georgia, as part of the federal relicensing of the Lloyd Shoals Hydroelectric Project. Georgia Power is responsible for fulfilling the Federal Energy Regulatory Commission (FERC) requirements, which include creating accessible public spaces in Butts County. This three-acre site, currently an informal fishing location, will be developed into a public access area with amenities like a parking lot, handicap-accessible spaces, picnic tables, fishing access, and a kayak/canoe launch. Key challenges include minimizing environmental impact, ensuring accessibility, and complying with federal and local regulations. The design prioritizes public safety, easy access to the creek, and a seamless integration with the natural environment. The development is expected to boost local tourism and support businesses around the lake.

Our proposed solution includes detailed drawings for the project, featuring a wraparound one-way parking lot with 10 angled spots, including two ADA-compliant spaces. A designated stopping zone will be added near the kayak launch for easy boat transport. A paved walkway will connect visitors to the water and existing forest trails, while three picnic tables on concrete platforms will be linked by the walkway. The drawings that will be produced for the client and showcase are intended to provide everything including general site layout, grading plans, erosion control, stormwater management, construction details, and much more that will help to illustrate exactly what is intended for construction. These construction-level drawings will be submitted to GA Power to be reviewed and posted for contractor bidding, ensuring the project meets all regulatory requirements and is ready for implementation.