

Stories of Lake Simcoe: Science to Action

LSRCA Board of Directors

June 26, 2020

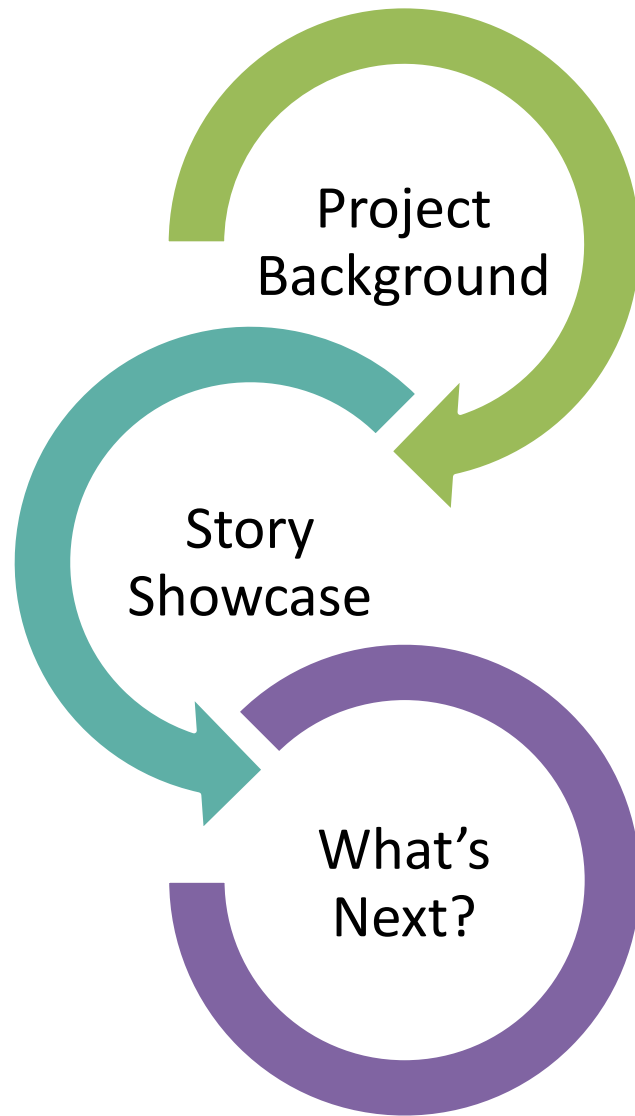
Nancie Knight, Communications Specialist



Lake Simcoe Region
conservation authority



Member of Conservation Ontario



Our Objectives



Inform

Engage

Empower

Project Team



GIS



Forestry



Integrated
Watershed
Management



Restoration







Communications


Story Showcase



Stories of Lake Simcoe - Science to Action

A Story Map     Lake Simcoe Region
conservation authority

Introduction | A View of the Lake | From the Land to the Lake | The Stories Fish Tell | Forestry in a Climate of Change | Take Action



The Lake Simcoe Watershed

Story Navigation



Stories of Lake Simcoe - Science to Action

A Story Map

Introduction **A View of the Lake** From the Land to the Lake The Stories Fish Tell Forestry in a Climate of Change Take Action

