

Vermont Department of Environmental Conservation  
Water Quality Division

Volunteer Water Quality Monitoring  
Analytical Services Partnerships for 2010

Closing date for applications is March 8, 2010

The Vermont Department of Environmental Conservation (VTDEC), through the LaRosa Analytical Laboratory, is pleased to make available to interested lake, river, and watershed associations sample analysis partnerships for the upcoming 2010 field season. The purpose of this program is to help volunteer associations and monitoring groups implement new and/or ongoing surface water monitoring projects for waters in need of water quality assessment.

***What are laboratory services?***

Laboratory analysis is one of the most expensive elements of a monitoring program, and VTDEC recognizes that analytical costs hinder the widespread application of volunteer surface water quality monitoring in Vermont. Analytical services provided under this partnership program are essentially 'slots' for tests to be run at the LaRosa Laboratory, free of charge to participants. The LaRosa Laboratory is a full-service State analytical facility with capabilities for routine water quality monitoring tests. Examples of such tests include phosphorus, nitrogen, chlorophyll-a, total suspended solids, *E. coli*, turbidity, alkalinity, conductivity, pH, priority pollutants and metals, and numerous other compounds. More information about the LaRosa Laboratory's services is available online (internet address below).

***Who is eligible?***

Volunteer associations across Vermont are eligible for analytical partnerships. Such associations include river, lake, and watershed groups, and water quality and conservation committees associated with local municipalities. Post-secondary academic institutions and not for profit non-governmental organizations are eligible provided that one of the following criteria are met: 1) the project is designed jointly with a local association to assess current water quality conditions or diagnose a known water quality problem of interest to the local association; or, 2) the project assesses the extent of, or diagnoses the cause of, a water quality problem of statewide importance. Educators from elementary, middle, or high-schools who are interested in water quality monitoring are encouraged to coordinate with the University of Vermont's Watershed Alliance (<http://www.uvm.edu/~watershd/>), or the EPSCoR Vermont Streams Project (<http://www.uvm.edu/~streams/>).

***What are the eligible project types?***

Many project types are eligible for this program. Waters under evaluation should be of interest to the local association sponsoring the project, and to VTDEC. Waters of interest

to VTDEC include impaired and state priority waters, waters on which minimal or no monitoring has been performed in the past, waters with significant public swimming use, waters where a suspected water quality problem needs to be further documented, and waters where the causes of known problems remain undiagnosed. Proposals for new or existing multi-year projects will be accepted. *Continuation of existing multi-year projects is subject to availability laboratory capacity, continuing need for the data, new modifications to account for prior lessons learned, and project performance and reporting during prior years.* As in prior years, pre-scheduling of sampling events will be necessary in order to optimize capacity at the LaRosa Laboratory. Requests for *E. coli* tests should be made only for waters that are documented to have swimming use.

***Activities that are not eligible under this grant program:***

Applicants should note that no funds are disbursed through this program. Partners will be allocated a specified number of laboratory analyses, to be performed by the LaRosa Laboratory free-of-charge. The program will provide sample bottles and/or preservatives that are required for the intended tests. Transportation of samples to the LaRosa Laboratory in Waterbury, as well as costs associated with sample collection (e.g., field personnel or vehicle/boat costs), equipment (e.g., Kemmerer, VanDorn, or suspended sediment samplers), and other project functions are ***not*** eligible under this program. VTDEC cannot assist in the delivery of samples from the field to the LaRosa Laboratory.

***How to apply:***

This is a competitive partnership program. Proposals will be evaluated based on project need, technical merit, integration with other local or watershed-based efforts, integration with statewide needs, aggregate request, and prior performance. In mid-2005, VTDEC published new guidance to volunteer monitoring groups for project design and implementation. Section one of this document, called the Vermont Volunteer Surface Water Monitoring Guide (internet link below), provides a checklist/form that can guide the development of your program. Applicants should use this form as guidance in preparing their project proposal, and should also confer with the VTDEC Watershed Coordinator working in the Basin of interest. Your regional Watershed Coordinators are your initial contacts. Please send inquiries and proposals to them. A list of the five VTDEC's Watershed Coordinators is provided at <http://www.vtwaterquality.org/contacts.htm#planning>.

