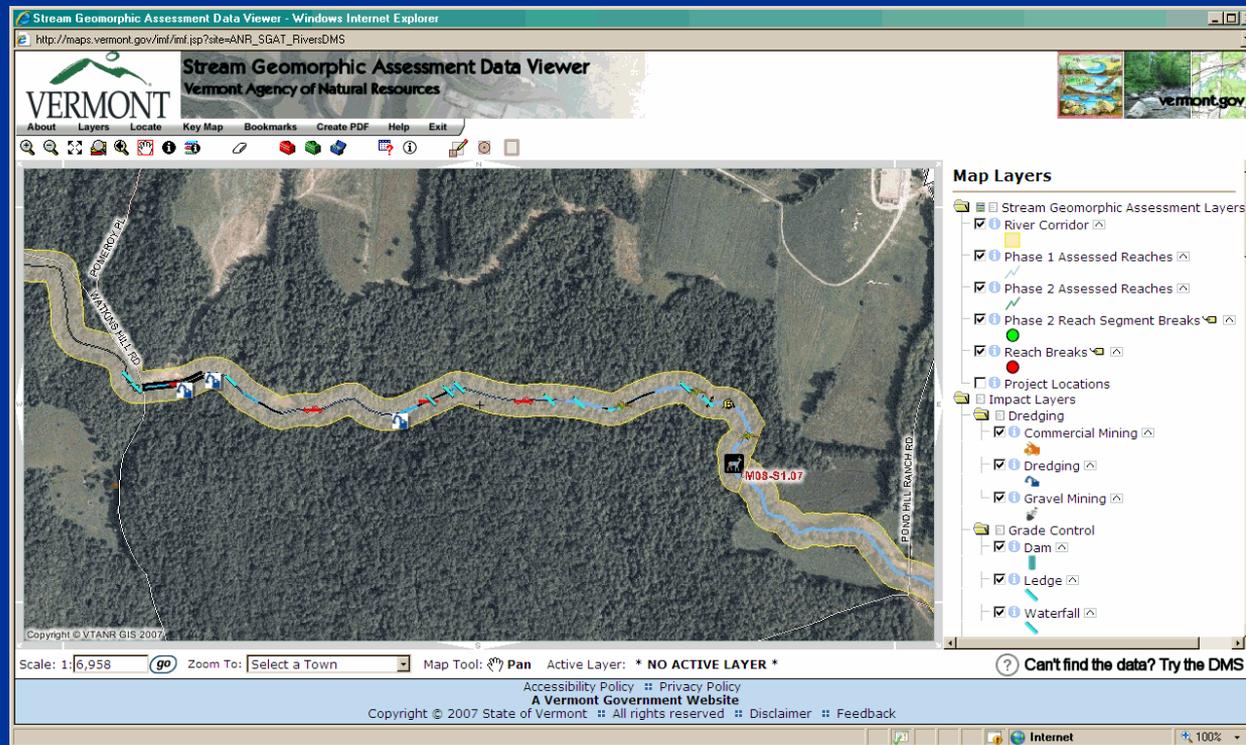


River Management Stream Geomorphic Assessment Viewer (RMSGAV)



Vermont Agency of Natural Resources

Overview

- Web Based Map Program
- Interface for public to access Stream Geomorphic Assessment Data
- Allows the user to locate, query, and export data on many of Vermont's Rivers

Uses of the SGA Data

- Helps policymakers, scientists, planners, and a wide range of users make more informed river management, protection, and restoration decisions

Getting Started

http://maps.vermont.gov/imf/sites/ANR_SGAT_RiversDMS/jsp/launch.jsp?popup_blocked=true

- Pop-up Blockers
- Disclaimer



VERMONT River Management Stream Geomorphic Assessment Viewer
Vermont Agency of Natural Resources vermont.gov

Welcome to the River Management Stream Geomorphic Assessment Viewer (RMSGAV)

The purpose of this web map is to provide both public and private groups with geographic information concerning physical assessments of Vermont river watersheds. The physical or stream geomorphic assessments are used to help make more informed river protection, management and restoration decisions. The Viewer is constructed to help with data report and map production for assessed streams and watersheds.

