

Bathymetric Map of Chambers Lake at Hibernia County Park, Chester County, PA

This bathymetric map illustrates the “bed” or “floor” of Chambers Lake at Hibernia County Park in Chester County, PA. Darker colors on the map indicate deeper areas of the lake. The black lines are submerged contour lines at 2 foot intervals. When the lines are close together, the floor of the lake is very steep and where the lines are further apart, the slope of the lake bed is fairly gradual. The shallow, nearly flat area shown at the southwest edge of the lake is a constructed wetland with a typical depth of one to two feet.

The bathymetric map was prepared by the U.S. Geological Survey based on a survey conducted in September 2014 by wading through shallow areas of the lake with hand-held surveying equipment and by using boat-mounted acoustic doppler technology where the lake is too deep to wade. The USGS collected over 151,000 points to develop the map with an additional 14,250 quality-assurance points collected.

This map is a generalized representation of lake bottom topography and is not to be used for navigational purposes. Due to small discrepancies during reproduction, the scale and proportions may not be accurate.

The map image was developed and published by the U.S. Geological Survey. A full description of the methodology, quality assurance, results and references are included in U.S. Geological Survey Scientific Investigations Map 3346. Citation: Gyves, M.C., 2015, Bathymetry and Capacity of Chambers Lake, Chester County, Pennsylvania: U.S. Geological Survey Scientific Investigations Map 3346, <http://dx.doi.org/10.3133/sim3346>.

