

Owasco Lake Watershed 2017 Roadside Ditch Assessment



The information included in this assessment was collected between late June and early July 2017. It reflects only a percentage of roadway ditches throughout the watershed that have been recently cleaned and have no visible management practices and/or have not been re-vegetated. The Inspection Program will continue to monitor these ditch segments for stabilization while others are being identified. Ditches that have been disturbed during 2017 and are experiencing erosion due to high water velocities and instability will also be scrutinized.

The goal of this effort is to provide awareness to each town, county, and state jurisdiction, throughout the watershed, to:

1. Ascertain the total linear mileage of exposed/eroding ditches,
2. Encourage each jurisdiction to perform good housekeeping on roadside conveyance systems, and
3. Reduce sediment and nutrient loads to Owasco Lake

Criteria for Ranking Sites

Direct

Connection or proximity to a stream

Percent Vegetation

0-25%

26-50%

51-75%

76-100%

Level of erodibility

High

Moderate

Low

Bank slope

Steep Grade

Moderate Grade

Flat

Linear footage of ditch

≥401 ft

201-400 ft

≤200 ft

Points

10

15

10

5

1

10

5

1

10

5

1

15

10

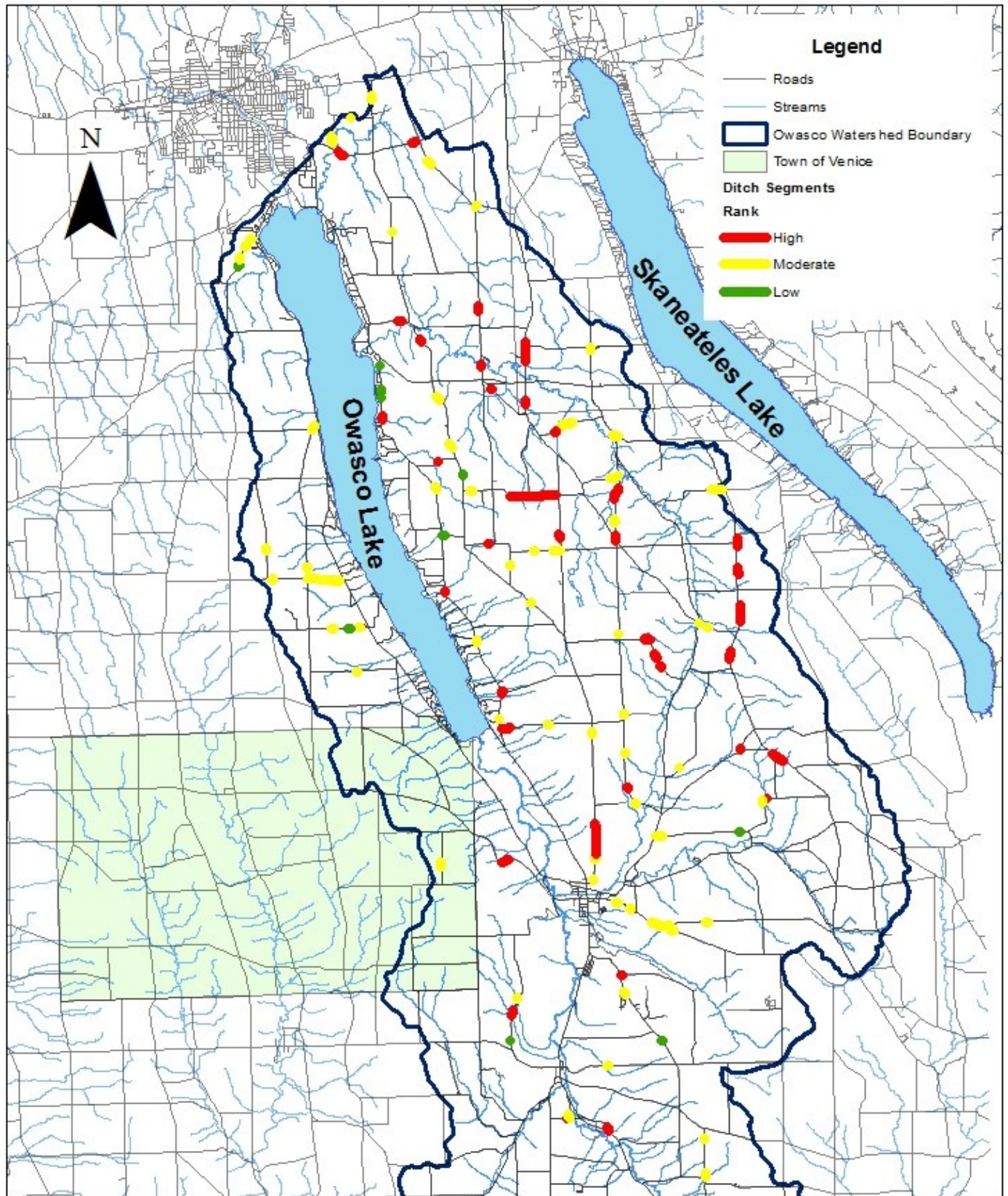
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Total Points	Rank
≤20	Low
21-39	Moderate
40-60	High