This lightweight web-based viewer provides access to powerful tools and extensive geographic information, designed with an audience of non-expert users in mind. Before continuing please read the following description of the ANR data quality assurance program:

The Geomorphic Assessment Viewer is provided to give the public access to river information collected largely by private sector scientists throughout the State of Vermont. The ANR River Management Program directly or indirectly contracts the assessment work and conducts data quality assurance checks to ensure the accuracy of the data made available through this site. Some data sets are a work in progress and have not passed all quality assurance checks. Each report constructed for printing from the Viewer indicates whether data quality assurance checks are "complete" or if the data should still be viewed as "provisional." The River Management Program Scientists should be consulted on the appropriate use of this data.

- If you are new to the application, check out our quick, informative [Tutorial](#).
- Read, understand & accept our [Terms of Use](#).

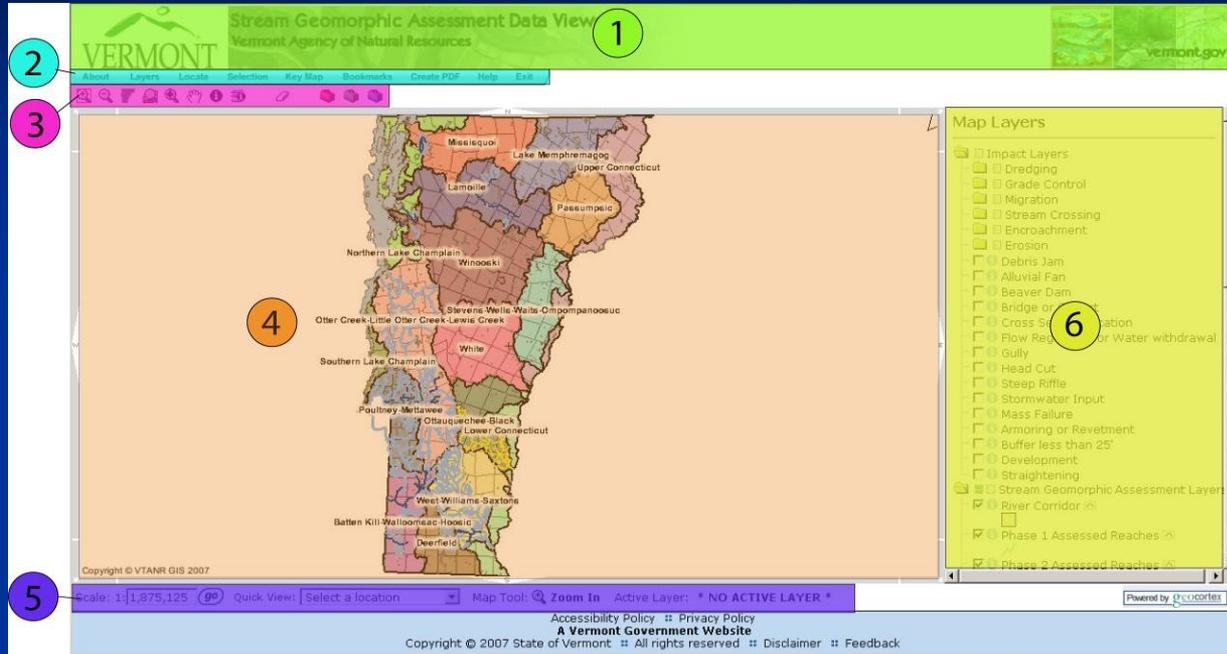
Important: We have detected you are using a Pop-up blocker.

