



Credit: Xiaogang Liu, Food, Agricultural, and Biological Engineering - The Ohio State University

# WHITEWATER REGION STORMWATER ASSESSMENT, PLANNING AND IMPLEMENTATION OF THE COBDEN AGRICULTURAL AREA



## Purpose of Study

Agricultural drainage is a major source of nutrients in the Muskrat Lake watershed. The watershed is well-studied, and this information needs to be properly evaluated to identify priority areas and determine Best Management Practices (BMPs) and stewardship activities that will result in the greatest improvements to downstream water quality in Muskrat Lake and both the Cobden and Snake River Provincially Significant Wetlands (PSWs).

The goal of this project is to characterize existing stormwater quality and stormwater management in Cobden's agricultural area and local Provincially Significant Wetlands (PSWs), recommend and implement mitigation measures to reduce nutrient loading to PSWs and Muskrat Lake, develop information sharing amongst local and regional groups and residents, and develop lasting partnerships between the agricultural sector and regional organizations to help improve water quality in Muskrat Lake and the PSWs in both the short and long-term. The Muskrat Lake watershed encompasses several different municipalities but the study area and focus for this project has been defined as the Township of Whitewater Region.

The purpose of this study is to prepare an action plan to implement best management practices to reduce nutrient loss for agricultural practices and improve water quality of Muskrat Lake and the Cobden and Snake River Provincially Significant Wetlands (PSWs) through implementation of best management practices and stewardship activities.

## Data Collection

The background review has taken place and was focused on characterizing stormwater quality, nutrient loading from agricultural lands, existing stormwater management (SWM), and the Cobden and Snake River Provincially Significant Wetlands (PSWs) functions in relation to SWM. The background report has been posted on the Township website, under Projects.

## Schedule

Discussions with interested property owners, open house meetings, etc. regarding best management practices and mitigation measures will take place in the upcoming months.

If you wish to continue to be included on the contact list, please email Andrea Bishop at [andreab@jp2g.com](mailto:andreab@jp2g.com).

## Contact information

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Township of Whitewater Region

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