Proposals should not exceed four pages in length. Please include the address, telephone number and email address of a project contact, and identify the project coordinator who will interact regularly with VTDEC. Projects selected to participate in the laboratory services partnerships program will need to prepare a USEPA-approvable quality assurance project plan, as described below.

Project proposals must include:

- 1) A description of the project waters;
- 2) Needs for the data and intended data usage;

- 3) Sample collection methods, locations, analytical tests, and numbers and timing of samples. Specificity is necessary here. State how many samples and how many stations are being requested.
- 4) A description of how the resulting data will be summarized and reported;
- 5) Anticipated outcomes and efforts to inform the local public of project results; and,
- 6) Parties involved and project contact(s), including address, telephone, and email.

***Timeline and application deadline:***

Please provide an electronic copy of application materials to your Watershed Coordinators by the close of business Monday, March 8, 2010. The Watershed Coordinators will send these to the WQD by March 15, 2010. Successful applicants should plan on submitting their quality assurance project plan at least two weeks prior to the beginning of field work. New participants in the program must attend a training session at the LaRosa Laboratory in May of 2010, after which time sampling can begin. For existing, re-approved projects, earlier start dates are possible by prior arrangement.

***Information regarding quality assurance project plans:***

USEPA regulations require that environmental monitoring data collected and/or analyzed in part or whole using EPA funds must be collected in accordance with an approved Quality Assurance Project Plan (QAPP). QAPPs are documents that describe in detail how a project is to be carried out, including project design, type and timing of sampling and analytical procedures, and quality assurance procedures. For projects participating in the Laboratory Services Grants Program, a pre-established and pre-approved "generic" QAPP is available that covers the majority of activities likely to be carried out under the program. Successful applicants are provided with copies of this document to fill out and return to VTDEC prior to beginning their field sampling. Additional information regarding the purpose of QAPPs and how to prepare them is provided online (see below).

***Questions:***

Please direct all inquiries and/or proposals to your watershed coordinator (<http://www.vtwaterquality.org/contacts.htm#planning>). The Hudson River Drainage Area includes the Battenkill, Walloosac and Hoosic sub-basins and does not currently have a Watershed Coordinator. Please send inquiries and/or proposals from this region to Ethan Swift.

Watershed Coordinators: Please direct all completed proposals to:  
Jim Kellogg -Environmental Scientist  
VT Department of Environmental Conservation - Water Quality Division  
VTDEC LaRosa Laboratory  
103 S. Main  
Waterbury, VT 05671-0409

802 241-1366  
802 241-3008 (fax)

[Jim.Kellogg@state.vt.us](mailto:Jim.Kellogg@state.vt.us)

***Additional proposal and QAPP preparation resources:***

Vermont Volunteer Surface Water Monitoring Guide

[http://www.vtwaterquality.org/lakes/htm/lp\\_monitoringguide.htm](http://www.vtwaterquality.org/lakes/htm/lp_monitoringguide.htm)

List of VTDEC Watershed Coordinators

<http://www.vtwaterquality.org/contacts.htm#planning>

“The Volunteer Monitor's Guide to Quality Assurance Project Plans”:

<http://www.epa.gov/owow/monitoring/volunteer/qappcovr.htm>

The LaRosa Laboratory website:

<http://www.anr.state.vt.us/dec/lab/index.htm>

Vermont List of Impaired Waters:

[http://www.anr.state.vt.us/dec/waterq/planning/docs/pl\\_2008.303d\\_Final.pdf](http://www.anr.state.vt.us/dec/waterq/planning/docs/pl_2008.303d_Final.pdf)

Vermont List of Priority Surface Waters:

[http://www.anr.state.vt.us/dec/waterq/planning/docs/pl\\_2008.State\\_Lists\\_Final.pdf](http://www.anr.state.vt.us/dec/waterq/planning/docs/pl_2008.State_Lists_Final.pdf)