



Owasco Lake Watershed 2015 Roadside Ditch Assessment

Owasco Lake Watershed Inspection Program
7413 County House Road Auburn, NY 13021

The information included in this assessment was collected between mid-September and mid-October 2015. 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 revegetated. The Inspection Program will continue to monitor these ditch segments for stabilization while others are being identified. Ditches that have been disturbed during 2015 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

Points Direct connection or proximity to a stream 10

Percent Vegetation

0-25%	15
26-50%	10
51-75%	5
76-100%	1

Level of erodibility

High	10
Moderate	5
Low	1

Bank slope

Steep	10
Moderate	5
Gradual	1

Linear footage of ditch

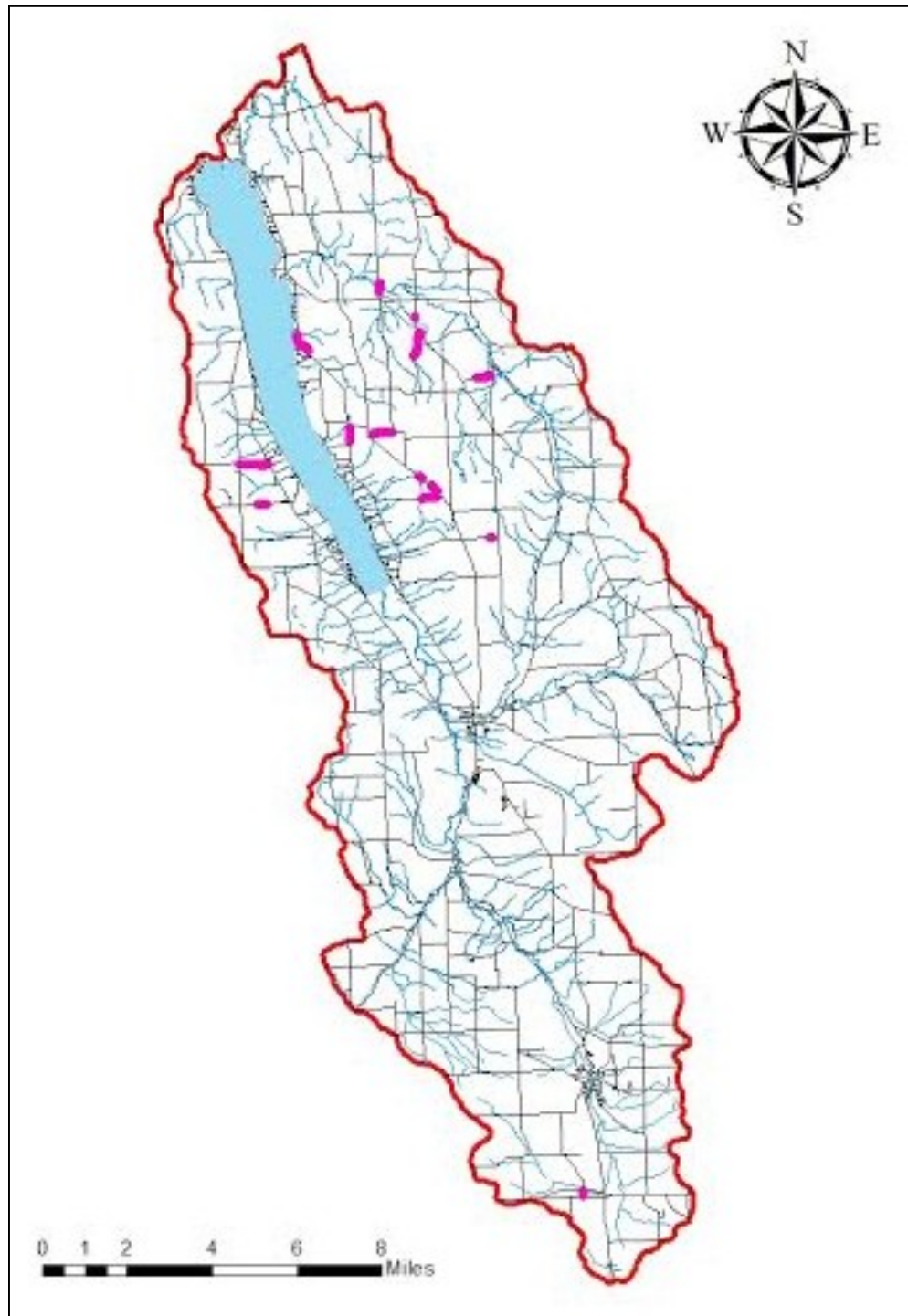
≥ 4,000	15
2,001-3,000	10
≤ 2,000	5

Total Points	Rank
0-30	Low
31-39	Moderate
40-60	High

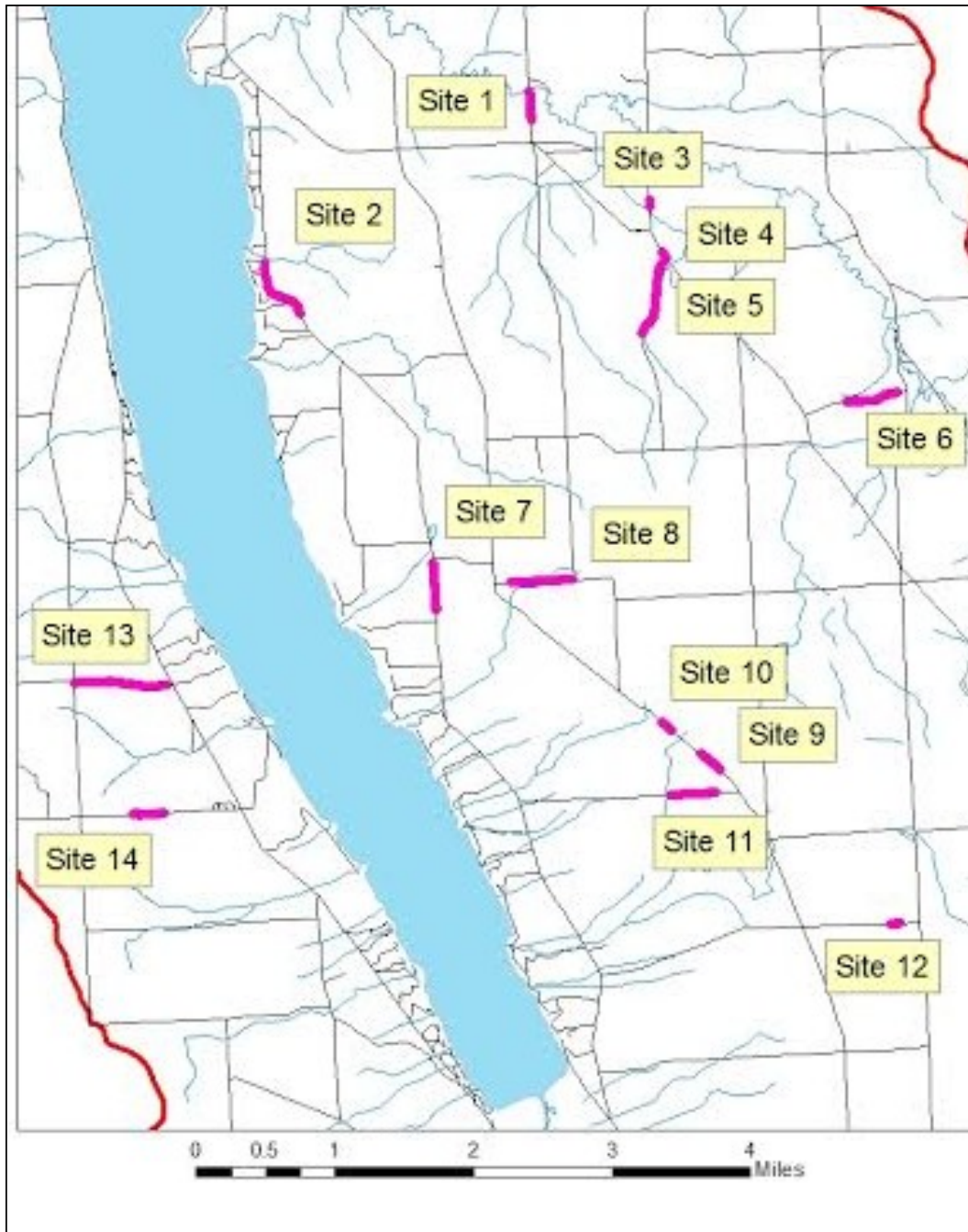


A Trimble GPS unit is used to map different features of the ditches allowing for the Inspection Program to categorize the level of erodibility and risk of ditch failure

