

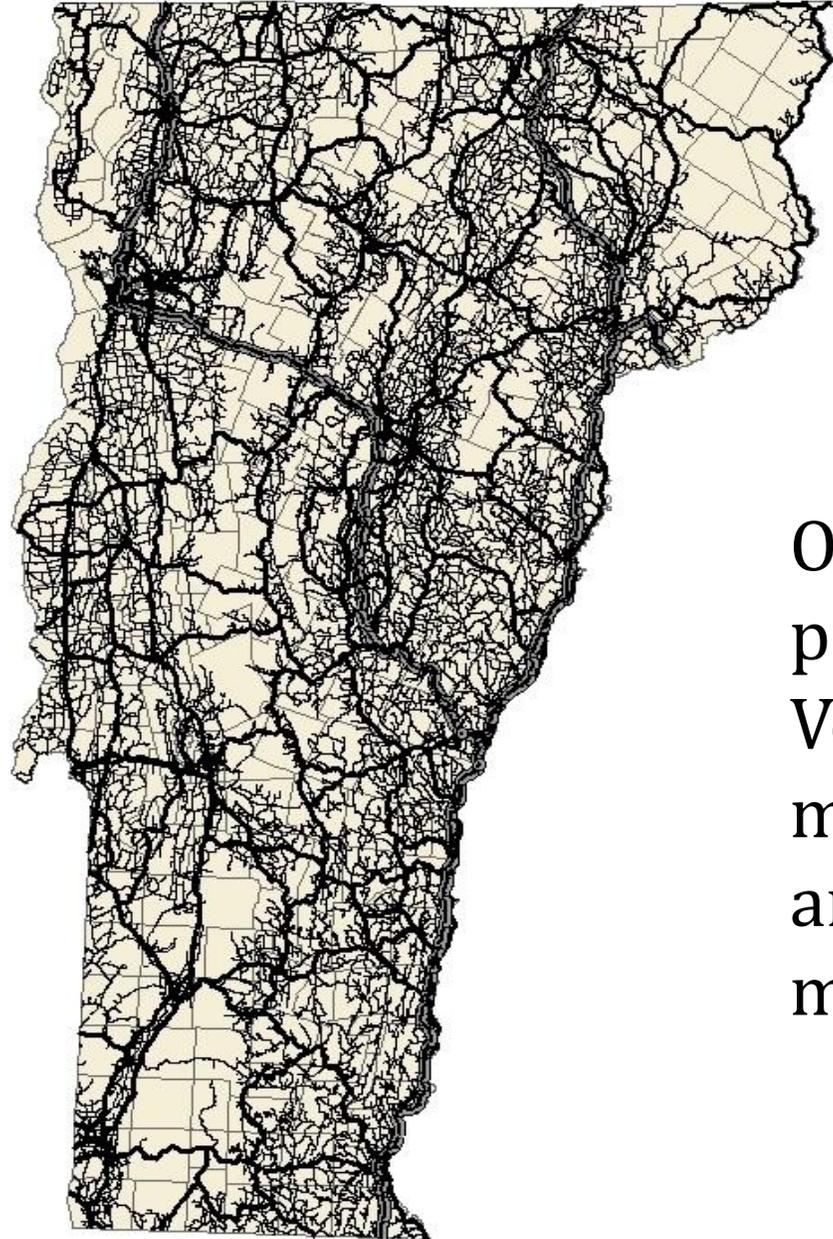
LAKE CHAMPLAIN LEADERSHIP LEARNING SESSION

CONTROLLING POLLUTED RUNOFF FROM ROADS

VT LEGISLATURE, FEBRUARY 2, 2017

Dan Dutcher and Gina Campoli
Vermont Agency of Transportation





Of the 14,158 miles of public roadways in Vermont, 10,705 miles, or over 75%, are managed by municipalities.