You must disable this feature while using this web map. [More Info...](#)
Once you have disabled your Pop-up blocker, click below to verify

 **Launch Map Viewer**

The web map viewer uses licensed [Geocortex® IMF](#) technology

Basic Navigation



1. Banner

2. Menu Bar

3. Tool Bar

4. Main Display

A map of Vermont with all 17 planning basins

Phase 1 assessed rivers in light blue

Phase 2 assessed rivers in green blue

5. Active Status Bar

6. Active Menu Window (default "map layers")

Menu Bar

About Layers Locate Key Map Bookmarks Create PDF Help Exit

When any button on the Menu Bar is clicked on:

- An **Active Menu Window** will appear on the right
- This **Active Menu Window** will contain tools that are specific to the menu chosen

- About
- Help
- Exit

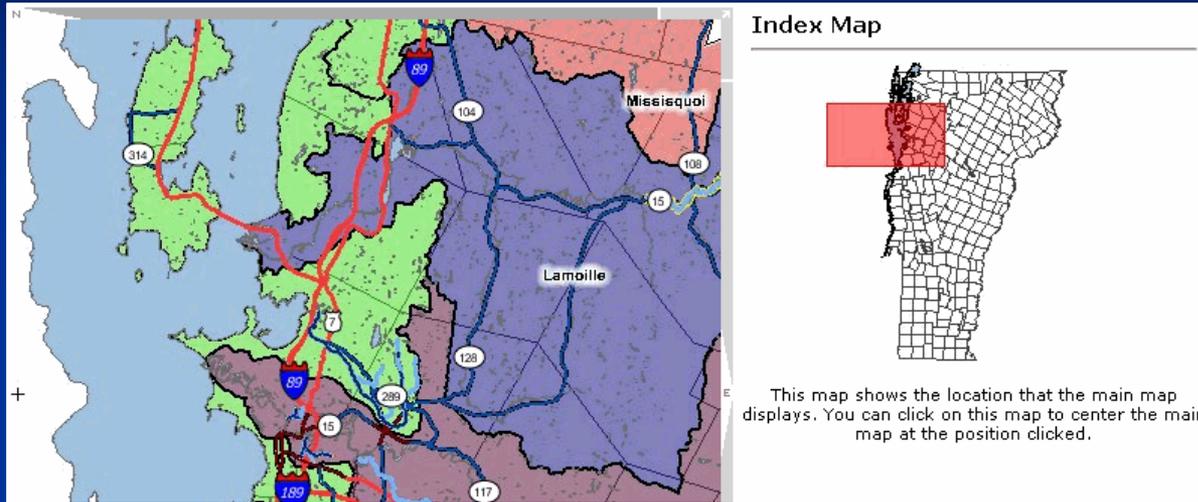
Menu Bar: Layers

- Turning on and off
- Setting an *Active Layer*
- Scale
- Symbols
- Labels

Locate

- Navigate to a location based upon the following criteria:
 - Latitude/Longitude Coordinate
 - Map Coordinate
 - Feature by Attribute
 - Find Address
 - River Management Features

Key Map



- Displays full extent of state in right window
- Red box is current extent of map in left window
- Helps orient user to location and extent of current map view

Bookmarks

- Name & Save a map
 - Location
 - Scale
- Saved in temporary internet folder
- Available to return to at a later date

Create PDF

- Save a map as a PDF file
 - Open in a different program or print

Create a PDF Map

Template:
8.5x11 Landscape

Scale:
1:10,000

Map Title
River management

Map Notes
type anything you want here, maybe your name and the date?? anything

OK

Stream Geomorphic Assessment Viewer
Vermont Agency of Natural Resources (ANR)

Legend

Key Map

Legend

- s06rpts
- s0601sagptsproj
- sag01sawag
- s05sawfinaldiv
- s06corridor

Roads

- US Highway
- Vermont State Highway
- Class One
- Class Two
- Legal Trail
- Emergency U-Turn Area
- Proposed Class Two
- Proposed Class Three
- Proposed Vermont State Highway
- Proposed US Highway
- Proposed Interstates
- Discontinued
- Class Three
- Class Four
- State/National Forest Highway
- Military Road (No Public Access)
- Private Road

Hydrography Lakes and Ponds (VHD 5k)

Hydrography (VHD 5k)

