

Lancaster County Clean Water Consortium

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WATERSHED DECISIONS - A NEW ROLE PLAYING INQUIRY-BASED ACTIVITY



Penn State Extension

Pre-Evaluation



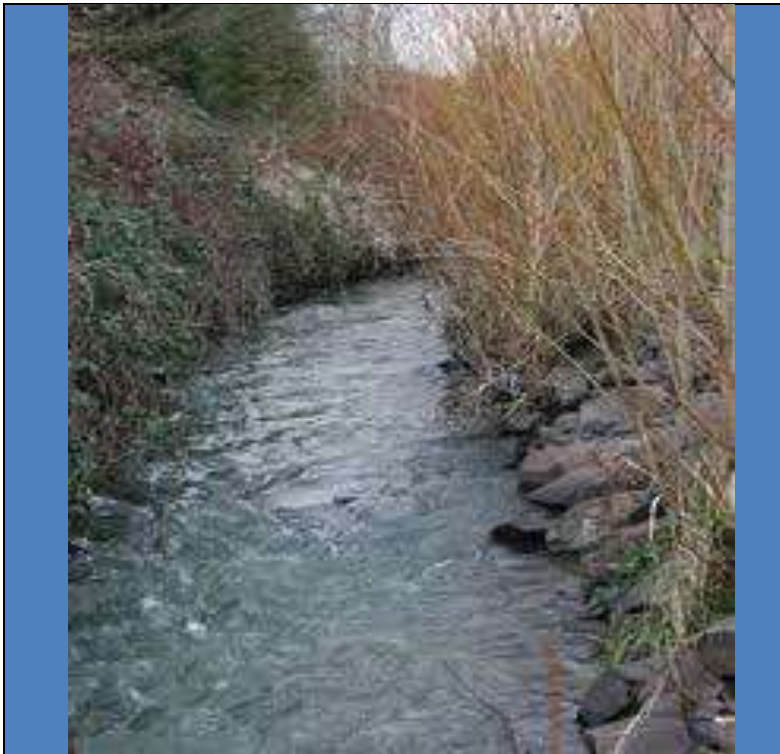
THE DAILY NEWS

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Your Community –

The State Environmental Agency has identified Crooked Creek as too polluted to support life the way it should.

The biggest culprits causing the impairment are nitrogen and sediment pollution coming from sources all over your community.

In an attempt to clean-up Crooked Creek, the state has awarded grant money to the local ***Crooked Creek Watershed Association***.

Crooked Creek Watershed Association will be meeting tonight to make a plan on how to spend that money. New volunteers are welcome to join the association at tonight's meeting.

Crooked Creek Watershed Association Meeting Agenda

- 1.) Test water samples from various points all over the watershed
- 2.) Identify where we should investigate for major sources of pollution
- 3.) Choose 4 improvements or changed practices on which to spend our grant money in the watershed

Water Sample Testing

- 8 Locations were chosen (named A-H) and marked on your map
- Water Samples have been collected in the cups at your table
- The cards in the “Test Results” envelope reveal the results of each site’s water tests and instructions for visually representing those results in the sample cups.

Investigate for Major Sources of Pollution

- Based on the water test results, where is the water quality the worst?
- Where should we focus our investigation for sources of pollution? (There are 10 numbered land users marked on the map, which would you choose first)
- The cards in the “Investigation Results” envelope reveal the amount and type of pollution originating from each land user.

Choose 4 Improvements or Practices

- Local Conservation Agencies have provided you with 13 different conservation practices or improvements that could apply to the land uses in your watershed.
- You have enough grant money to fund 4 of these practices in your watershed.
- Come up with a plan to implement 4 practices and improve your watershed.

Post-Evaluation