Pollutants Associated with Roadways

- Nutrients- Phosphorus
- Sediment
- Trace Heavy Metals
- Hydrocarbons
- Road Salt



The Problem: Storm Drains that Discharge into Waterways



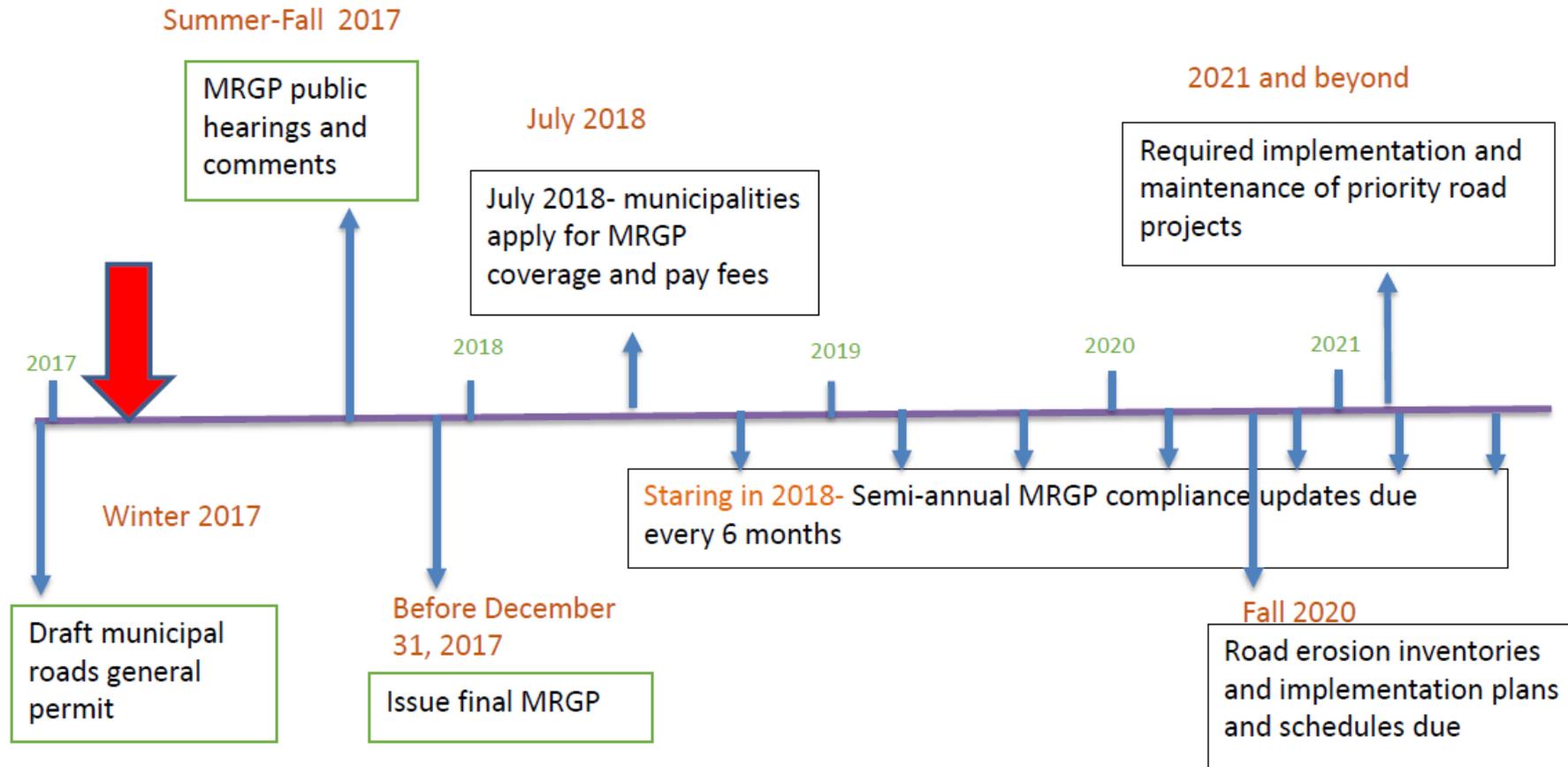
The Problem: Erosion from Roadway Runoff Discharging into Waterways