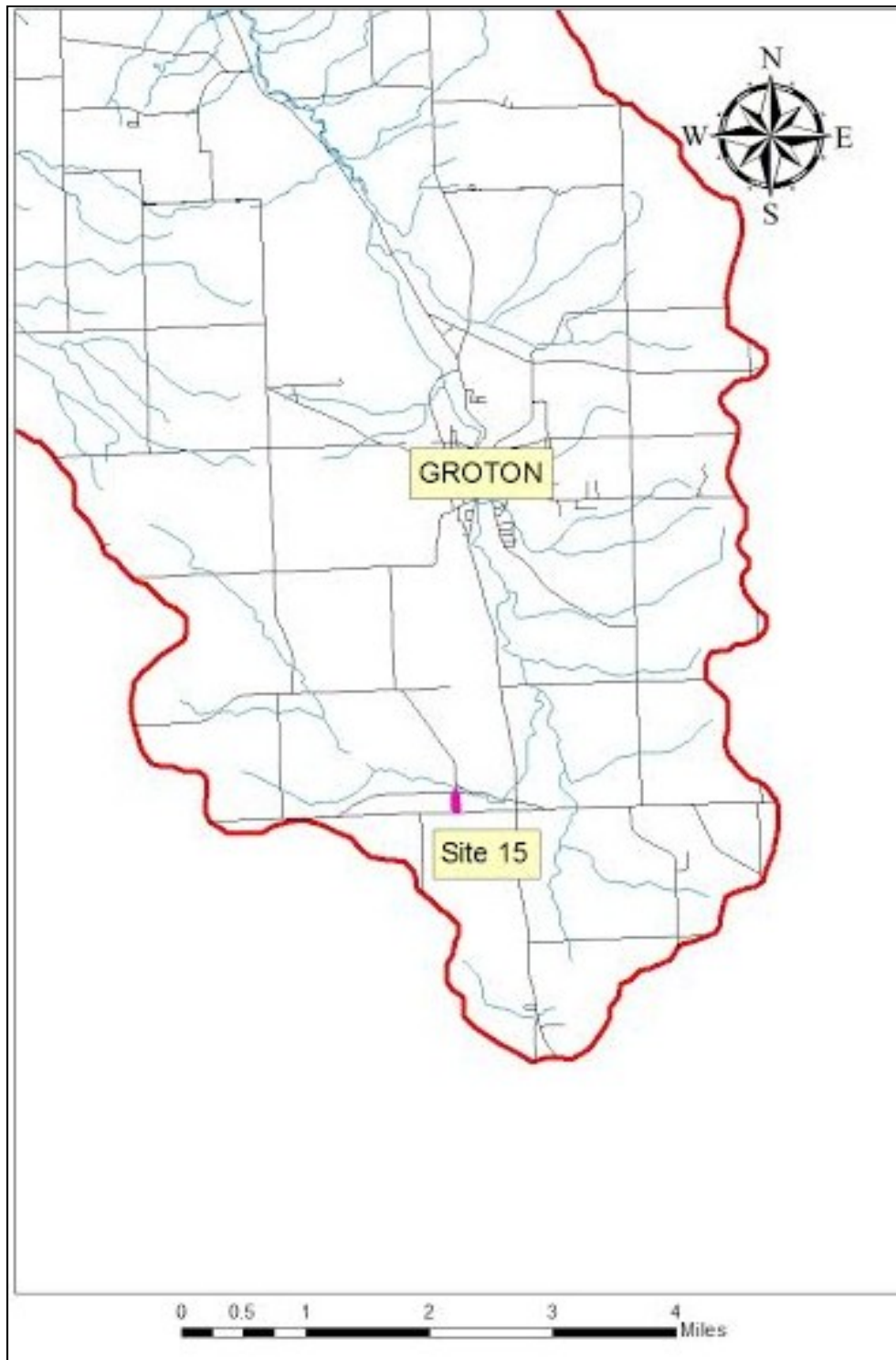
2016 Road Ditch Assessment Map



2016 Road Ditch Assessment Map



2016 Road Ditch Assessment Map



2015 Roadside Ditch Assessment



Map Identification	Site 1
Road Name	North Rd
Town	Owasco
Length of Ditch	1122 ft
Height/Width of Ditch	4-6 ft/3-4 ft
Percent Vegetation	15%
Ground Type	Soil
Current Condition	Continuous Erosion
Sub-Watershed	Dutch Hollow
Road Jurisdiction	County
Closest Intersection	Rt 38A
Rank	Moderate



Map Identification	Site 2
Road Name	Rockefeller Rd
Town	Niles
Length of Ditch	3787 ft
Height/Width of Ditch	2-3 ft/3-4 ft
Percent Vegetation	20%
Ground Type	Soil/Gravel
Current Condition	Continuous Erosion
Sub-Watershed	Direct Drainage
Road Jurisdiction	County
Closest Intersection	Firelane 16A
Rank	Moderate

2015 Roadside Ditch Assessment



Map Identification	Site 3
Road Name	Cemetery Rd
Town	Skaneateles
Length of Ditch	251 ft
Height/Width of Ditch	4-6 ft/3-4 ft
Percent Vegetation	30%
Ground Type	Gravel
Current Condition	Continuous Erosion
Sub-Watershed	Dutch Hollow
Road Jurisdiction	County
Closest Intersection	Twelve Corners
Rank	High



Map Identification	Site 4
Road Name	Twelve Corners
Town	Niles
Length of Ditch	265 ft
