

Watershed Study and Stormwater Master Plan Update

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Outline

- Status of Watershed Study and Stormwater Master Plans
- Preliminary Key Findings of the ongoing projects

Purpose of Study

Develop a long-term plan that will provide policy and management actions to protect, maintain and enhance the surface water, groundwater and natural resources of Greater Sudbury watersheds.

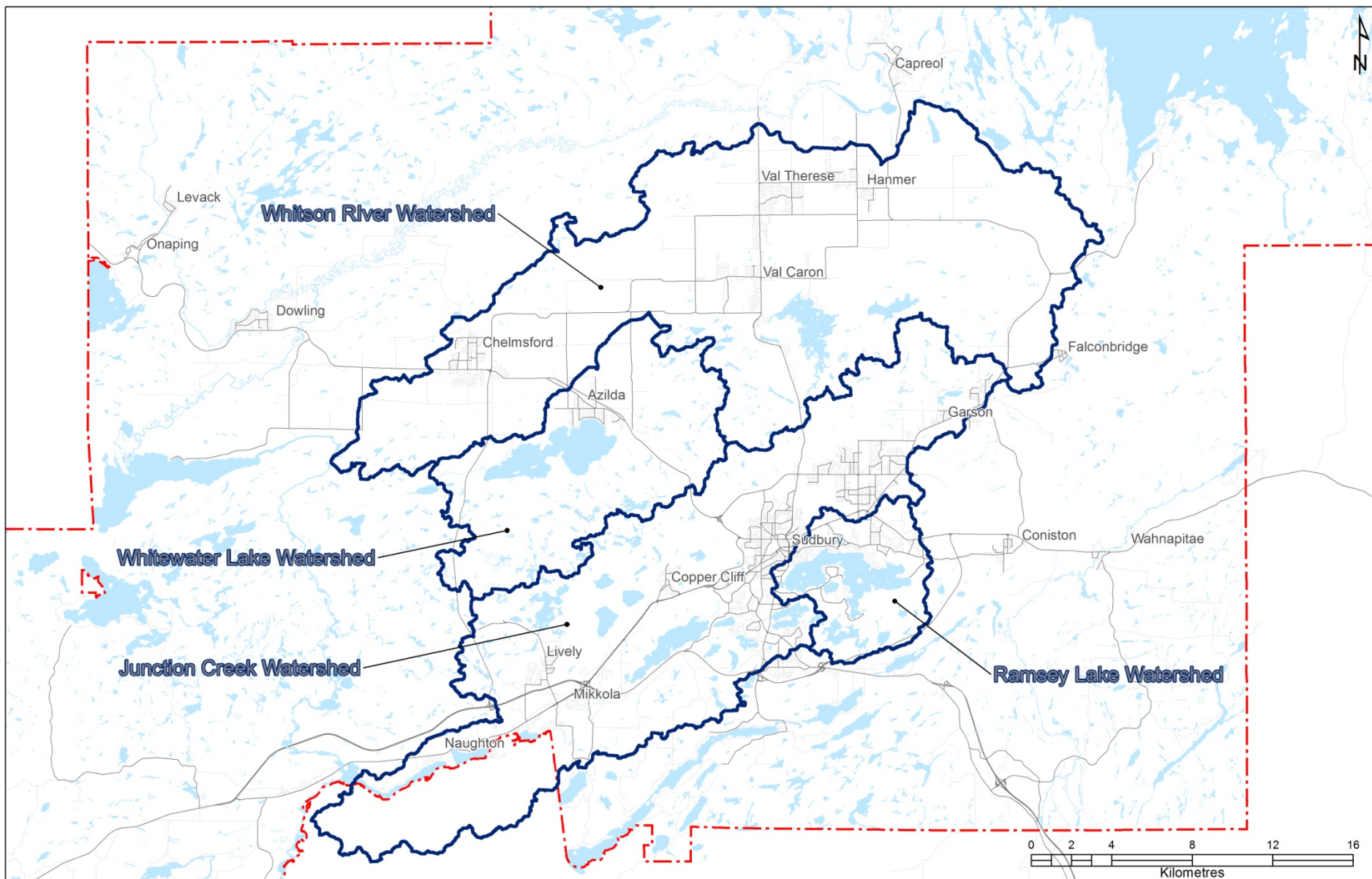
Support of Strategic Plan

- 1.2 Establish Sustainable Asset Service Levels
- 2.3 Strengthen Business and Development Processes and Services to Support Growth
- 3.4 Build Climate Resiliency into Existing Programs
- 6.2 Invest in Infrastructure to Support Community Recreation with a Focus on Quality of Life

