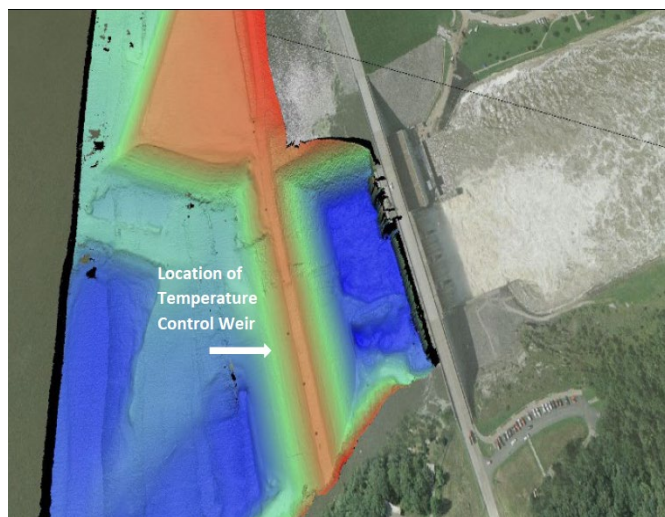




US Army Corps  
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St. Louis District

# Information Paper

## CAP 1135: Clarence Cannon at Mark Twain Lake, MO Feasibility (CAP Section 1135)



**Figure 1: Temperature Control Weir near Clarence Cannon Dam at Mark Twain Lake**

### Contact

Abby Hoyt, Project Manager  
(314) 331-8003  
[abigail.c.hoyt@usace.army.mil](mailto:abigail.c.hoyt@usace.army.mil)

### Location

Mark Twain Lake is located in northeastern Missouri on the Salt River Basin on the Salt River. 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, 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 environmental concern at Clarence Cannon Dam causing regular fish kills downstream of the dam.

### Status

The feasibility study was kicked off on 31 October 2024. Final report is currently projected to be signed by November 2026.

### 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

- Initiate Feasibility Study: 31 October 2024
- Final report: November 2026

### Activities for FY25

USACE has received additional 100% federal dollars for FCSA negotiation, Review Plan development, and Project Management Plan development. Feasibility Study has begun as of October 2024.

### Activities after FY25

Complete Feasibility Study.

### Project Sponsor/Customer

The Missouri Department of Conservation (MDC).

### Congressional Interest

Senate: Schmitt & Hawley  
House: Graves (MO-6)

### Financial

Federal CAP funding	\$375,000
Non-federal funding	<u>\$275,000</u>
Total Project Cost	\$650,000

Federal Funds Allocated to Date	\$375,000
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