

**Water Quality Division** 241-3777/Fax 241-3287  
103 South Main Street, 10 North, Waterbury VT 05671-0408

The goal of the Water Quality Division is to maintain and enhance the quality and quantity of Vermont's lakes, rivers and wetlands to support healthy ecosystems and appropriate public uses. There are 808 significant lakes and ponds, 7,100 miles of rivers and streams and 300,000 acres of wetlands in Vermont.

The Division conducts chemical, physical and biological environmental monitoring and publishes assessments of streams, rivers, lakes and wetlands; provides guidance to citizen monitoring programs to determine the quality of the State's water resources and the threats to that quality; assures that stream flows below dams, water withdrawals and hydropower reservoirs meet minimum standards; issues grants and provides technical assistance to support local nonpoint source pollution management activities in lake and river watersheds; devises strategies to protect high quality waters and bring impaired waters into compliance with water quality standards; implements regulatory programs relating to wetlands, stormwater, erosion control, and for aquatic nuisance control, lakeshore encroachments, stream alterations, and the Vermont Water Quality Standards; administers an aquatic nuisance management program, a river management and flood hazard mitigation program, and sponsors Water Education for Teachers (Project WET); and prepares watershed plans for 17 major planning basins through a public-private collaboration that identifies water quality problems and develops and implements corrective strategies.

*Division Director, Peter LaFlamme -- 241-3765*

Monitoring, Assessment and Planning Program

*Environmental Program Manager, Neil Kamman-- 241-3795*

**Biomonitoring and Aquatic Studies Section**

The primary function of the Biomonitoring and Aquatic Studies Section (BASS) is to conduct environmental monitoring of aquatic resources, with an emphasis on the assessment of biological integrity. The section's activities include: the collection, processing and analysis of biological samples; the assessment of physical habitat features; the collection of chemical water quality samples; the assessment of monitoring data results to ensure that data are of the highest possible quality and that the assessment results are appropriately integrated into a wide variety of DEC management programs. BASS conducts more than 100 comprehensive biological assessments annually, with emphasis on evaluation of fish and aquatic macroinvertebrate communities in running waters. BASS provides information and technical assistance to many DEC permit, regulatory, and management programs. BASS also conducts special studies in areas of special concern such as: acid rain; rare, threatened, endangered and exotic species distributions; malformed frogs; aquatic nuisance control; and seasonal pools.

*Environmental Scientist, Steven Fiske -- 241-1378*

*Environmental Scientist, James Kellogg -- 241-1366*

*Environmental Scientist, Richard Langdon -- 241-1379*

*Environmental Scientist, Rick Levey -- 241-1368*  
*Environmental Technician, Heather Pembroke -- 241-1369*

### Planning Section

The Planning Section is responsible for river and stream water quality and aquatic habitat assessments, municipal surface water protection assistance, the basin planning process, the Nonpoint Source Management Program, and the TMDL program. The section evaluates river and stream problems and threats; identifies special uses, values, and characteristics; catalyzes and supports watershed organizations and projects; provides funding and technical assistance to nonpoint source planning and implementation projects; provides information and assistance to municipalities and regional planning commissions for local surface water protection; and writes TMDL plans for impaired waters.

*Environmental Analyst, Rick Hopkins -- 241-3769*  
*Environmental Analyst, Cathy Kashanski -- 241-3775*  
*Environmental Analyst, Tim Clear -- 241-3787*  
*Environmental Scientist, Benjamin Copans -- 751-2610*  
*Environmental Scientist, Karen Bates -- 879-2339*  
*Environmental Scientist, Jim Ryan -- 476-0132*  
*Environmental Scientist, Ethan Swift -- 786-2503*  
*Environmental Scientist, Marie Caduto -- 885-8958*  
*Environmental Analyst, Ryan McCall -- 241-3417*

### Lakes and Ponds Management and Protection Section

The Lakes and Ponds Management and Protection Section monitors the water quality of lakes, determines the causes of problems, and develops ways to solve them. Our staff provides assistance regarding lake management and protection to municipalities, lake associations, and individuals. We also administer permits for aquatic nuisance control activities and for encroachments into lakes and we offer grant opportunities in a number of management areas.

