



Michigan Clean Water Corps

PROJECT FACT SHEET

Project Name	* Volunteer Stream Monitoring Program
Project Code	* Project Code #3003-VSM2005-02
Amount of Grant	* \$ 16,554.00
Amount of Matching Funds	* <u>\$ 16,027.08</u>
Amount of Project	* \$ 32,581.08
Project Duration	* June 2005 to June 2007
Applicant	* Tip of the Mitt Watershed Council 426 Bay Street Petoskey, MI 49770 231-347-1181 Contact: Kevin Cronk, ext. 109 kevin@watershedcouncil.org
Project location	* Tip of the Mitt Watershed Council's four county service area of Emmet, Cheboygan, Charlevoix & Antrim Counties
Project partners	* Lake Charlevoix Association, Friends of the Boyne River, Friends of the Jordan River Watershed, Mullett Area Preservation Society, Three Lakes Association, and Petoskey High School assisted in finding and providing volunteers. The Petoskey-Harbor Springs Area Community Foundation and Charlevoix County Community Foundation provided matching funds.
Summary of the Project	* The goal of Tip of the Mitt Watershed Council's Volunteer Stream Monitoring Program is to protect and improve the water quality of the streams of the northern Lower Peninsula of Michigan. The specific objectives include: collecting baseline data, characterizing stream ecosystems, identifying specific water quality problems, determining water quality trends, and informing and educating the public regarding water quality issues and aquatic ecology.
Project Accomplishments	* During the grant period, nearly 100 volunteers have sampled sites on 10 streams within four watersheds of the northern Lower Peninsula of Michigan. During the two years of the program the number of volunteers nearly tripled since the first sampling period in fall 2005. We further expanded the program adding the Bear River in 2006 and the Jordan River and Tannery Creek in 2007. The number of sites sampled increased from 15 to 23 sites. The data collected by the volunteers has been invaluable to determining the health of these streams. Tip of the Mitt Watershed Council staff have already put the data to use, informing one community of a sudden drop in diversity that coincided with construction activities on a nearby stream bank.



Monitoring activities & general costs

* Staffing & indirect costs to provide the volunteer training and field work	\$ 26,598.87
Printing, postage, long distance phone	\$ 1,012.74
Field Supplies	\$ 2,983.06
Mileage	\$ 986.41
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	\$ 31,581.08



Volunteer Stream Monitoring field day on the Boyne River, Spring 2006



Volunteers on the Bear River sort through samples brought to them by the collector on Volunteer Stream Monitoring field day, Spring 2006



Identification session with volunteers, Spring 2006

Significant measurable results

* Data collected in the Volunteer Stream Monitoring Program show that the majority of the streams sampled have very diverse macroinvertebrate populations, including a number of sensitive species. To date, an impressive total of 92 different macroinvertebrate families have been found among all sites during the first two years of the program. As many as 31 total taxa and 9 sensitive families have been found at a single site.



Volunteer Stream Monitoring Program identification session with local experts.