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Surface Water Conditions & Ahead of the Storm Project Location

LaPlatte River & Direct Drainage Watersheds Hinesburg, Shelburne, & Charlotte, Vermont

Introduction

Data collection over the past 10 years in the watersheds of the LaPlatte River, Thorp Brook, Kimball Brook, and Holmes Brook has improved understanding of water resource conditions and led to the identification of water quality, stream channel stability, and habitat improvement projects. This project summarizes the data on a map and prioritizes the projects in a list for each Town – Charlotte, Hinesburg, and Shelburne. An annotated bibliography has been provided to connect each recommendation to the data and report from which it originated.

Legend

Water Quality

- Poor
- Moderate
- Good

Stream Channel Stability

- ▬ Poor
- ▬ Moderate
- ▬ Good

Water Quality Station Subwatershed

- ▬ H 01
- ▬ HT 01
- ▬ K 02
- ▬ T 01
- ▬ LP 03
- ▬ LP 05
- ▬ LP 09
- ▬ MB 02
- ▬ MB 02a
- ▬ MB 03
- ▬ MB 04
- ▬ MB 05

National Wetland Inventory

Lakes and Ponds

Streams (By Order)

- ▬ 1
- ▬ 2
- ▬ 3
- ▬ 4
- ▬ 5

Railroad

Roads

Town Boundary

Watershed Boundary

For More Information:

Lewis Creek Watershed Association
www.lewis-creek.org



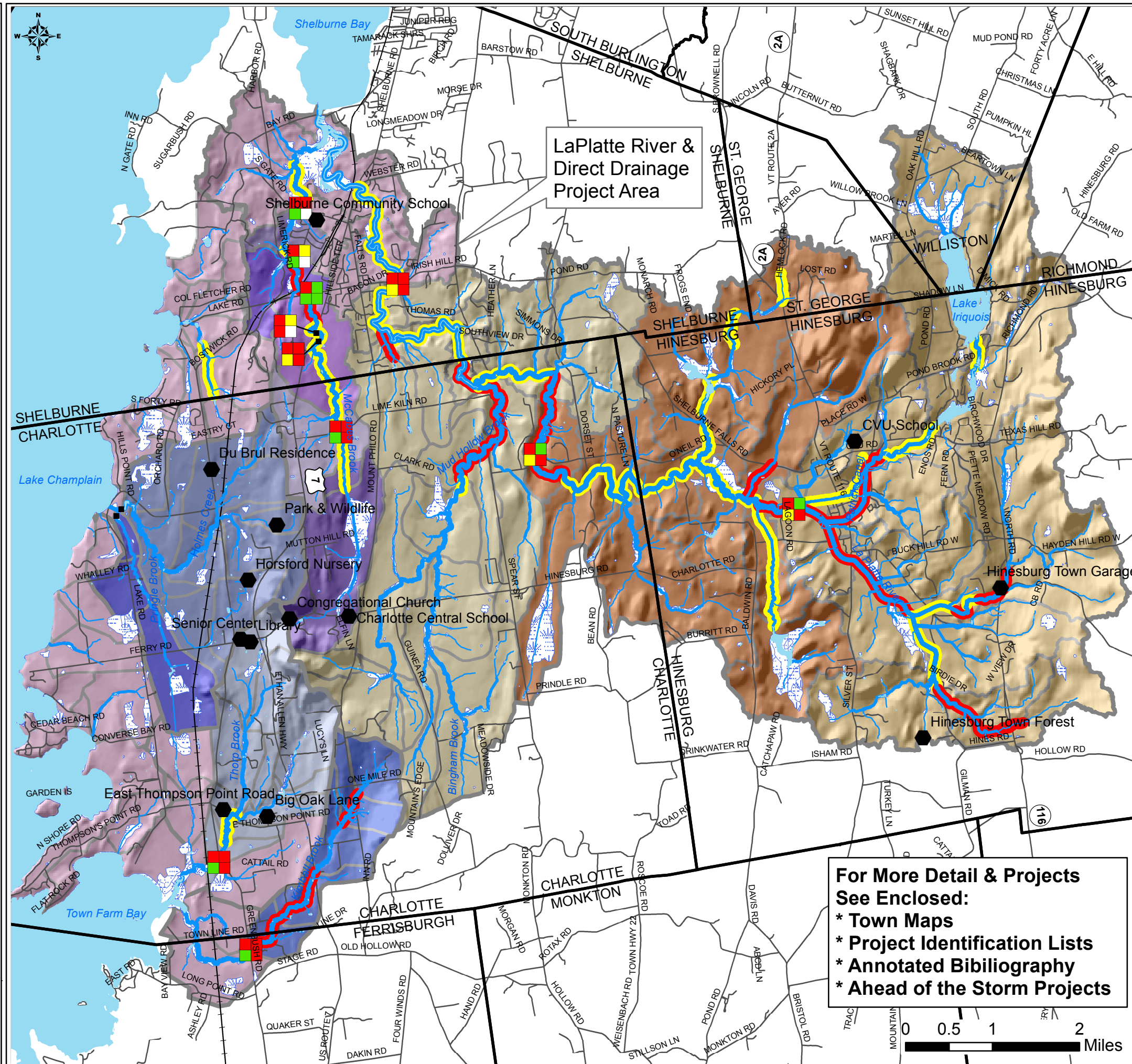
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Baseline conditions at South Chittenden River Watch sampling stations (2004 to 2015) compared to VT Water Quality Standards (2014). Poor Water Quality can degrade local habitat and downstream receiving waters such as Lake Champlain.

P = Total Phosphorus
Solids = Turbidity
Cl = Chloride
E. Coli = Indicator of coliform bacteria

Likelihood of excessive channel change, such as erosion, deposition, or suddenly changing paths, during a flood.



For More Detail & Projects See Enclosed:

- * Town Maps
- * Project Identification Lists
- * Annotated Bibliography
- * Ahead of the Storm Projects