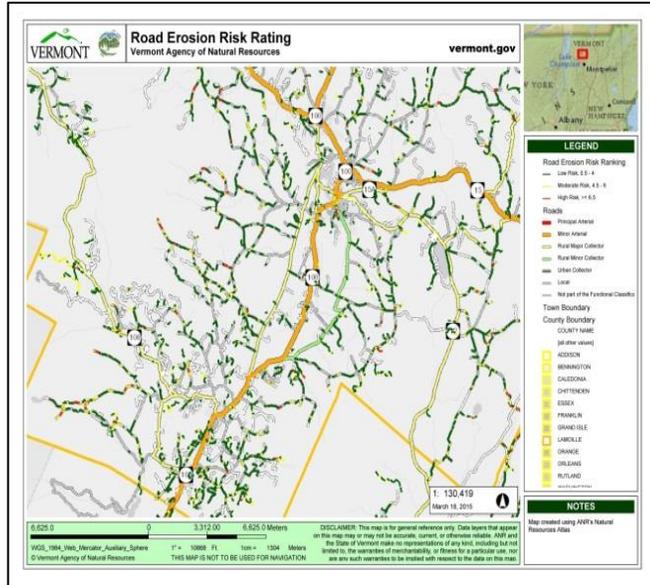




Municipal Roads General Permit Timeline



Proposed Municipal Roads Permit Framework



1. Inventory



2. Prioritize



3. Implement

Examples of Roadway BMPs

- Stone-lined ditches and check dams
- Grass-lined drainage ditches
- Turn outs
- Road crowning
- Properly sized drainage culverts
- Culvert headers
- Culvert outlet stabilization



4/25/2014



9/02/2014

Stone-lined ditch improvements Fairfield VT

VTrans Water Quality Roles & Responsibilities



Funding to Address Run-off from
Municipal Roads



Outreach & Technical Assistance



TS4 State Roads General Permit

VTrans Municipal Water Quality Funding – FY 18 Request

State Transportation Fund: \$1,640,000

Federal Revenue Funds: \$7,242,342

Clean Water Fund: \$1,100,000

FY 18 TOTAL: **\$9,982,342**

Program Priorities Begun Last Year :

- Continue building on popular and successful programs that are easy to implement & make a difference
- Brought paved roads into the Better Back Roads program – *Better Roads*
- Help towns undertake the planning and implementation necessary to comply with the municipal roads permit – for example erosion inventories and prioritization & improvements mandated by the permit
- Include Tactical Basin Plan priorities in grant selection criteria
- Program accountability through performance monitoring

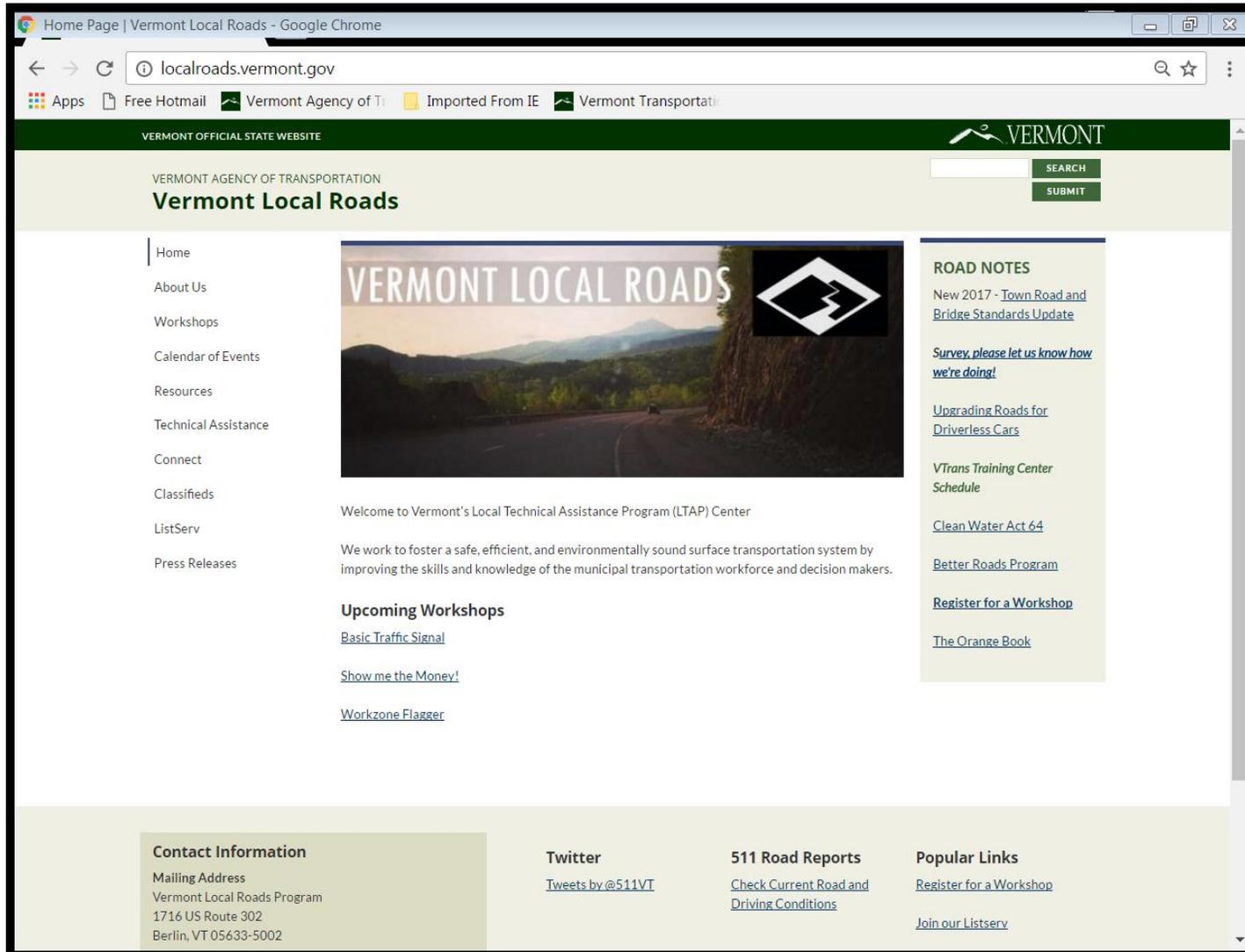
VTrans Water Quality Outreach & Technical Assistance