Height/Width of Ditch	3-4 ft/6-8 ft
Percent Vegetation	0%
Ground Type	Soil/Gravel
Current Condition	Continuous Erosion
Sub-Watershed	Dutch Hollow
Road Jurisdiction	County
Closest Intersection	Fitzpatrick Rd
Rank	High

2015 Roadside Ditch Assessment



Map Identification	Site 5
Road Name	Fitzpatrick Rd
Town	Niles
Length of Ditch	3336 ft
Height/Width of Ditch	4-6 ft/3-5ft
Percent Vegetation	15%
Ground Type	Gravel
Current Condition	Continuous Erosion
Sub-Watershed	Dutch Hollow
Road Jurisdiction	County
Closest Intersection	Twelve Corners
Rank	High



Map Identification	Site 6
Road Name	Richardson Rd
Town	Niles
Length of Ditch	2012 ft
Height/Width of Ditch	2-3 ft/2-4 ft
Percent Vegetation	0%
Ground Type	Gravel
Current Condition	Continuous Erosion
Sub-Watershed	Dutch Hollow
Road Jurisdiction	Local
Closest Intersection	Old State Rd
Rank	High

2015 Roadside Ditch Assessment



Map Identification	Site 7
Road Name	Rockefeller Rd
Town	Niles
Length of Ditch	1821 ft
Height/Width of Ditch	3-4 ft/4-5 ft
Percent Vegetation	0%
Ground Type	soil
Current Condition	Continuous Erosion
Sub-Watershed	Direct Drainage
Road Jurisdiction	County
Closest Intersection	Arnold Rd
Rank	Moderate



