

# Improvement Plan

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## Millers Creek Watershed Improvement Plan

### Site Navigation

The Improvement Plan for Millers Creek is available in Adobe Acrobat. Please note that for computers with a video card smaller than 32MB some of the figures may not display correctly on the screen (the figure itself will still be intact). (See the [Glossary](#) for definitions of technical terms)



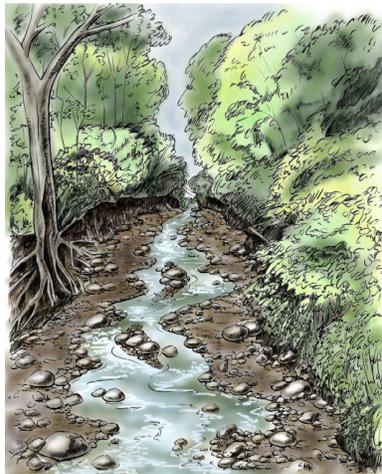
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Please contact Jason Frenzel at [jfrenzel@hrwc.org](mailto:jfrenzel@hrwc.org) if specific appendices are needed.

[Addendum](#) (Posted 3/29/05)



### "Storming Down a Lovely Valley: the Millers Creek Report"

This engaging report is written for the public. Topics include the fascinating history of the watershed, a location of Native American activity, the Underground Railroad and early Ann Arbor enterprise. The creek provides a dramatic example of the effects of uncontrolled stormwater. Sections of the report describe local history and current conditions of the creek specific to the neighborhoods in the watershed as well as pinpointing specific opportunities for improvement. These latter include potential service projects for scouts or school groups. The report is available as a printed version (please see below).

Please [click here](#) to view the report in Adobe Acrobat. It may take a few minutes to load on a slow connection.

### **Hubbard Channel Shape**

In less than a year, the stream channel near Hubbard Road changed noticeably. This is shown in the measurements of channel shape in three locations in Millers Creek at the Hubbard Road study site.

[Hubbard Channel Shape](#)

### **Open House**



The Millers Creek Open House on October 30, 2002 was a rousing success. Over 130 attendees had a chance to hear an overview of the Millers Creek study components and goals and interact with the technical study group. Forty-seven of the attendees also filled out a survey of their concerns and hopes for the creek. Click on the link below to see the summary of survey results.

[Summary of Survey Results](#)

### **Findings and Results**

Data collected by a University of Michigan Chemistry Class show continuous conductivity measurements taken at the site near Huron Parkway and Glazier. (Conductivity measures the amount of dissolved ions, such as those derived from salts and metals.) The graph below (click on 8-19-02 Conductivity") shows the amount of rain overlaid on the conductivity.

You can see in this instance (without road salt for melting ice and snow) that the rain is diluting the conductivity. This indicates that the groundwater feeding Millers Creek has more dissolved solids (from slowly dissolving rocks and soil) than the runoff coming from the watershed during this particular event. Notice that once the rain starts the runoff hits the stream almost immediately.

8-19-02 Conductivity Plot

Huron River Watershed Council's Adopt-A-Stream summary of water quality and macroinvertebrate sampling results for the Glazier Way site on Millers Creek from September 1993 to April 2002.

[View Water Quality Report](#)