Focus of work:

- ❑ Availability of grants & how to apply – Better Roads Program
- ❑ Coordination with DEC (Jim Ryan!) in reaching out to municipalities regarding the Municipal Roads Permit - RPCs, Vermont Local Roads program, VLCT
- ❑ Ongoing and continuous dialogue with local officials regarding what works and what doesn't from a practitioner's perspective – VT Local Roads Program



Vermont Local Roads Program – www.localroads.vermont.gov



The screenshot shows the homepage of the Vermont Local Roads Program website. The browser address bar displays "localroads.vermont.gov". The page features a green header with the Vermont state logo and the text "VERMONT OFFICIAL STATE WEBSITE". Below the header, the text "VERMONT AGENCY OF TRANSPORTATION" and "Vermont Local Roads" is visible. A search bar with "SEARCH" and "SUBMIT" buttons is located in the top right. A navigation menu on the left includes links for Home, About Us, Workshops, Calendar of Events, Resources, Technical Assistance, Connect, Classifieds, ListServ, and Press Releases. The main content area features a large banner image of a road winding through a forested landscape with mountains in the background, overlaid with the text "VERMONT LOCAL ROADS" and a diamond-shaped logo. Below the banner, a welcome message reads: "Welcome to Vermont's Local Technical Assistance Program (LTAP) Center. We work to foster a safe, efficient, and environmentally sound surface transportation system by improving the skills and knowledge of the municipal transportation workforce and decision makers." Underneath, there is a section for "Upcoming Workshops" with links for "Basic Traffic Signal", "Show me the Money!", and "Workzone Flagger". To the right, a "ROAD NOTES" section lists several articles: "New 2017 - Town Road and Bridge Standards Update", "Survey, please let us know how we're doing!", "Upgrading Roads for Driverless Cars", "VTrans Training Center Schedule", "Clean Water Act 64", "Better Roads Program", "Register for a Workshop", and "The Orange Book". The footer contains four columns: "Contact Information" (Mailing Address: Vermont Local Roads Program, 1716 US Route 302, Berlin, VT 05633-5002), "Twitter" (Tweets by @S11VT), "511 Road Reports" (Check Current Road and Driving Conditions), and "Popular Links" (Register for a Workshop, Join our Listserv).

Examples of VLRP Training Opportunities

- Grader operations
- Road fundamentals
- Road drainage
- Rivers and Roads (with DEC)
- Roads Roundtables (with DEC)



TS4 State Roads General Permit

- Consolidate and streamline stormwater permit administration for both agencies
- Address stormwater for the transportation network and facilities on a system wide basis
- Prioritize improvements based on water quality benefits
- Grow statewide from MS4 regions
- Coordinate with DEC in understanding the required planning analyses and performance monitoring
- No CWF funds will be used, all state and federal T-Fund dollars for TS4 compliance

Daniel Dutcher, VTrans Senior Environmental Policy Analyst

Daniel.Dutcher@vermont.gov

802-498-4540

