SECTION 1: PROJECT OVERVIEW

Logo design courtesy of Shane VanOosterhout,
Kendall College of Art and Design, Grand Rapids (MI)

What is Rein in the Runoff?

Rein in the Runoff is an Integrated Assessment of stormwater management alternatives available to the communities surrounding Spring Lake (MI). A multidisciplinary team is identifying the causes, consequences, and corrective actions necessary to minimize the negative impacts of stormwater runoff on Spring Lake, the Grand River, and ultimately Lake Michigan.

What is an Integrated Assessment?

An Integrated Assessment is the application of social, economic, and environmental scientific knowledge to a policy question, utilizing input from and providing education to stakeholders. The policy question for this project is:

What stormwater management alternatives are available to the municipalities surrounding Spring Lake (MI) and throughout the Spring Lake Watershed that allow for future development and also lessen the impacts of stormwater and improve the water quality of Spring Lake, the Grand River, and Lake Michigan?

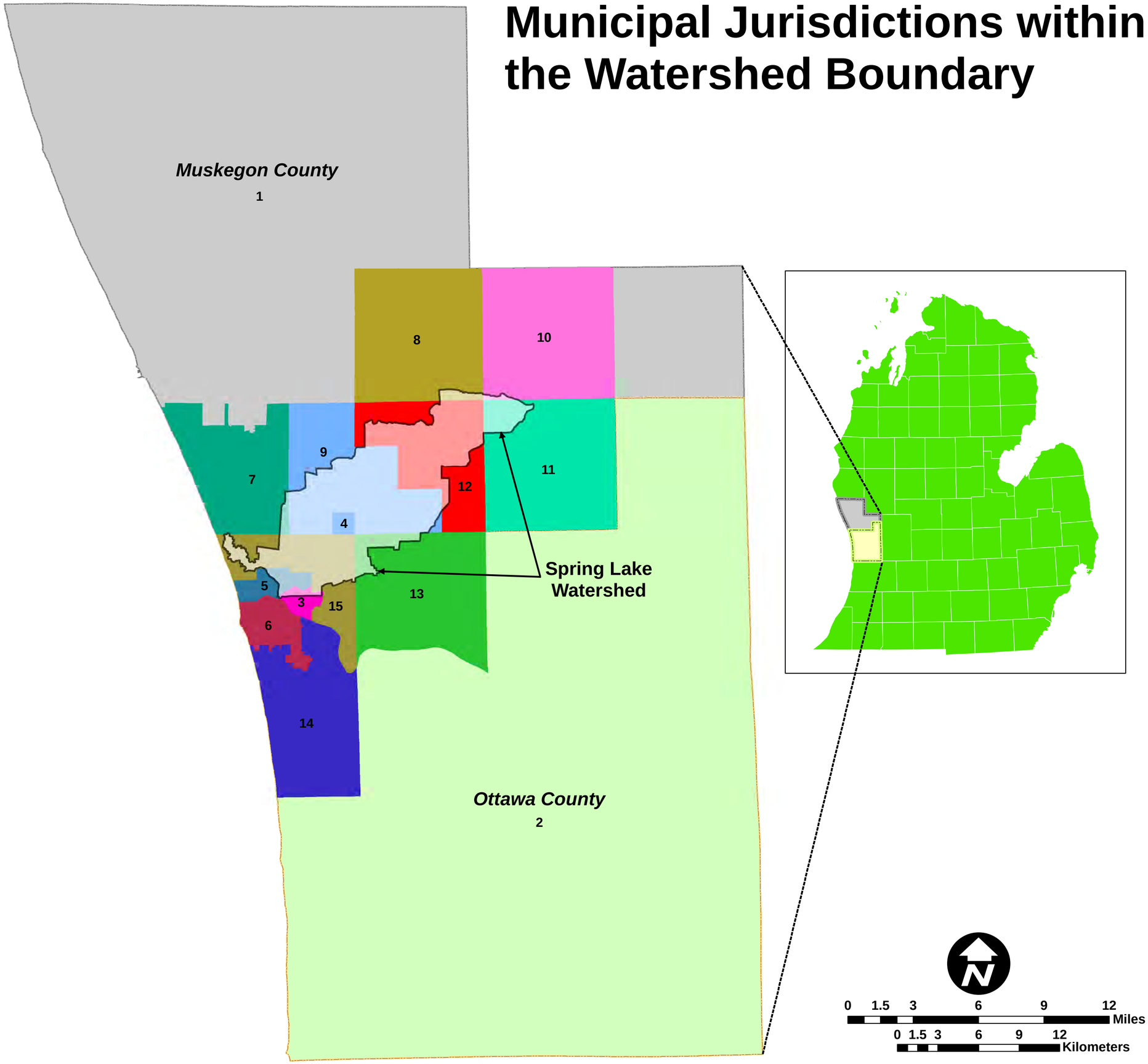
Project Goals

- **Increase residents' and decision-makers' general knowledge and understanding of the causes and consequences of stormwater runoff, and how they apply locally**
- **Increase stakeholder stewardship of water resources, including greater participation in stormwater control and management**
- **Identify inconsistencies between state regulations and/or local ordinances that can improve local stormwater management and control**
- **Provide a suite of alternative stormwater management Best Management Practices (BMPs) tailored to municipalities in the Spring Lake Watershed**