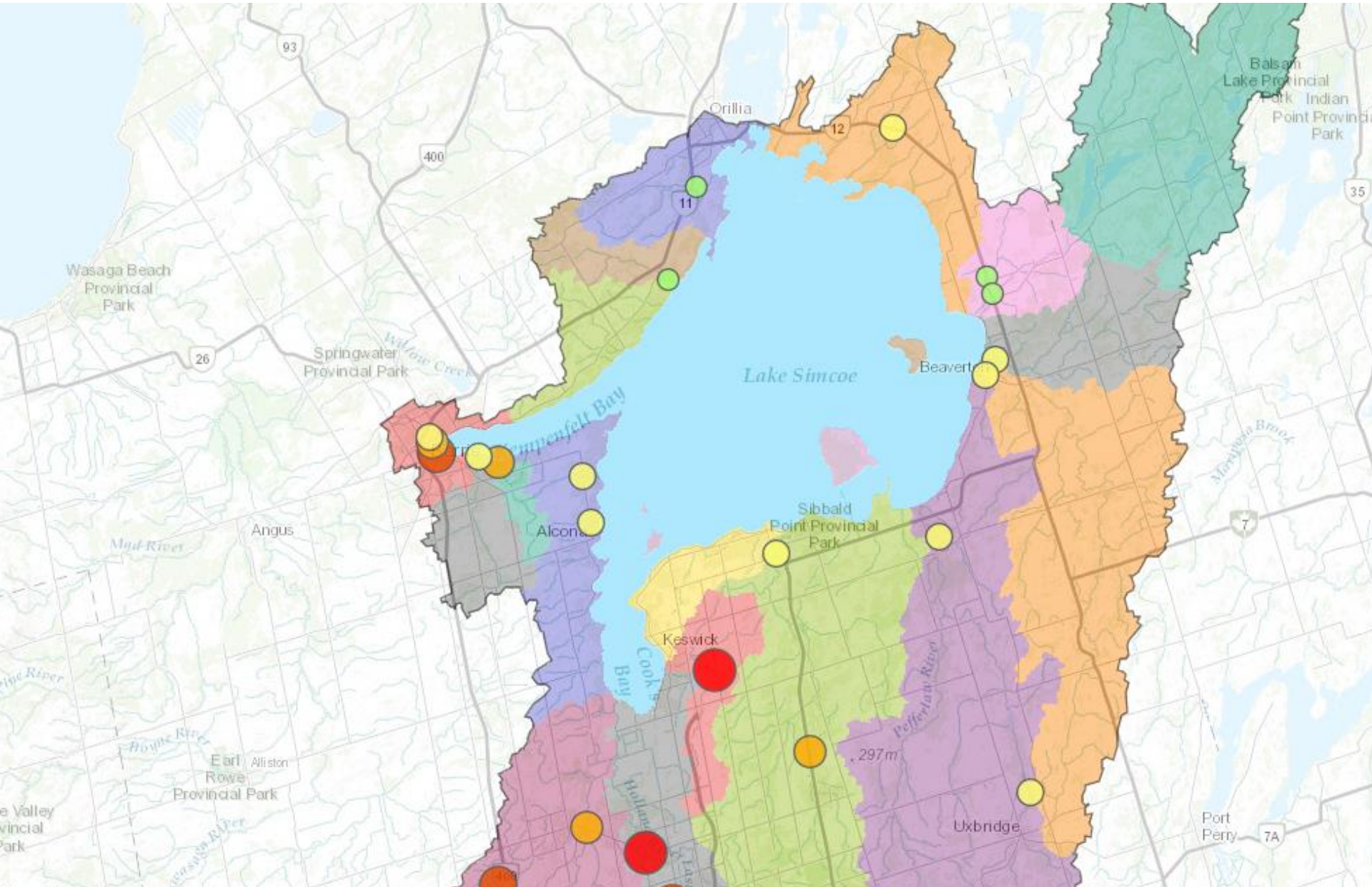
A View of the Lake Aquatic Plants Mussel Trouble Restoring the Lake

You Say Weeds, We Say Aquatic Plants

One of the indicators of health in Lake Simcoe is its aquatic plant community.

Aquatic plants are a natural, normal, and necessary part of a healthy lake ecosystem. Fish (and other animals) rely on them for shelter, shade and protection ... and they also improve water quality and protect shorelines from erosion.