Map Identification	Site 8
Road Name	Grange Hall Rd
Town	Niles
Length of Ditch	2356 ft
Height/Width of Ditch	2-3 ft/3-4 ft
Percent Vegetation	80%
Ground Type	Soil/Grass
Current Condition	Slight Erosion
Sub-Watershed	Direct Drainage
Road Jurisdiction	County
Closest Intersection	Gahwiler Rd
Rank	Low

2015 Roadside Ditch Assessment



Map Identification	Site 9
Road Name	Oak Hill Rd
Town	Niles
Length of Ditch	1000 ft
Height/Width of Ditch	2-3ft/3-4 ft
Percent Vegetation	0%
Ground Type	Soil
Current Condition	Continuous Erosion
Sub-Watershed	Direct Drainage
Road Jurisdiction	County
Closest Intersection	Quarry Rd
Rank	Moderate



Map Identification	Site 10
Road Name	Oak Hill Rd
Town	Niles
Length of Ditch	488 ft
Height/Width of Ditch	2-3 ft/3-4 ft
Percent Vegetation	0%
Ground Type	Soil
Current Condition	Continuous Erosion
Sub-Watershed	Direct Drainage
Road Jurisdiction	County
Closest Intersection	Quarry Rd
Rank	Moderate

2015 Roadside Ditch Assessment



Map Identification	Site 11
Road Name	Duryea St.
Town	Niles
Length of Ditch	1757 ft
Height/Width of Ditch	3-4 ft/5-6 ft
Percent Vegetation	30%
Ground Type	Soil/Gravel
Current Condition	Continuous Erosion
Sub-Watershed	Direct Drainage
Road Jurisdiction	County
Closest Intersection	Oak Hill Rd
Rank	High



Map Identification	Site 12
Road Name	Jugg Street
Town	Moravia
Length of Ditch	385 ft
Height/Width of Ditch	2-3 ft/4-5 ft
Percent Vegetation	15%
Ground Type	Woody
Current Condition	Continuous Erosion
Sub-Watershed	Direct Drainage
Road Jurisdiction	County
Closest Intersection	Corrigan Rd
Rank	Low

2015 Roadside Ditch Assessment



Map Identification	Site 13
Road Name	Hick Rd
Town	Venice
Length of Ditch	1430 ft
Height/Width of Ditch	3-4 ft/4-5 ft
Percent Vegetation	20%
Ground Type	Soil/Grasses
Current Condition	Continuous Erosion
Sub-Watershed	Direct Drainage
Road Jurisdiction	County
Closest Intersection	Wyckoff
Rank	High



Map Identification	Site 14
Road Name	Center Rd
Town	Venice
Length of Ditch	3534 ft
Height/Width of Ditch	2-3 ft/3-4 ft
Percent Vegetation	15%
Ground Type	Gravel
Current Condition	Continuous Erosion
Sub-Watershed	Direct Drainage
Road Jurisdiction	County
Closest Intersection	Wyckoff
Rank	High

2015 Roadside Ditch Assessment



Map Identification	Site 15
Road Name	Sobers Rd
Town	Groton
Length of Ditch	657 ft
Height/Width of Ditch	3-4 ft/6-8 ft
Percent Vegetation	0%
Ground Type	Soil/Gravel
Current Condition	Continuous Erosion
Sub-Watershed	Owasco Inlet
Road Jurisdiction	County
Closest Intersection	Old Peruville
Rank	High

2015 Cumulative Roadside Ditch Per Town

Town of Owasco:	1,122 ft
Town of Skaneateles:	251 ft
Town of Niles:	16,822 ft
Town of Moravia:	385 ft
Town of Venice:	3,674 ft
Town of Groton:	657 ft
TOTAL	22,911 ft (4.34 mi.)

2014 Cumulative Roadside Ditch Per Town

Town of Owasco:	500 ft
Town of Niles:	3,900 ft
Town of Moravia:	6,000 ft
Town of Locke:	250 ft
Town of Scipio:	2,500 ft
Town of Fleming:	2,500 ft
TOTAL	15,650 ft

For More Information on
 Technical Assistance
 Hydroseeding
 Ditch Management
 Sediment Traps
 And Other Erosion Controls

Please Contact

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