

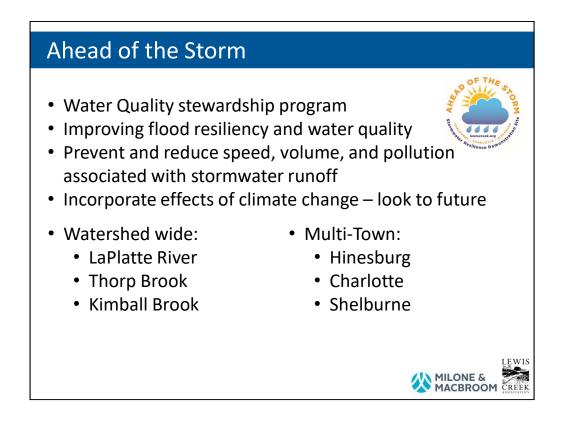
Overview

- Learn about:
 - What is Ahead of the Storm?
 - Water Quality Sampling
 - Scorecard map
 - Optimal Conservation Practices
- Complete:
 - Visit LCA website to view resources





MILONE & MACBROOM



2014 members of the Charlotte Congregational Church and LCA joined to discuss serious decline of Lake Champlain's health and water quality

Committed to helping communities change the way stormwater is managed

Reduce water pollution

Be more prepared for extreme weather events

Ahead of the Storm Partners

- Lewis Creek Association
- Milone & MacBroom
- Charlotte Congregational Church
- Town of Shelburne
- Town of Hinesburg
- Town of Charlotte
- South Chittenden River Watch
- LaPlatte Watershed Partnership
- Place Creative Company
- AOTS Demonstration Site Property Owners
- Kelsey Trust, Vermont Community Foundation
- Vermont Agency of Natural Resources
- Winooski Natural Resources Conservation District
- Lake Champlain Basin Program
- VTrans Better Roads Program
- UVM Lake Champlain Sea Grant
- The Nature Conservancy, Vermont Chapter
- CVSD School District



MILONE & MACBROOM EWIS

Many Many Partners

Without participating landowners there is no project

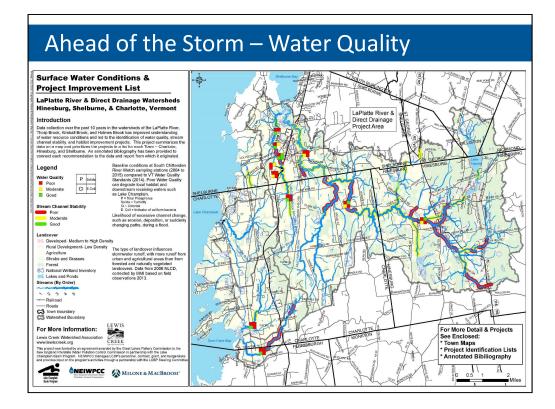


Does anyone know what is tested during water quality monitoring?

Volunteers complete it

Why would we want to have this data? – to understand the problems and guide how to fix them

Phosphorus, Chloride, E.Coli, Solids, Nitrogen



Describe water quality sampling locations.

With students this would be good to have as a handout blown up big so they can find areas themselves

Where is your school

What do the 4 squares mean? – volunteers do the water quality monitoring and this is a summary of the results

Where is there the highest Phosphorus = in LaPlatte River and direct lake watersheds

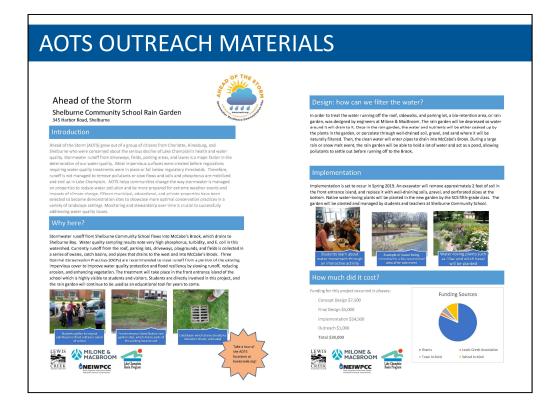
SLOW II	DOWN	SPREAD IT OUT	SOAK IT IN
Increase Ro	oughness of Land	Disperse Flow Paths	Increase Infiltration
Surfaces		Interrupt Flow Paths	Minimize Disturbance
Decrease S	lopes	Direct to Infiltration	Minimize Impervious
Dissipate Energy			Surfaces & Soil Compaction
GUIDING	PRINCIPLES IN DESIGNING (DCPS FOR WATER Q	UALITY PROTECTION & FLOOD RESILIENCY
~	Slow the rate of water flow	~	Reverse cumulative impacts from
\checkmark	Increase the amount of infiltrati		multiple problem areas
~	Reduce soil movement and eros		Use practices known to reduce
\checkmark	Enhance the capacity of natural vegetated land to trap sediment		phosphorus-rich runoff Use practices that are cost-effective
\checkmark	Maintain water quality even du		and feasible for landowners
	storm events	√	Go beyond the minimum design
~	Consider stream stability and wa quality of the greater river syste		requirements to achieve OCPs

This list is included in the AOTS intro packet – a great resource – along with examples, references, glossary

Bring up Intro Packet to show what the document is.



Go to webpage and look at an example location with documentation Have SCS or other packet on hand in case web link doesn't work.



Summaries of each site area available at the Charlotte Library and on the LCA website Giver overview of the project, the need, the design, and costs