From the Land to the Lake



Explore the Watershed

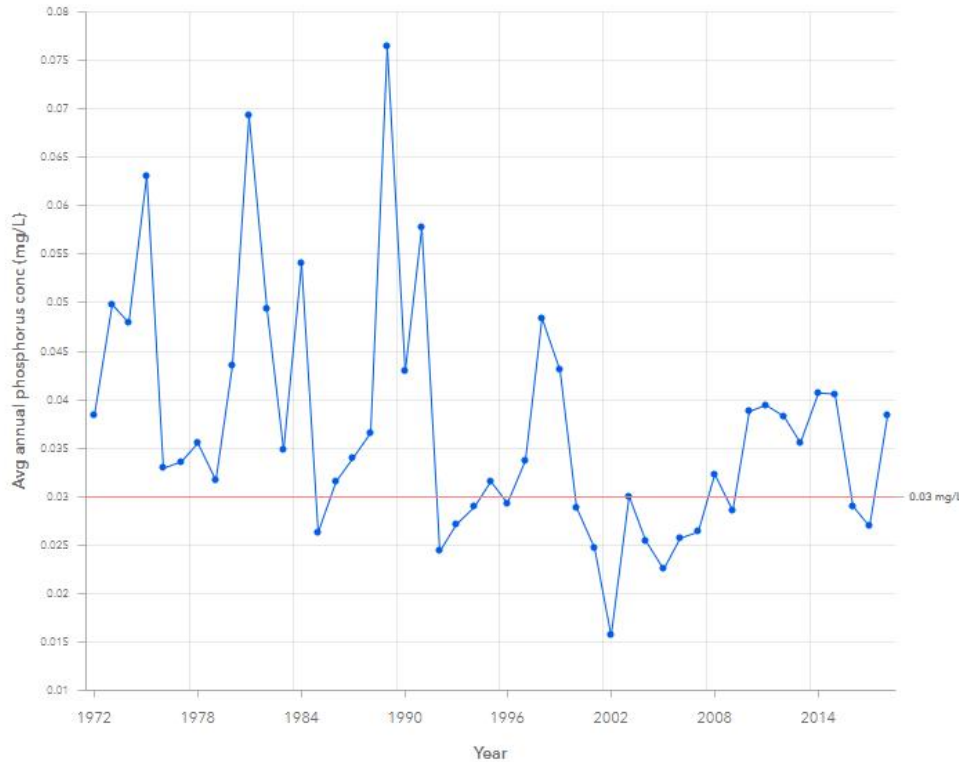


KPI - Water Quality - Phosphorus Concentrations

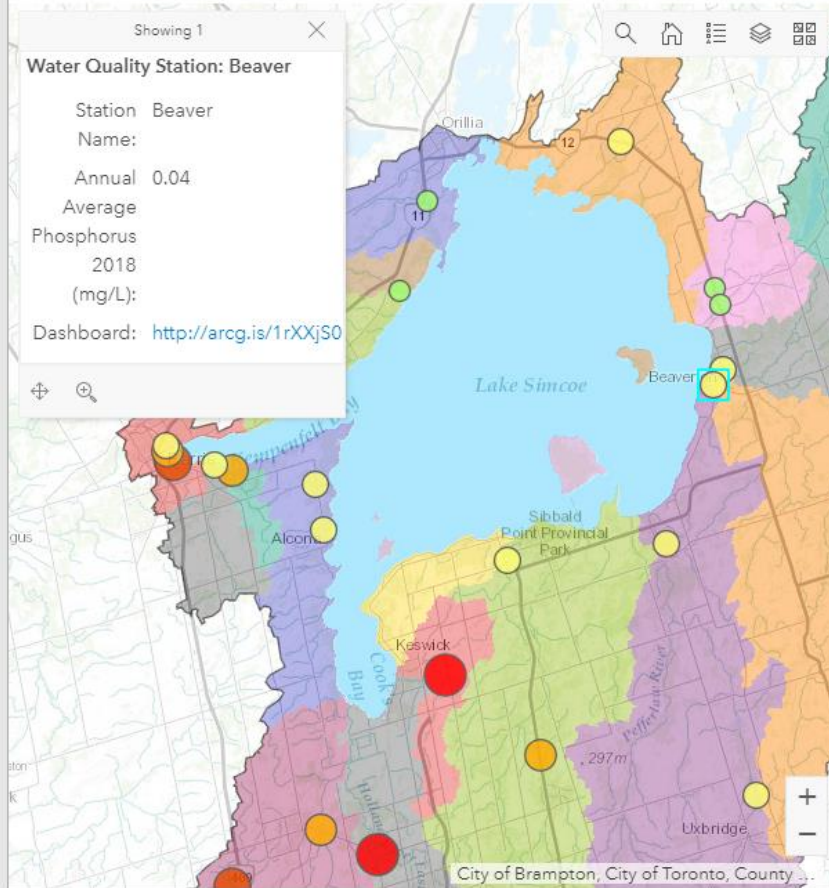
Select Station:

Charts for Beaver Station

Phosphorus concentrations



Click a point on the map to learn the station name. Use the drop-down menu on the top right to select the station and view the station charts.



Concentration | Attainment | Breakdown

Restoration Highlight



Marsh farmers like Ted Mendrek are doing their part.

Mendrek Farms is one of **125 farms** in the Marsh. In the past **4 years**, Ted has completed **10 projects** on his **55 acre** farm.



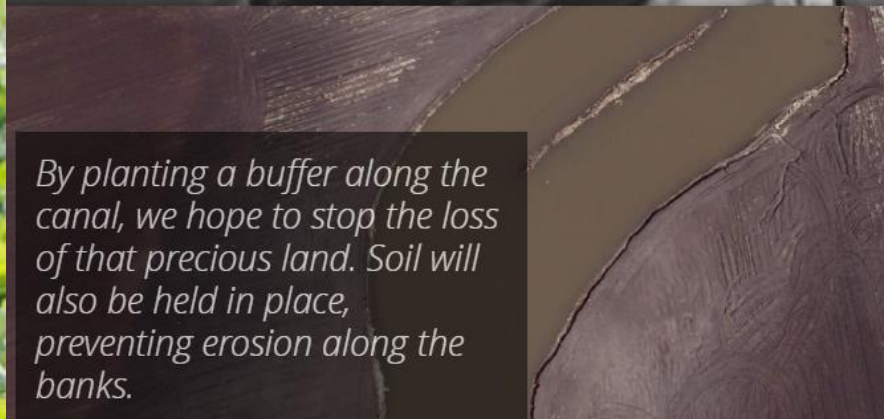
From the Land to the Lake

In the past 13 years, we've funded more than 85 projects in the Marsh.

