

Tionesta Lake

Authorized by the Flood Control Acts of 1936 and 1938, Tionesta Lake is one of 16 flood control projects in the Pittsburgh District. Tionesta is a key link in a system of flood control project for the Allegheny and upper Ohio Rivers. Since its completion in 1940, Tionesta has prevented over \$536 million in flood damage. The project's flood control capabilities were dramatically demonstrated during the 1972 flooding resulting from Tropical Storm Agnes when over \$62 million in damages were prevented by Tionesta alone.

Lake & Dam Statistics

Location: On Tionesta Creek, 1.25 miles above the confluence of the creek with the Allegheny River at Tionesta, Pa., and about 100 miles northeast of Pittsburgh, Pa. The project is located entirely in Forest County.

Project area, acres: 3,184

Drainage area above dam, square miles: 478

Construction cost: \$6,000,000

Dam

Type of structure: compacted earth fill with impervious core

Height above streambed, feet: 154

Length, feet: 1,050

Width at base, feet: 1,080

Volume of earth and rock fill, cubic yards: 1,772,000

Outlet Works: concrete lined tunnel 19' in diameter and 1,875' in length. The tunnel passes through the hill near the right abutment of the dam. Discharge is regulated by the control tower containing three 7.5' x 16' vertical lift gates and two 24" gate valves.

Lake

Length at normal pool, miles: 6.3

Area, acres:

Maximum (reservoir full): 2,770

Normal (summer pool): 480

Elevation, feet above sea level:

Maximum (reservoir full): 1,170

Normal (summer pool): 1,089

Streambed at dam: 1,043