Background

- 2006 Stormwater Background Study
- February 2016 MOECC announces funding
- March 2016 Council prioritizes the Subwatershed Studies and Stormwater Master Plans
- Assignment approach created cost efficiencies and another study was initiated

Study Areas



Subwatershed Study Prioritization

| Subwatershed Study | 2016 Stormwater Background Study Subwatershed Name | 2018 Priority/Subwaterdshed Assignment Approach |
|---|---|--|
| Studies in Progress with MECP Funding | | |
| Ramsey Lake | Ramsey Lake | 1 |
| Junction Creek | Junction Creek | 2 |
| | Garson | |
| | Kelley Lake | |
| | Copper Cliff | |
| | Meatbird Creek – Lively | |
| | Simon/ McCharles Lake | |
| Whitewater Lake | Azilda | 3 |
| Whitson River | Whitson River | 4 |
| | Whitson Lake | |
| | Chelmsford | |
| Studies to be Completed with City Funding | | |
| Richard Lake | Richard Lake | 5 |
| Wahnapitae | Coniston | 6 |
| | Wahnapitae | |
| Dowling | Dowling | 7 |

Status of Studies

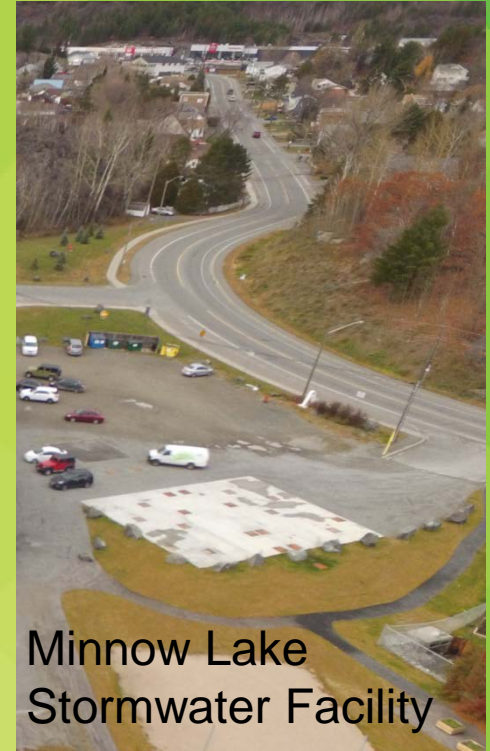
| Milestone | Ramsey Lake | Junction Creek | Whitewater Lake | Whitson River |
|---------------|-------------|----------------|-----------------|---------------|
| Initiation | Summer 2016 | Fall 2016 | Winter 2017 | Fall 2017 |
| Draft Report | In progress | Winter 2019 | In progress | In progress |
| Public Review | Late August | May 2019 | Late August | November |
| ERO Posting | November | Late August | November | Early 2020 |
| Finalize | December | November | December | Early 2020 |

Preliminary Key Findings – Ramsey Lake

- Protection and enhancement of Ramsey Lake as it is a key drinking water source
- Accomplished through management of;
 - Existing infrastructure, and,
 - Future Development.



Second Ave. Stormwater Pond



Minnow Lake
Stormwater Facility

Preliminary Key Findings - Junction Creek

- Take further steps to improve the flood resiliency of the community around Junction Creek and further protect and enhance the natural environment
- Accomplished through;
 - Flood resiliency projects, like DMAF
 - Management of future development, and,
 - Continuation of Re-Greening

1979



Barlow Street

1980



2001



Preliminary Key Findings – Whitewater Lake

- Protection and enhancement of Whitewater Lake as it the most significant natural feature in Azilda.
- Similar to Ramsey Lake this will be accomplished through management of;
 - Existing infrastructure, and,
 - Future Development.



Preliminary Key Findings – Whitson River

At this time the study has not progressed enough to provide specific key findings but the focus is flood resiliency and protection of the environment. It is anticipated that this will mainly be accomplished through management of existing infrastructure and future development.



Thank You