



# Optima Lake, Oklahoma

U.S. ARMY CORPS OF ENGINEERS

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FACT SHEET as of February 6, 2012

**AUTHORIZATION:** Optima Lake was authorized under the Flood Control Act of 1936.

**TYPE OF PROJECT:** Flood damage reduction.

**PROJECT PHASE:** O&M



**CONGRESSIONAL INTEREST:** Senators Coburn and Inhofe, OK; Representative Lucas, OK-3

**NON-FEDERAL SPONSOR:** N/A

**BACKGROUND:** Optima Lake is located on the North Canadian River at river mile 623, about 4.5 miles northeast of Hardesty in Texas County, Oklahoma. The structure is a rolled earth-filled embankment about 16,900 feet in length. An uncontrolled, emergency spillway about 1500 feet wide is located on the right abutment. The outlet works consist of a concrete gate tower with a 12x16 foot oblong conduit. Discharge through the conduit is controlled by two 6x14 foot service gates. Although the amount of rainfall for the region has basically remained constant, stream flow in the Beaver River since the late 1960s has been significantly reduced. Today there is little flow at all. For the most part the loss of the river's stream flow has been attributed to increased pumping of ground water from the Ogallala Formation of the High Plains aquifer, which has significantly depleted ground water levels. As a result of these conditions, Optima Lake has never filled.

**STATUS:** FY 2011 activities included routine scheduled operations and maintenance activities at the project. There were no major maintenance contracts awarded in FY 2011 at Optima Lake.

**ISSUES:** Beginning in FY 2011, Optima Lake has been funded and managed under minimal caretaker operations and maintenance activities. As a result of this decision by the Tulsa District Commander, there are no additional funds above the allocated amount required at this time.

<b><u>FINANCIAL SUMMARY (\$):</u></b>	<b><u>O&amp;M</u></b>
Federal Cost Estimate	N/A
Non-Federal Cost Estimate	N/A
Total Project Cost	N/A
Allocation thru FY 2010	N/A
ARRA Funding	\$ 225,000
Allocation for FY 2011	\$ 32,000
Allocation for FY 2012	\$ 31,000
President Budget FY 2013	\$ 49,000
Amount That Could Be Used for FY 2013	\$ 49,000
Balance to Complete	N/A

**SCHEDULE:**

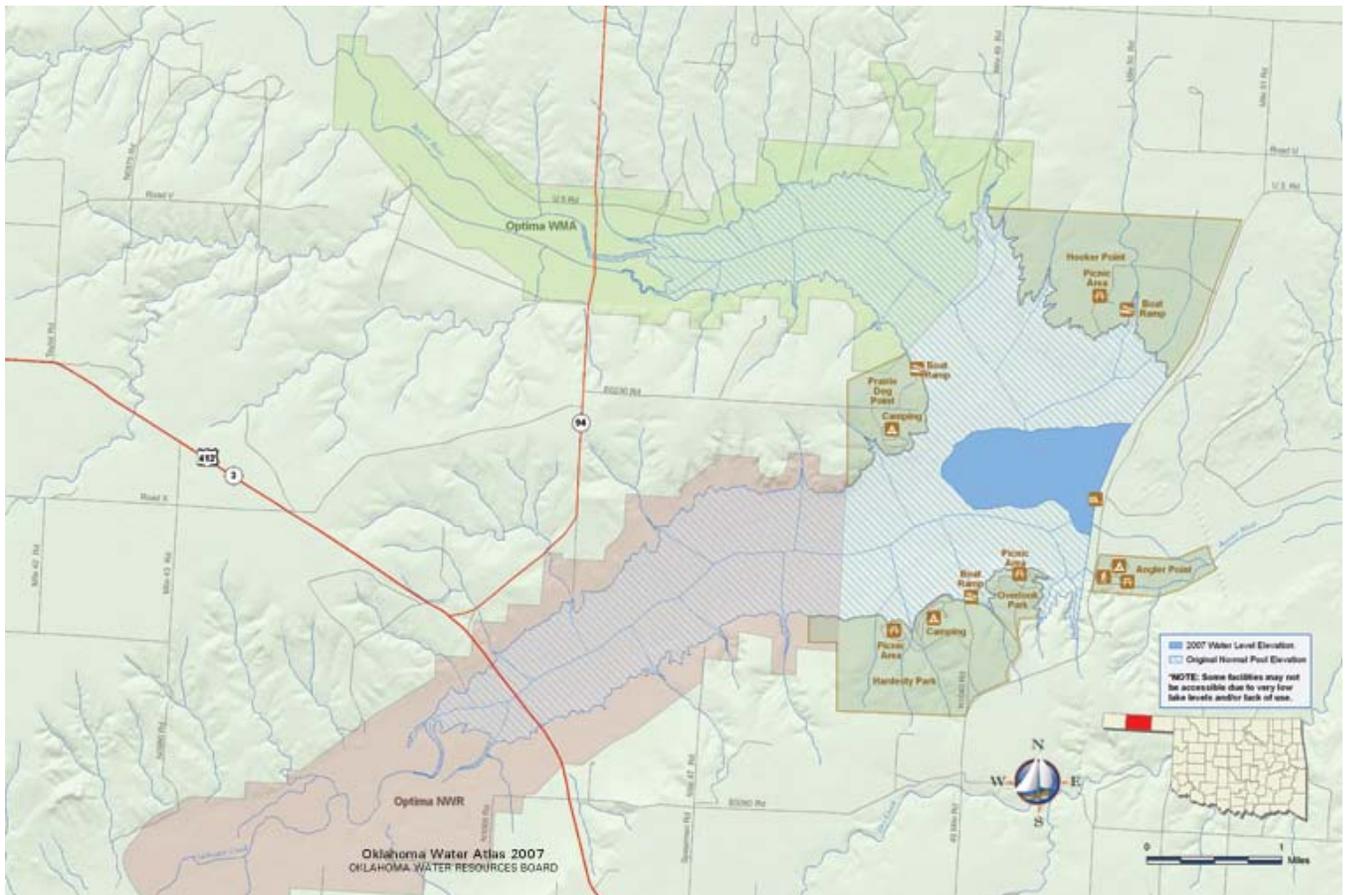
**FY 2012 Scheduled Work:** The current FY 2012 budget is being used for minimal caretaker operations and maintenance activities at this project. A required bridge inspection will also be completed in FY 2012.

**FY 2013 Budget:** The FY 2013 President's budget will be used for minimal caretaker operations and maintenance activities at the project.

**COMPLETION:** N/A. Operating project.

**For more information** regarding the Optima Lake Project, contact Kathryn Carlson, Lake Manager, at (580) 886-2989 or [Kathryn.Carlson@usace.army.mil](mailto:Kathryn.Carlson@usace.army.mil).

# PROJECT MAP OPTIMA LAKE, OKLAHOMA



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