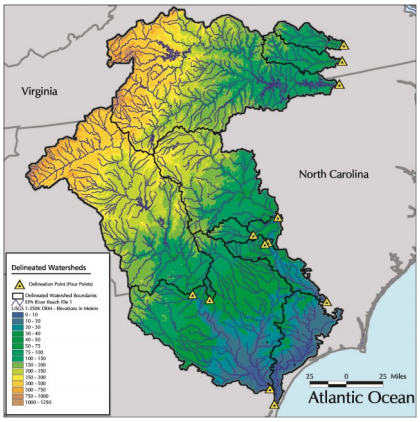
Stone Environmental Inc

Driven by Science and Innovation... Trusted by Clients in New England and Beyond

Stone Environmental provides scientific tools, information, and analyses to help clients solve complex environmental challenges. Our team of scientists and engineers works in Vermont, New Hampshire, and around the globe, and our clients rely on us because of our integrity and expertise.

Stone was founded and incorporated in Montpelier, Vermont in 1992 by Christopher Stone. Chris began his career as a hydrogeologist for the State of Vermont, and then went on to work for The Johnson Company and ultimately led their Hydrological and Earth Sciences services. In founding Stone, his goal was to develop a team of highly-qualified professionals, focused on serving customers with complex environmental challenges. The company has since grown to an interdisciplinary team of over 40 scientists, engineers, modelers, and programmers. In 2014, Stone opened its first branch office in Concord, New Hampshire.



Our People

Northern New England is admired for its quality of life and strong environmental values. Because we are in such a desirable location, we have been able to recruit and retain some of the country's best scientists and professionals.

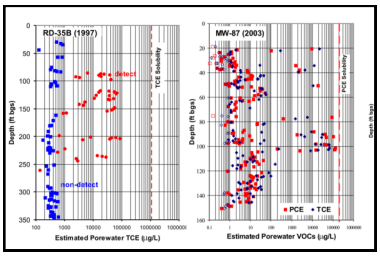
> "We selected Stone for this project because we didn't want to get just a list of different engineering options, and were not disappointed. We are really pleased that we have a study which will enhance our ability to plan for the future development of the Town."
>
> *Barbara Felitti*
> *Town of Huntington Water*

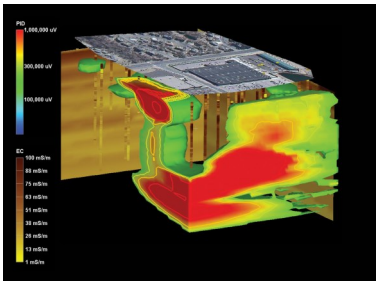
Our principals - Christopher Stone and David Healy - bring over 80 years of combined experience and leadership to the company, as well as a strong commitment to customer satisfaction. They understand that the heart of Stone is in its people. Every employee brings initiative and curiosity, which drives them to provide the sound science our clients need to make informed decisions. Often, Stone field staff are among the best qualified on a project site, and this translates to quality output for our clients.

Our Capabilities

Our capabilities include:

- Water Resources Management and Modeling;
- Environmental Assessment and Remediation;
- Data Quality Assessments;
- Support for Agrochemical Product Stewardship and Registration; and
- Geospatial Analysis, Visualization, and Application Development.





Water Resources Management

Stone works with municipalities, regulators, individual landowners, and not-for-profit organizations to find cost-effective and manageable ways to protect and restore water resources and environmentally sensitive areas. Much of this work is in response to and in support of the efforts of Vermont communities, watershed groups, and state agencies to improve water quality in Lake Champlain by improving land management in its tributary watersheds. In this capacity, we successfully implement a variety of projects related to wastewater and stormwater management, wetland restoration, riparian corridor protection, and agricultural stewardship.

Whether performing long-term monitoring and field studies to evaluate the impacts of agricultural practices on water resources, designing stormwater practices that soak away rain and stop erosion, or planning with communities for sustainable wastewater management, our professional staff combine rich scientific experience with practical application of best practices. With this unique expertise, Stone can seamlessly integrate the web of various interest groups and communication channels that are involved in every project.

Our key areas of expertise include:

- **Stormwater management.** We support the development of local planning and zoning frameworks that encourage the use of Low-Impact Development and green infrastructure for development and redevelopment. Our experience as leaders in stormwater policy issues, including the ongoing update of the Vermont Stormwater Management Manual, informs this work. Stone's professional staff work with Town planners, Public Works staff, and highway foremen to broadly assess stormwater-related problems, prepare municipal stormwater master plans, and prioritize and to fix the most significant issues first. We also specialize in preparing stormwater infrastructure maps and performing Illicit Discharge Detection and Elimination (IDDE) surveys, having assessed approximately 3,000 drainage systems to date.
- **Agricultural stewardship.** We support federal, state, and regional agency partners in evaluating the effects of agricultural management practices on nutrient and microbe transport from fields to rivers and lakes through field study and computer modeling. Our modeling expertise includes all relevant spatial scales, from the design and application of field-scale process models through large river basin simulations.
- **Wastewater management.** We work with towns to plan for and overcome the unique challenges facing un-sewered villages and growth areas.
- **Water monitoring.** We develop and execute water monitoring programs in agricultural and urban settings to provide empirical data on water flow and quality. We specialize in designing automated monitoring systems capable of collecting representative data and samples, and we summarize and interpret these data to meet each study's unique objectives.

