

Mahoning Creek Lake

Authorized by the Flood Control Acts of 1936 and 1938, Mahoning Creek Lake is one of 16 flood control projects in the Pittsburgh District. An important link in a system of flood control projects, Mahoning provides flood protection for the lower Allegheny River Valley and the upper Ohio River.

Since its completion in 1941, the Mahoning project has prevented flood damages estimated to be in excess of \$686 million. Mahoning has the capability to store the equivalent run-off of 4.09 inches of precipitation from its 340 square mile drainage area. When compared to the savings which have resulted, the estimated construction cost of \$6 million appears small.

Mahoning also stores water and releases it downstream during dry periods to improve water quality and quantity for domestic and industrial use, navigation, recreation, esthetics and aquatic life.

Lake & Dam Statistics

Location: On Mahoning Creek in Armstrong County, Pennsylvania, 21.6 miles upstream from the junction of the creek and the Allegheny River. The project is located in Armstrong, Indiana and Jefferson Counties.	
Project area, acres:	2,967
Drainage area above dam, square miles:	340
Construction cost:	\$6,000,000

Dam

Type of structure:	Concrete gravity with a gate controlled center spillway
Height above streambed, feet:	162
Length, feet:	926
Width at base, feet:	54
Volume of concrete, cubic yards:	342,210
Outlet Works:	Three 5'8" x 10' gate-controlled sluices, 1-24" ball valve conduit, 1-36" ring jet valve

Lake

Length at normal pool, miles:	5
Area, acres:	
Maximum (reservoir full):	2,370
Normal (summer pool):	280
Elevation, feet above sea level:	
Maximum (reservoir full):	1,162
Normal (summer pool):	1,098
Winter pool:	1,077
Streambed at dam:	1,008