Stakeholders

Participation from stakeholders and citizens throughout the Spring Lake Watershed and its adjacent communities has been an integral component of the Rein in the Runoff project. The project team offered a variety of educational opportunities about stormwater and stormwater runoff at public meetings and community events, to school groups and professional organizations, and on the project website: http://www.gvsu.edu/wri/reinintherunoff. Community members have provided their input to the project team on specific concerns or locations regarding stormwater runoff and water pollution through their participation on the Stakeholder Steering Committee, comments on the website, and participation in the Water Quality Survey.

Municipal Jurisdictions within the Watershed Boundary



Legend

Spring Lake Watershed

Municipal Jurisdictions

1 Muskegon County
2 Ottawa County
3 Village of Spring Lake
4 Village of Fruitport
5 City of Ferrysburg
6 City of Grand Haven
7 City of Norton Shores
8 Egelston Township
9 Fruitport Township
10 Moorland Township
11 Ravenna Township
12 Sullivan Township
13 Crockery Township
14 Grand Haven Township
15 Spring Lake Township

Base Information - Michigan Center for Geographic Information, Department of Information Technology, 2008

N

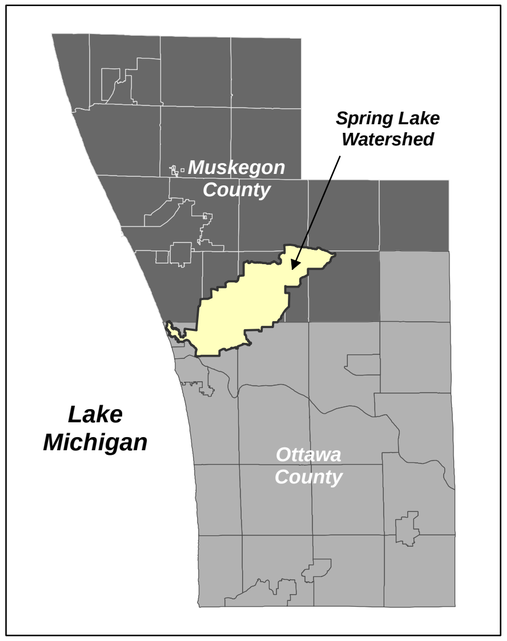
0 1.5 3 6 9 12 Miles

0 1.5 3 6 9 12 Kilometers

Information Services Center
Annis Water Resources Institute
Grand Valley State University

Map Prepared: March 2009

Base Watershed Information



Legend

Base Information

- Drains and Intermittent Streams
- Rivers and streams
- Lakes and ponds
- Highway
- Primary County Road
- Local County Road
- Major City Road
- Minor City Road
- Minor Roads and Two Tracks
- Spring Lake Watershed Boundary

Data Sources:
Base Information - Michigan Center for Geographic Information, Department of Information Technology, 2008

Total Watershed Area: 52.8 square miles

0 0.5 1 2 3 4 Miles

0 0.5 1 2 3 4 Kilometers

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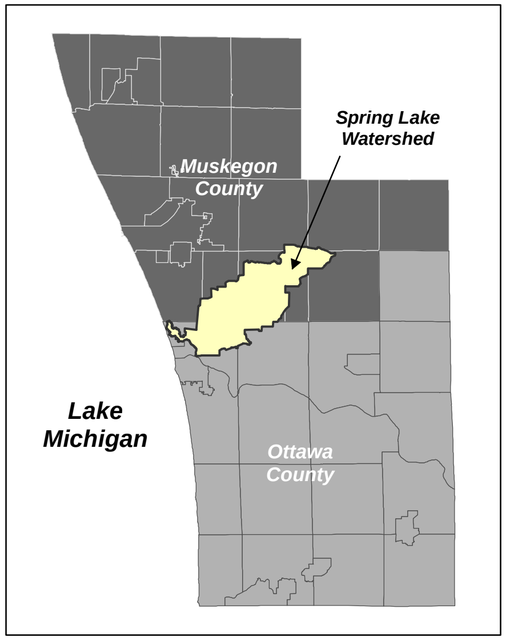
2005 - 2006 Composite Digital Orthophotograph



Legend

Base Information

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- Rivers and streams
- Lakes and ponds
- Highway
- Primary County Road

Data Sources:
2005 - 2006 Digital Orthophotograph - National Agricultural Imagery Program (NAIP) - U.S.D.A. Natural Resources Conservation Service (N.R.C.S.) Data Gateway, 2008

2005 photography for both Muskegon and Ottawa counties was captured on September 19, 2005 and the 2006 photography was captured for Muskegon County on June 8, 2006 and for Ottawa County on June 14, 2006

Base Information - Michigan Center for Geographic Information, Department of Information Technology, 2008

0 0.5 1 2 3 4 Miles

0 0.5 1 2 3 4 Kilometers

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