

# Additional information relevant to 2018 Chippewa County Land & Water Resources Management Plan Revision

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Water quality trends over time in the Chippewa River at Chippewa Falls are available in:

Wisconsin's 2016 Water Quality Report to Congress Integrated Report of Water Quality – Executive Summary – <https://dnr.wi.gov/topic/surfacewater/ir2016.html>

Information about the contribution of South Eastern Chippewa County to water quality impairments in the Eau Claire River Basin can be found at <http://wcrpc.org/Eau-Claire-Watershed-Plan.html>

Inventory of Chippewa County Lakes in the Chippewa Count Forest - Final Report to Chippewa County Forest and Parks by WDNR April 2006

The climate change information provided to the advisory committee was based on data up to 2006 by the Wisconsin Initiative on Climate Change Impacts. The state of Wisconsin has largely removed funding for this effort so there is no more recent data to report of Wisconsin. However national data is available for recent years at: <https://science2017.globalchange.gov/chapter/executive-summary/>

Some highlights from the executive summary:

- We are in the warmest period in modern civilization
- The atmospheric CO2 levels have not been this high in the last 3 million years.
- The last 3 years were the warmest in recorded global history
- Global sea levels have risen 7-8" since 1900 with a 3" rise since 1993
- A trend toward higher intensity rain continues
- A trend toward more forest fires continues

Since the county does not have records of trends on soil, statewide statistics from 2017 can be found at <https://wisconsinlandwater.org/programs/food-land-water-project>

Excerpts from that report:

- Statewide soil erosion rates on agricultural land have been increasing since 1992
- Soil test phosphorus levels for agricultural land has increased 40% since the 1970s
- The tons of phosphorus applied to cropland has continually increased even in the presence of decreasing agricultural land.
- 75% of applied phosphorus comes from sources other than manure.
- A question – NRCS reports utilization of Nutrient Management Plans by 13% for Chippewa Count farmland acres. Is there reason to disbelieve this number