These projects range from de-dirting equipment and tile outlet control structures, to tree planting and cover crops.

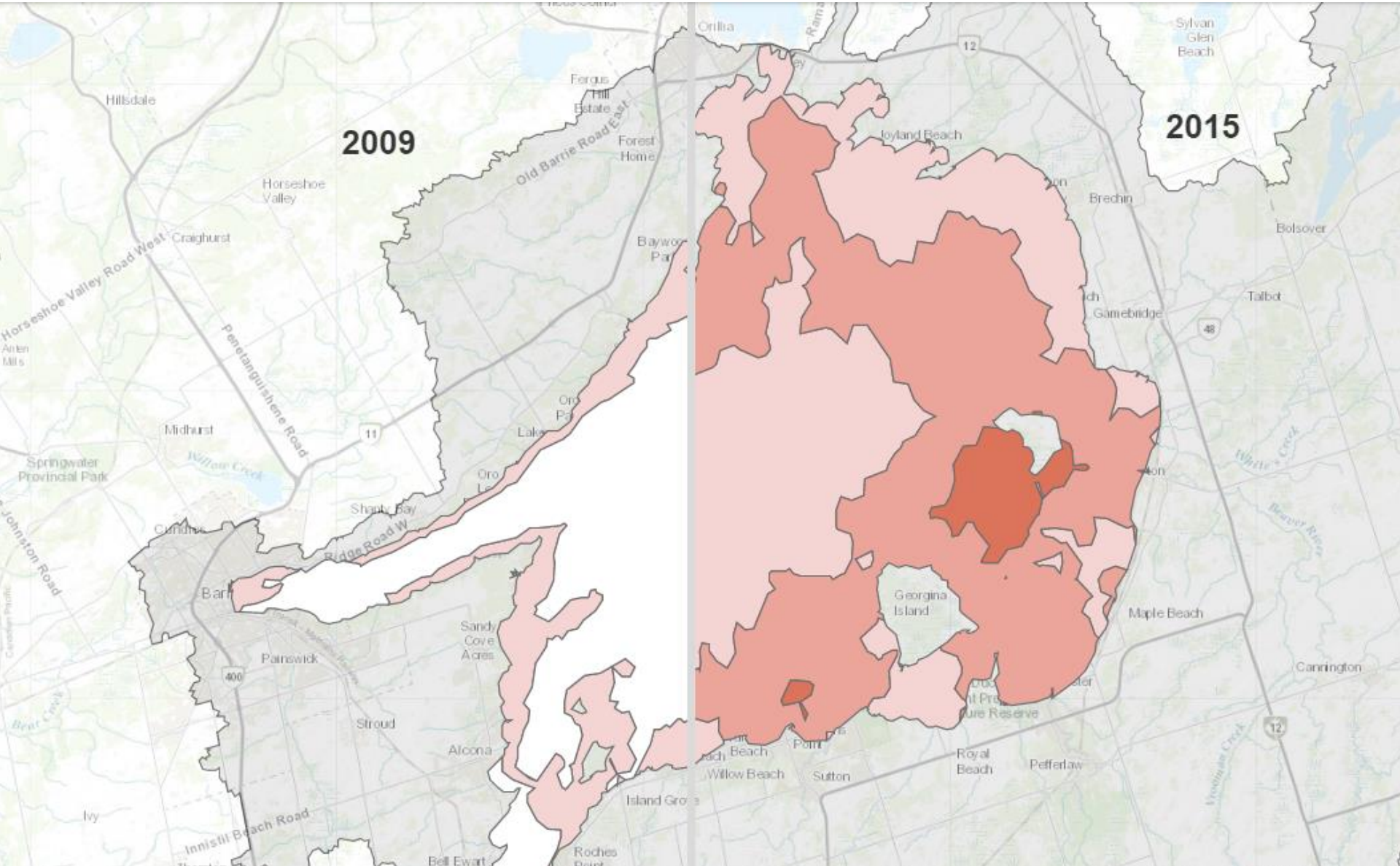
In the past five years alone, we've planted 2,400 ha of cover crops!

Year	Projects Funded
2014	4
2015	4
2016	2
2017	8
2018	14

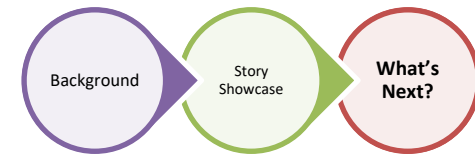


By planting a buffer along the canal, we hope to stop the loss of that precious land. Soil will also be held in place, preventing erosion along the banks.

A View of the Lake



What's Next?



- Annual updates to data
- Potential expansion based on feedback and website views
- Active promotion throughout 2020

Questions?