A Trimble GPS unit is used to map different features of the ditches, allowing for the Inspection Program to categorize the level of erodibility and risk of ditch failure

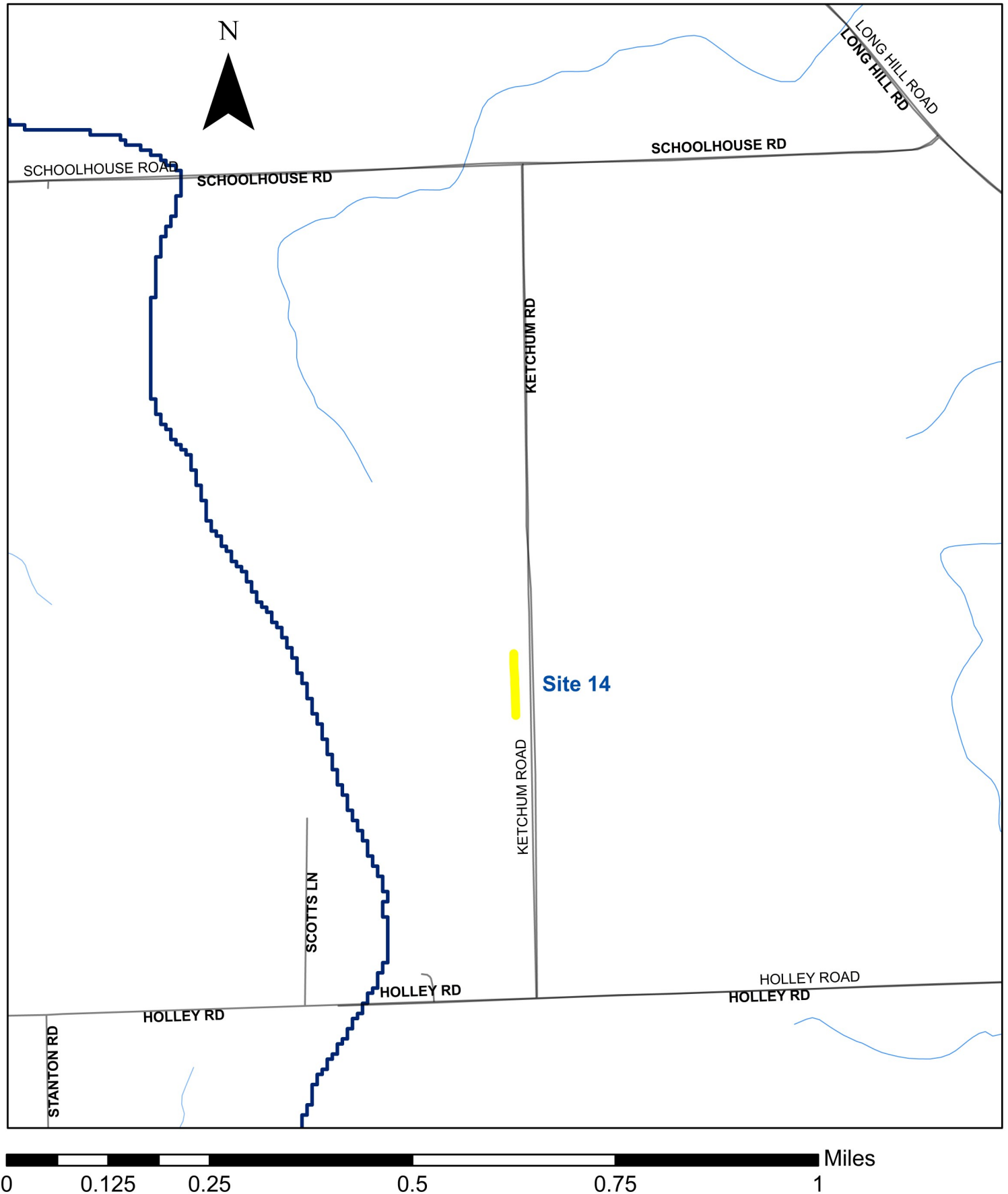
Road Ditch Assessment Sites in the Owasco Lake Watershed (Summer 2017)



Map created by Kathryn Vellone,
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Owasco Lake Watershed Inspection Program
September 5, 2017

0 5 10 Miles

Road Ditch Assessment Sites in Venice (Cayuga County)





Map Identifier: Site 14

Sub-watershed: Owasco Inlet

Road Name: Ketchum Road

Town: Venice

Road Jurisdiction: Town of Venice

Closest Intersection: Ketchum Road/Holley Road

Direct connection or proximity to a stream?: No

Percent Vegetation & Type: 5% Grasses

Level of Erodibility: Moderate

Slope of Area: Flat

Length of Ditch: 400 ft

Management Recommended: Hydroseeding

Resolvability: Moderate

Rank: Moderate (Score = 31)

Estimated Cost: \$600

Summary

Cumulative Roadside Ditch and Total Costs Based on Road Jurisdiction:

Town of Venice:

1 site, 400 ft

\$600