



US Army Corps  
of Engineers  
St. Louis District

# Information Paper

## CAP 1135: Clarence Cannon at Mark Twain Lake, MO

### Feasibility (CAP Section 1135)

#### Contact:

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#### Location:

Mark Twain Lake is located in northeastern Missouri in the Salt River Basin. Clarence Cannon Dam and the Re-regulation dam are located in Ralls County at Salt River miles 63.0 and 53.5, respectively, upstream from the confluence with the Mississippi River. Mark Twain Lake is in both Ralls and Monroe Counties and approximately 20 miles southwest of Hannibal and 140 miles north of St. Louis.

#### Description:

Low dissolved oxygen (DO) concentration in the re-regulation pool caused by lake water with low oxygen moving through the turbines has been a long term, significant water quality concern at Clarence Cannon Dam.

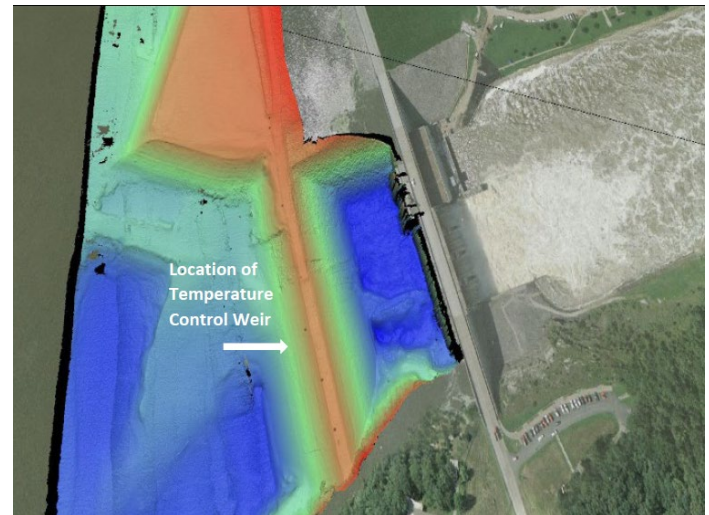
**Status:** St. Louis District approved the Federal Interest Determination on Aug. 18, 2023.

**Importance:** The Mark Twain Lake Environmental Stewardship Program is chartered through laws and regulations to manage public lands under its jurisdiction in such a manner which “conserves fish and wildlife,” “benefits wetlands,” and “provides a safe and healthy environment for visitors.” The stewardship authorities afforded through the Fish and Wildlife Coordination Act, National Environmental Policy Act of 1969 (PL 91-190), Water Resource Development Acts, Forest Cover Act and numerous engineering regulations offer natural resource managers several methods to accomplish their role.

**Authority:** Section 1135, Water Resources Development Act of 1986, as amended.

#### Schedule:

- Federal Interest Determination Approval: Aug. 18, 2023
- Initiate feasibility study: Jan. 2024
- Final report: Dec. 2025



Temperature Control Weir near Clarence Cannon Dam at Mark Twain Lake.

**Activities for FY 24:** Request additional federal funds for FCSA negotiation, PMP, Review Plan. Negotiate and execute a FCSA. Begin feasibility study.

**Activities after FY24:** Complete feasibility study.

**Project Sponsor/Customer:** The Missouri Department of Conservation

**Congressional Interest:** Senate: Schmitt & Hawley.  
House: Wagner (MO-2)

#### Financial:

Estimated Federal Cost: \$50,000 (FID)

Estimated Non-Federal Cost: \$0

Total Estimated Cost: \$50,000

Total Federal funding to date: \$50,000