



Susquehanna Stream Team



allarm@dickinson.edu | dickinson.edu/allarm | 717-245-1565

Who is the Alliance for Aquatic Resource Monitoring (ALLARM)?

ALLARM is a community science organization based at Dickinson College in Carlisle, PA. Since 1986, ALLARM has engaged communities to use science as a tool to investigate the health of their streams and to use the data they generate for aquatic protection and restoration efforts.

What is Stream Team?

ALLARM's Stream Team initiative is a new monitoring program created in collaboration with the Lower and Middle Susquehanna Riverkeepers. Stream Team aims to engage volunteers in Pennsylvania and New York to collect scientific data on Susquehanna tributaries that can inform local approaches for improving watershed health. These data will also contribute to a regional Chesapeake data collection effort. ALLARM is looking for volunteer teams to help collect local water quality data.

What are the goals of Stream Team?



Engage community members in local watershed health



Collect baseline water quality data



Use data to inform protection and restoration



Foster collaboration

What is the Stream Team process?

Get connected with Stream Team

Receive training & go through Quality Control

Collect monthly data

Manage and review results

Reassess after 12 months

Year 1a. Monthly Monitoring

Water temperature | Nitrate-nitrogen | Conductivity | pH | Visual assessment



Year 1b. Annual Macroinvertebrate Monitoring (spring or fall)

Stream Team Monitoring Overview

<p>WHAT</p>	<p>What does it mean to be a Stream Team volunteer?</p> <ul style="list-style-type: none"> • Part of a small group of people interested in monitoring the health of local streams • Conducts monthly data collection (2-4 hours per month for one year) • Participates in a macroinvertebrate workshop (once a year) • Maintains equipment and follows protocols as outlined in the monitoring manual • Completes the data sheets and submits to ALLARM and Chesapeake Data Explorer • Participates in quality control checks and follow-up meetings • Stays in communication with ALLARM and other team members • Has fun!
<p>WHY</p>	<p>Why is the program important?</p> <ul style="list-style-type: none"> • Stream monitoring is a vital tool in assessing the health of the Susquehanna watershed and reviewing the progress of the Chesapeake Bay pollution blueprint • To collect credible scientific data that can be used to make decisions about improving watersheds
<p>HOW</p>	<p>How will the collected data be used?</p> <ul style="list-style-type: none"> • To establish a baseline understanding of local stream health • To help inform potential follow-up decisions on a local and regional level • Data will be uploaded to the Chesapeake Data Explorer database
<p>WHO</p>	<p>Who will support the program and provide assistance?</p> <ul style="list-style-type: none"> • ALLARM provides monitoring support in multiple ways: <ul style="list-style-type: none"> • Provides monitoring workshops and equipment training • Assists in the process of site location for monitoring • Coordinates follow-up meetings • Manages and shares data • Stream Team partners include: <ul style="list-style-type: none"> • Lower Susquehanna Riverkeeper Association • Middle Susquehanna Riverkeeper Association • County Conservation Districts • Watershed Associations • Master Watershed Stewards
<p>WHEN</p>	<p>When does it start and how long does it last?</p> <ul style="list-style-type: none"> • Monitoring starts after the training workshop and sites have been selected • 12 months of chemical monitoring and 1 macroinvertebrate collection • Additional monitoring parameters may be added if the baseline data shows a need for further analysis (second year) and monitoring interest is sustained

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