Planning Basin

- Batten Kill-Walloomsac-Hoosic
- Deerfield
- Lake Memphremagog
- Lamoille
- Lower Saranac/Winooski (VAD03)

Map center: 43° 52' 28" N, 72° 27' 43" W

Scale: 1:10,000

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. The State of Vermont make no representations of any kind, including but not limited to the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

Notes: type anything you want here maybe your name or the data ?? anything

URL: http://www.mass.vermont.gov/info/files/ANR_SSAT_RiversDMS/js/launch.jsp

5/2/07

Latitude & Longitude of Map Center

North Arrow

Tool Bar



■ Zooming

■ In 

■ Out 

■ Full extent 

■ To a selected layer 

■ Previous 

■ Pan

■ Identify

■ Identify Visible

■ Clear Selection

Advanced Toolbox



- Measure a:
 - Distance 
 - User defined area 
- Save  and open  a project
- Email 
- Extract 
 - Shapefile
 - GML
 - KML
 - XLS
 - Map Image
 - Markup Shapefile

Markup Toolbox

- Add a mark to the map
 - Point 
 - Line 
 - Rectangle 
 - Polygon 
 - Text 
 - Label 
 - XY Coordinate 
- Erase one  or all  markups

Selection Toolbox



Generate Query



- Define query statements & string them together using logical operators
- Searches all of database & returns data that fulfills query parameters

The screenshot shows a web-based Query Builder interface. The main window is titled "Query Builder" and contains the following elements:

- Find features from layer:** A dropdown menu showing "Phase 1 Assessed Reaches".
- Within visible extent:** An unchecked checkbox.
- Having:** A dropdown menu showing "Project Name" and a comparison operator dropdown showing "=".
- Value:** A text input field containing "CASTLETON RIVER".
- Buttons:** "Add To Query", "Get Samples", "Case sensitive" (unchecked), "Execute", "Undo", "Clear", and "Close Window".
- Query:** A text area containing the SQL query: `upper(GDB_ANR_WEB_ANR_ADMIN_WATERHYDRO_SGAT = 'CASTLETON RIVER')`. To the right of the text area are logical operator buttons: "And", "Or", "Not", "(", and ")", along with a scroll bar.

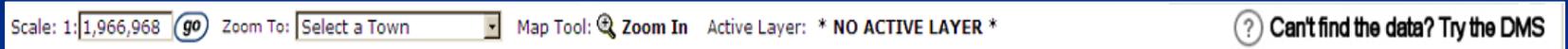
On the right side, the "Query Results" panel displays two rows of data for "Phase 1 Assessed Reaches":

Phase 1 Assessed Reaches	
Tributary ID:	T02
Reach ID:	T02.10
Project ID:	20
SGAT ID:	20_T02.10
Link to Phase 1 Report:	More data
Project Name:	Castleton River
miles:	0
NEWFIELD1:	0
LENGTH:	0.497
	Zoom to this feature
Tributary ID:	T02
Reach ID:	T02.11
Project ID:	20
SGAT ID:	20_T02.11
Link to Phase 1 Report:	More data
Project Name:	Castleton River
miles:	0
NEWFIELD1:	0
LENGTH:	2.087
	Zoom to this feature
Tributary ID:	T02.11-s1
Reach ID:	T02.11-s1.01
Project ID:	20
SGAT ID:	20_T02.11-s1.01
Link to Phase 1 Report:	More data
Project Name:	Castleton River
miles:	0
NEWFIELD1:	0
LENGTH:	0.255

Selection Toolbox Continued

- Setting an Active Layer  
- Identify by Radius 
- Select by
 - Rectangle 
 - Radius 
 - Buffer 

Active Status Bar



- Scale
- Zoom To
- Map Tool
- Active Layer
- DMS

DMS <https://anrnode.anr.state.vt.us/ssl/sga/security/frmLogin.cfm>

DMS Instructions https://anrnode.anr.state.vt.us/ssl/sga/home_help.cfm

Contacts

For Questions or
Comments Contact:
The river scientist in
your region

