



Federal Section 319
 Nonpoint Source Grant
 2003-0037



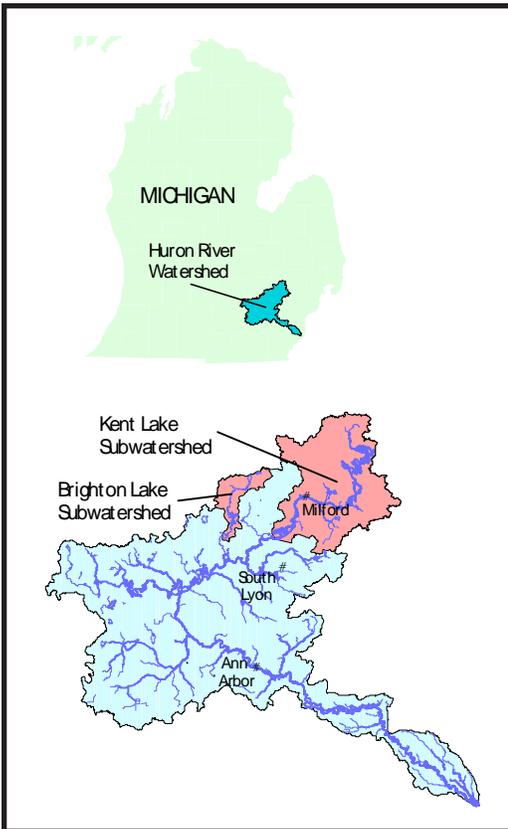
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Upper Huron Transition/Implementation II

August 1, 2004 to December 31, 2005

PROJECT SUMMARY

This project facilitated implementation of the Kent Lake and Brighton Lake Subwatershed Management Plans, which were created in 2002 through a previous Section 319 grant to the Huron River Watershed Council (HRWC). The primary purpose of these watershed management plans is to address the phosphorus TMDLs established for Kent Lake in Oakland County and for Brighton Lake in Livingston County, which call for reductions in phosphorus from non-point sources of 16% and 10% respectively.



The goal of implementing the two watershed management plans as a means of addressing the phosphorus TMDLs was achieved using three primary objectives:

- 1) Assist local governments in the Kent Lake and Brighton Lake subwatersheds with prioritization and implementation of managerial BMPs for phosphorus reduction.
- 2) Increase adoption of residential BMPs for reduction of nonpoint source phosphorus pollution through priority education outreach activities.
- 3) Encourage residents and land managers to adopt BMPs to reduce phosphorus loading on two properties in the Kent Lake subwatershed (Wildwood Subdivision in Wixom and Sarah Banks Middle School in Wixom) that will receive structural retrofits through two separate CWA Section 319 grants.

A secondary goal of this project was to update the Kent Lake and Brighton Lake Subwatershed Management Plans to meet the U.S. EPA's Nine Minimum Elements for watershed management plans. Meeting these new requirements is necessary for receiving funding for this grant, as well as consideration for future Federal Section 319 nonpoint source grants in either subwatershed area.

Goals - The goals of this project are: 1) to facilitate implementation of the Brighton Lake and Kent Lake Subwatershed Management Plans by completing activities consistent with the highest priorities identified in the Plans as a means of addressing the phosphorus TMDLs for Kent Lake and Brighton Lake; and 2) to update the Brighton Lake and Kent Lake Subwatershed Management Plans to meet the EPA Nine Minimum Elements.

Grant Amount:	\$99,886
Match Amount:	\$14,249
Total Amount:	\$114,135

Partners

- 11 Local units of government partnered in the COW exercise and provided guidance in updating the Kent Lake and Brighton Lake WMPs.
- The Oakland and Livingston County Drain Commissioners Offices provided information and input for updating the Kent and Brighton WMPs.
- Local Homeowners Associations assisted with promoting and sponsoring the "Living on the Edge" workshops and distributing educational materials to residents.
- The following organizations provided speakers for the "Living on the Edge" workshops: Michigan Groundwater Stewardship Program, MDEQ, Michigan Turfgrass Foundation, and Wetlands Nursery.

ACCOMPLISHMENTS

Through this project, HRWC completed addendums to the Kent Lake and Brighton Lake WMPs to address the U.S. EPA's Nine Minimum Elements, which were submitted to MDEQ. A related task was conducting Road Stream Crossing Inventories of the two subwatershed areas, which were completed by HRWC and submitted to MDEQ for entry into the statewide database of road stream crossing inventories

HRWC worked with eleven local governments to conduct an inventory (known as the Codes and Ordinances Worksheet, or COW) of local regulations, ordinances, policies, and procedures related to protection of natural

resources and nonpoint source phosphorus pollution. HRWC used the results of the COWs to recommend a range of managerial BMPs for each participating community and offered assistance with implementing BMPs that were of interest to local communities.

HRWC targeted education efforts on the reduction of phosphorus loading from residential properties. HRWC worked with homeowner associations and riparian homeowners in the Brighton Lake subwatershed to get the message out that you can save time and money through simple lawn maintenance BMPs. HRWC used presentations, newsletter articles, and meetings with stakeholders to change behaviors on lawn care practices and reduce use of phosphorus fertilizers. HRWC also produced a 4-page flyer on phosphorus-reducing BMPs for lawn care, fertilizer use, and septic system maintenance that was bulk-mailed to all single family households in the Brighton Lake subwatershed. HRWC also conducted two "Living on the Edge" workshops (one in each subwatershed area) aimed at riparian homeowners. Major goals of the one-day workshop were to increase awareness, a sense of responsibility, and the intention to implement responsible shoreline management techniques and reduce soil erosion and phosphorus pollution.

HRWC held meetings with administrative and maintenance staff at Banks Middle School to select and agree upon specific BMPs and routine maintenance activities that will ensure the long-term functionality and optimal performance of the stormwater wetland once construction is completed. Residents of the Wildwood Subdivision received a hand-delivered flyer that reviewed the purpose of the retrofit project and outlined specific behaviors and practices to reduce sources of phosphorus inputs to the stormwater basin, such as lawn care practices. The flyer was accompanied by a copy of "Runoff as Resource," a professionally designed booklet developed by HRWC to provide information on runoff impacts and homeowner tips for improving water quality and managing runoff, such as proper lawn care, on-site water retention BMPs, and native landscaping.