

Loyalhanna Lake

Authorized by the Flood Control Acts of 1936 and 1938, Loyalhanna Lake is one of 16 flood control projects in the Pittsburgh District. An important link in a system of flood control projects, Loyalhanna provides flood protection for the lower Loyalhanna Creek and Kiskiminetas River valleys as well as the lower Allegheny and upper Ohio Rivers. Since its completion in 1951, Loyalhanna has prevented over \$529 million in flood damage. The project has the capability to store the equivalent run-off of 6.16 inches of precipitation from its 290 square mile drainage area. When compared to the flood prevention benefits which have resulted, the construction cost of \$5.5 million appears small.

Lake & Dam Statistics

Location: On Loyalhanna Creek, 4.5 miles above its junction with the Conemaugh River at Saltsburg, Pa., forming the Kiskiminetas River. The project is located entirely in Westmoreland County, Pa.	
Project area, acres:	3,722
Drainage area above dam, square miles:	290
Construction cost:	\$5,500,000

Dam

Type of structure: Concrete gravity with gate controlled center spillway and adjoining earth embankment on left bank	
Height above streambed, feet:	114
Length, feet (760 feet concrete; 200 feet earth):	960
Width at base, feet:	88.5
Volume of concrete, cubic yards:	122,795
Volume of earth fill, cubic yards:	59,793
Outlet Works: Discharge is regulated by the control tower containing four 5.67' x 7' gate-controlled sluice gates, one 24" valve-controlled sluice gate and five 29' x 30' crest gates.	

Lake

Length at normal pool, miles:	4
Area, acres:	
Maximum (reservoir full):	3,280
Normal (summer pool):	435
Elevation, feet above sea level:	
Maximum (reservoir full):	975
Normal (summer pool):	923
Streambed at dam:	869