

## **Shale Gas Monitoring**

Organization: Alliance for Aquatic Resource Monitoring

Contact Name(s): Jinnie Monismith, Katie Tomsho, and Kelly McIntyre

Address: Dickinson College/ALLARM: P.O. Box 1773

**City:** Carlisle                      **State:** PA                      **Zip:** 17013

E-mail: [allarm@dickinson.edu](mailto:allarm@dickinson.edu)

Phone Number: 717.245.1565

### **Abstract Title:** Shale Gas Monitoring

In 2010, the Alliance for Aquatic Resource Monitoring (ALLARM) developed a volunteer based protocol with the goal of monitoring streams and their watersheds for early detection of the impacts from Marcellus and Utica Shale gas extraction in Pennsylvania. To date, ALLARM has conducted 50 shale gas monitoring workshops in Pennsylvania, New York, and West Virginia, with over 1,000 volunteers in attendance. Many lessons have been learned over the course of the past three years, particularly concerning the importance of Quality Assurance/Quality Control (QA/QC) and strategies for data management. Learn about the ways in which different states can tailor this protocol to their needs for shale gas monitoring. Also hear about various obstacles ALLARM encountered, and the ways in which they were overcome with case studies from Pennsylvania communities.