



INVASIVE SPECIES COMMITTEE (ISC) REPORT

Onekama Township/ Portage Lake Watershed Committee

April 5, 2016

The Portage Lake Management Report for 2015 was received March 18, 2015. The complete report is available at the Township and Village offices, Library and on the portagelakewatershed.com website. Herb Lenon has written a summary of the report which is attached and Ted Lawrence has condensed the report even further with the following one page summary. There are a lot of comparative charts and data in the report and you are encouraged to read the complete report. If you have questions, please contact one of the committee members.

Summary - Portage Lake Management Report for Year Ended 2015 (Ted Lawrence)

- Five Aquatic Plant Surveys conducted for Invasives and native vegetation populations.
 - Watermilfoil - Approximately 80 acres treated in 2015 vs approximately 175 acres the previous year.
 - Phragmites – Only 4 acres treated vs 84 acres in 2009
 - Native Vegetation – Continue to have good diversity and density with at least 17 species identified
- Lake Water Quality measured at various shoreline locations and 2 deep basins at 3 different depths
 - 13 quality indicators are monitored. Dissolved oxygen, phosphorus, nitrates and chlorophyll are the most critical. 2015 indicator data was trended with data from the past.
 - 7 Tributaries monitored for flow rates and water quality. One tributary found to be very high in phosphorus.
 - 4 area storm drains monitored for water quality. One result very high in phosphorus.
 - Ecoli testing at 3 sites. Results continue to be extremely low
 - Trophic classification of Portage Lake is mesotrophic to moderately eutrophic. (Most desirable lake would be less than eutrophic for recreation, beauty and fisheries.)
- Aquatic vegetation and water quality should continue to be monitored to document lake conditions and provide warning of changes in the lake quality that need additional lake management activities.

Submitted by,

Mary Reed, Chair

(ISC: Herb Lenon, Ted Lawrence, Jim Simons, Chuck Reed)

