

The Head Waters of the Genesee River

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The origin of three major drainages

- Located within Potter County are the headwaters for three major rivers.
- The Genesee
- The Allegheny
- The Susquehanna

The Genesee River Watershed

- This watershed drains approximately 82 sq miles within Potter County
- Within that watershed, 23 miles of stream have been classified as being affected by NPS pollution
- DEP classifies this watershed as “medium priority”
- The West Branch of the Genesee River is considered a High Quality, Cold Water fishery
- The primary source of NPS pollution impacting the watershed is agriculture

Several Resource Problems are

- Agricultural Pollution from excess nutrients like N P K
- Soil Erosion
- Sedimentation
- Water Quality

Measures that PCCD has undertaken to remedy this

- Established a formal cost share funding program for installation of Ag BMP's
- Selection of priority landowners based on the severity of the NPS pollution
- Continue an active partnership with NRCS and utilize their technical assistance
- Survey, Design, and Installation and Inspection of select BMP's

Best Management Practices include

- Stream crossings for cattle
- Stream bank fencing
- Alternative watering systems
- Silage leachate collection and management
- Heavy use area stabilization
- Milk house waste systems
- Roof run off management

Now a brief overview of projects
that were implemented locally

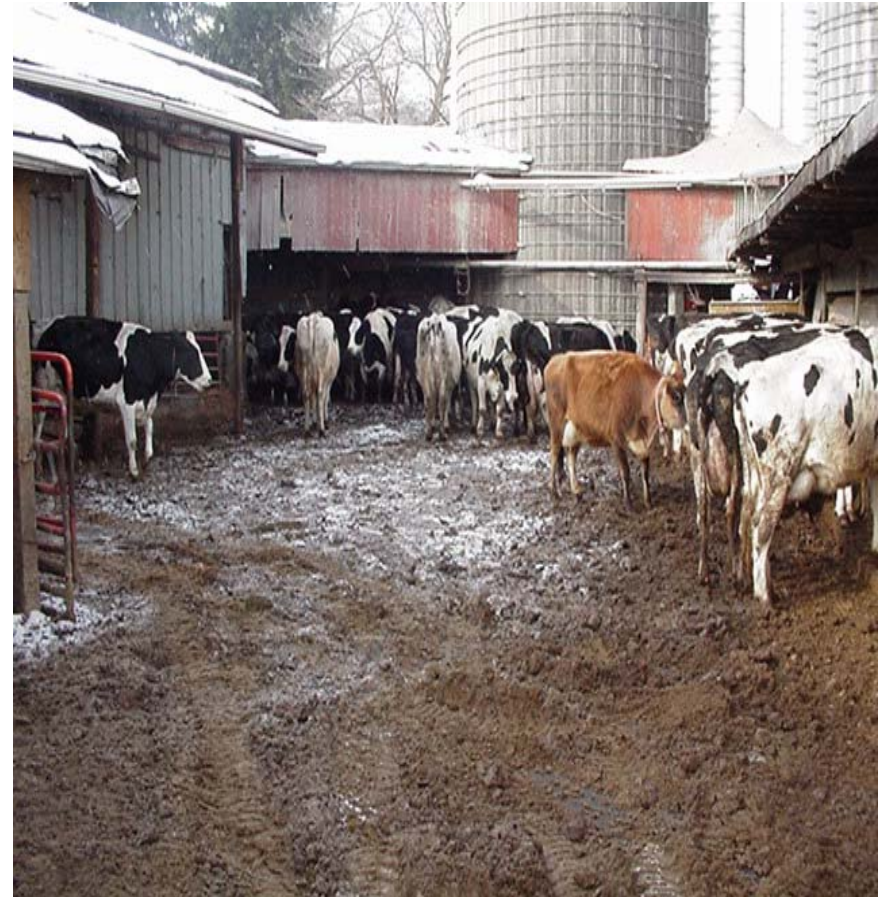
Potential Stream Bank Fencing Project

- Stream banks are mildly eroded
- Cattle have access to entire bank
- Pasture often floods in a heavy storm event



Possible barnyard management project

- Fair animal density
- Earthen barnyard area
- Hillside behind barnyard area allows clean water to wash across contaminated barnyard
- Area drains to roadside ditch and tributary across road



Potential water management project

- Landowner produces goats and dairy cows
- Steep hillside location with constant animal access
- Area drains to nearby tributary and roadside ditch



Potential silage leachate collection project



Heavy use area protection and waste water collection system



Continued form previous slide



Filter area from previous slide



Possible barnyard management project

- Area is mostly wet and located below the roadway elevation
- Road water washes across the barnyard from storm events
- Slopes toward tributary with little buffer



Solution to previous slide



Filter field for milk house waste and stream crossing



Measuring the success of these projects

- Local school children will test streams throughout the watershed and report results via a PCCD web site
- Conduct a guided tour of implemented BMP's and demonstrate their importance to local landowners

Thank you

I will be glad to address any
questions that you may have