OUR CORE VALUES

We bring:

- Scientific integrity and innovation
- Respect and professionalism
- A focus on client needs

We are:

- People focused
- Process driven
- Results oriented
- Business minded
- Passionate about our work

Environmental Assessment and Remediation

Our Contaminated Site Investigation and Remediation Consulting staff provide solutions to clients that manage or own properties contaminated with hazardous wastes. Stone has over 20 years of experience performing environmental site investigations and corrective actions in accordance with Federal and State requirements, often exceeding standard industry practices. Stone routinely performs work within the federal regulatory frameworks of CERCLA, TSCA, and RCRA, as well as state regulations.

Our professional team has extensive experience in developing, managing, performing, and reporting on Phase I and Phase II ESAs, developing remedial planning documents, and implementing remedies for complex problems. Some of our most challenging and rewarding projects have focused on helping to revitalize brownfields in Vermont's downtowns. We are experts in Triad Approach Site Investigations, including facilitating systematic planning, developing conceptual site models, and implementing dynamic work strategies using real-time measurement technologies.

We have extensive experience with a variety of state-of-the-art investigation tools and techniques, including:

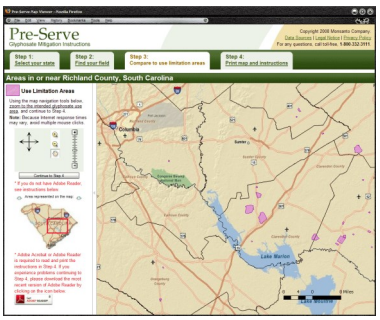
- Use of High Resolution Site Characterization (HRSC) techniques for precise delineation of plumes or source areas.
- Cost-effective use of onsite mobile laboratories to obtain real-time data and expedite project schedules.
- Contaminant distribution screening with Membrane Interface Probes (MIPs).
- Optimization of various environmental drilling methodologies, including direct push, dual rotary, air rotary, and sonic
- Use of Waterloo Advanced Profiling System™ to identify stratigraphic and hydrologic changes in the subsurface.
- Use of CORE Discrete Fracture Network Approach™ for evaluating contaminant mass present in bedrock.

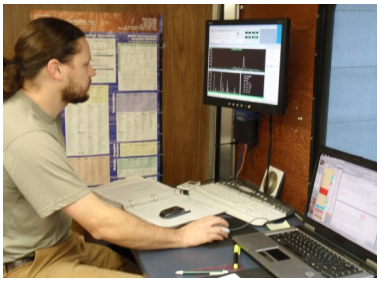
Our staff present regularly at conferences and have performed hundreds of complex site investigations around the world.

A FOCUS ON QUALITY

Data integrity, quality assurance and quality control systems are a critical internal capability and are part of every project at Stone. All staff are trained and refreshed annually to GLP, NELAP, NEFAP and ISO 17025 Quality Standards. Our Quality Assurance Unit ensures that our scientific best practices—whether in performing field studies or analyzing chemical samples—translate to data that are defensible and of known quality.

Quality is not only an internal commitment at Stone—it is a key service we provide to our clients. Our QA services include laboratory, field and facilities audits; data validation in accordance with National and Regional Standards; electronic data validation in accordance with eQAPP specifications; quality assurance project plans; third party data assessments; double-blind PT programs; and quality systems training.





"Stone has been a pleasure to work with. They are consistently 'customer centered' and do high quality work."

Tyler Studds, Massachusetts Clean Energy Center

Agrochemical Environmental Fate and Exposure Research

Stone works closely with crop protection companies and the EPA to assess the vulnerability of water resources and predict chemical concentrations in the environment. Whether using spatial analysis and modeling to understand environmental conditions or conducting field studies, Stone is trusted to provide comprehensive, accurate, and defensible data.

Stone provides expertise in four key areas:

- Watershed and field scale modeling
- Groundwater and surface water modeling studies
- GIS spatial analysis related to the agricultural landscape
- Quality Assurance under Good Laboratory Practices (GLP)

Geospatial & Data Solutions

Stone supports all of our staff and clients with a broad array of Geographic Information Systems (GIS) and database services – bringing advanced tools to the unique needs of our clients and providing robust and timely solutions. Our service offerings include spatial analysis; data discovery, development, documentation, and access; GIS application and tool development; and GIS webhosting.

Stone applies this expertise to help New England communities better understand their data. For example, our use of GIS to compile and display historical land uses and potential

STONE ENVIRONMENTAL INC

535 Stone Cutters Way
Montpelier, Vermont
05602 USA

Phone / 802.229.4541
Fax / 802.229.5417
Web Site / www.stone-env.com

18 North Main Street
Suite 206
Concord, NH 03301 USA

Phone / 603.273.9250
Fax / 802.229.5417
Web Site / www.stone-env.com