

LAKE COUNTY, ILLINOIS

2014 SUMMARY REPORT LAKE CATHERINE

PREPARED BY THE

LAKE COUNTY HEALTH DEPARTMENT

Population Health-Ecological Services

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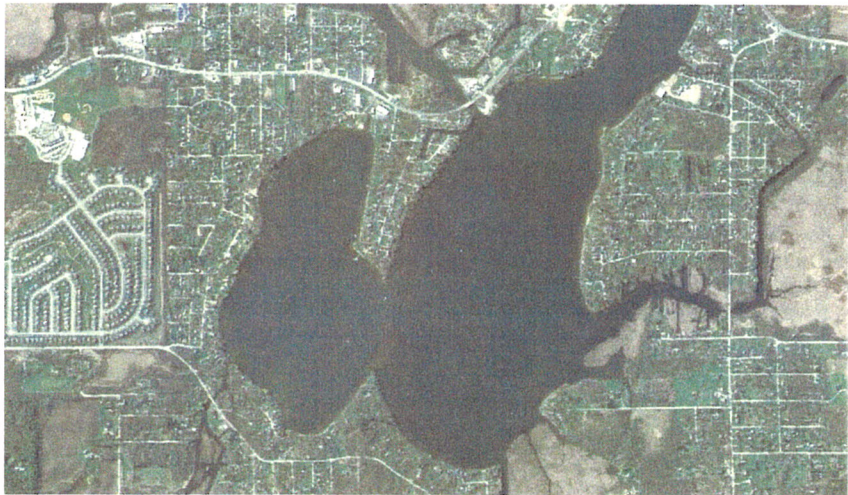


Figure 1. Lake Catherine (right) and Channel Lake (left) 2010 Aerial

Lake Catherine is one of the thirteen lakes within the Fox Chain 'O' Lakes monitored by the LCHD-ES in 2014. It is a glacial lake with a maximum depth of 39 feet and a surface area of 164.7 acres. Water elevations in Lake Catherine are influenced by the McHenry Dam which was built in 1939. Lake Catherine is hydrologically connected to Channel Lake, although this was not always the case, as there was once a gravel bar that separated the two, however, most of that bar has eroded away. Currently both lakes form one large footprint. Boaters are still observed anchored at the remaining sandbar on the northwestern edge of the lake; swimming and recreating. Lake Catherine and Channel Lake are both located near the bottom of the Trevor Creek watershed, and are the deepest of the lakes in the Fox Chain 'O' Lakes. Lake Catherine receives water directly from Trevor Creek which flows from Wisconsin and is part of the Fox River Watershed. Lakes feeding Trevor Creek include Cross, Voltz and Rock Lake in Kenosha County, Wisconsin. There are also several small tributaries and stormwater drainage outfalls entering into the lake. Data supplied by the Lake County Mapping Services Division and Southeastern Wisconsin Regional Planning Commission estimate the Trevor Creek watershed to be approximately 12,581.67 acres in

ENVIRONMENTAL SERVICES WATER QUALITY SPECIALISTS

Kathy Raap

Alana Bartolai

Gerard Urbanozo

kpaap@lakecountyil.gov abartolai2@lakecountyil.gov gurbanozo@lakecountyil.gov