*Section Chief- Environmental Analyst, Susan Warren -- 241-3794*  
*Environmental Scientist, Eric Smeltzer -- 241-3792*  
*Environmental Scientist, Ann Bove -- 241-3782*  
*Environmental Scientist, Amy Picotte -- 241-3789*  
*Environmental Scientist, Angela Shambaugh -- 241-3413*  
*Environmental Scientist, Susan Brittin -- 241-3786*  
*Environmental Engineer, Steven Hanna -- 241-3791*  
*Environmental Technician, Tim Hunt -- 241-3756*  
*Environmental Scientist, Kellie Merrell -- 241-4242*  
*Environmental Scientist, Leslie Matthews -- 241-3798*  
*Administrative Assistant, Danielle Dukette -- 241-3790*

## River Corridor Management Section

The River Management Program supports and implements channel assessment and management practices that recognize a stream's natural stable tendencies. The section provides regulatory review and technical assistance for protection, management, and restoration projects that affect streams and rivers. The objective is to guide and encourage projects that provide increased property and infrastructure protection and maintain or restore the ecological functions and economic values of the river system.

*Environmental Program Manager, Michael Kline -- 241-3774*  
*Environmental Scientist, Gretchen Alexander -- 241-3757*  
*Environmental Scientist, Rebecca Pfeiffer -- 241-4597*  
*Environmental Engineer, Barry Cahoon, P.E. -- 751-0129*  
*Environmental Engineer, Christopher Brunelle -- 879-5631*  
*Environmental Engineer, Pat Ross -- 476-2679*  
*Environmental Scientist, Shayne Jaquith -- 241-4456*  
*Environmental Scientist, Staci Pomeroy -- 527-6210*  
*Environmental Scientist, Shannon Pytlik -- 786-2501*  
*Environmental Scientist, Kari Dolan -- 241-1262*  
*Environmental Analyst, Brian Fitzgerald -- 241-3468*

## Wetlands Section

The Vermont Wetlands Section is responsible for identifying and protecting wetlands and the functions and values they provide. Activities to achieve these goals include education, project review and permitting, and enforcement. The Vermont Wetlands Section is responsible for the administration, implementation and informal interpretation of the Vermont Wetland Rules; for providing advisory recommendations on Act 250 projects with potential wetland impacts to the District Environmental Commissions; and for the review of wetland projects which fall under federal jurisdiction (Section 404 of the Clean Water Act) to ensure that State water quality standards are met. Wetland Section staff make site visits on landowner request for wetland determinations, project review and for general technical assistance.

*Section Chief- State Wetlands Coordinator, Alan Quackenbush -- 241-3761*  
*Environmental Scientist, Shannon Morrison -- 241-3762*  
*Environmental Scientist, Julie Foley -- 527-5732*  
*Environmental Scientist, Rebecca Chalmers -- 885-8851*  
*Administrative Services Technician, Ashley Carver -- 241-3770*

## Stormwater Management Section

The management of stormwater runoff is at once a simple concept and a complex problem. Precipitation runs off impervious surfaces rather than infiltrating naturally into the soil. The cumulative impact resulting from the increased frequency, volume, and flow rate of stormwater runoff events can lead to destabilization of downstream channels and can also result in increased wash-off pollutant loading to receiving waters.

The Stormwater Management Section provides both technical assistance and regulatory oversight to ensure proper design and construction of stormwater treatment and control practices; and construction-related erosion prevention and sediment control practices - necessary to minimize the potentially adverse impacts of stormwater runoff to receiving waters throughout Vermont.

*Environmental Program Manager, Padraic Monks -- 241-1453*

*Environmental Analyst, Christina Hutchinson -- 241-1511*

*Environmental Analyst, Matthew Probasco -- 241-4581*

*Environmental Analyst, James Pease -- 241-2683*

*Environmental Analyst, Vacant -- 476-2678*

*Environmental Analyst, Jennifer Callahan -- 241-3780*

*Environmental Analyst, Emily Schelley -- 241-4570*

*Environmental Analyst, Kevin Burke -- 241-1418*

*Environmental Analyst, Christy Witters -- 241-4582*

*Environmental Analyst, Tom Benoit -- 241-3781*

*Administrative Assistant, Michelle Lavigne -- 241-3763*

*Administrative Assistant, Heather Mack -- 241-3770*

*Environmental Technician, Vicki Hill -- 241-1452*