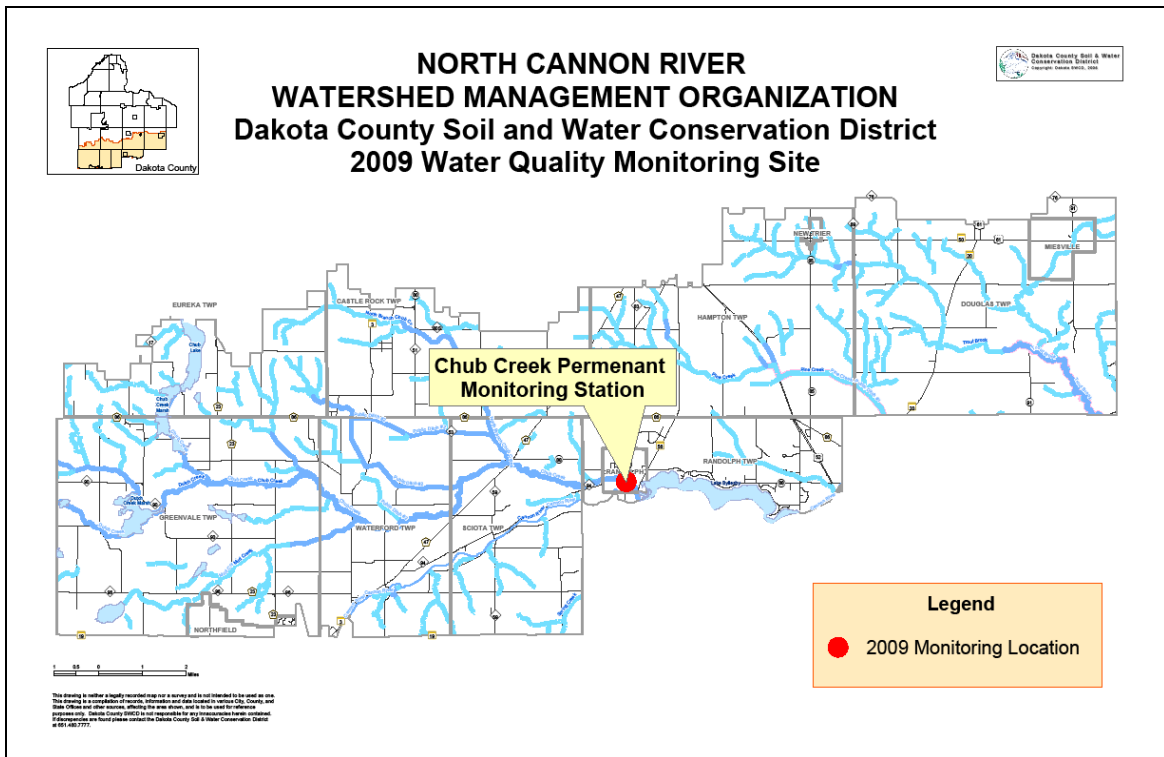


2009 North Cannon River Watershed Management Organization Water Quality Monitoring Update

1. 2009 Water Quality Monitoring Activities:

- SWCD staff installed automated stage (depth) monitoring equipment at the Chub Creek Permanent Monitoring Station
- Staff measured flow twice at the Chub Creek Permanent Monitoring Station. Annual goal is typically four to seven measurements over a wide range of flow conditions.
- Staff continue to recruit citizen volunteers for the Minnesota Pollution Control Agency's Citizen Stream Monitoring Program.
- Staff maintained staff gauges to assist citizen volunteers on Pine Creek and Trout Brook

2. Sample Locations:



3. Monitoring Results:

- Continuous flow data was collected, without interruption, at the Chub Creek Permanent Monitoring station.
- Flow measured on two occasions (4/22/09, 7/6/09).
- Flow monitoring is essential for completing load calculations. Load calculations are sometimes required for grant applications and ALWAYS used in Total Maximum Daily Load (TMDL) studies.

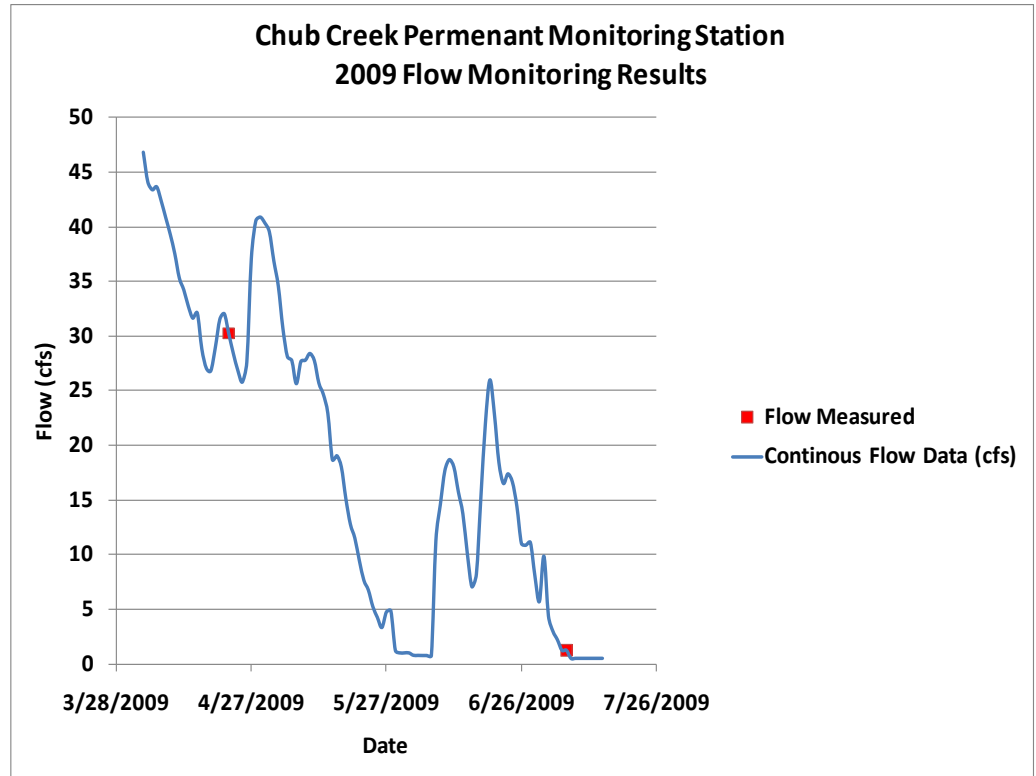


Figure 1. 2009 Flow Monitoring Results

4. Updates:

- Trout Brook Turbidity TMDL study-Due in large part to the water quality/quantity data funded by the North Cannon River Watershed Management Organization, the Minnesota Pollution Control Agency (MPCA) has moved the Trout Brook Turbidity TMDL study up in their funding queue. In 2010, the Dakota County Soil and Water Conservation district will likely contract with the MPCA to implement a more rigorous, annual monitoring program in the Trout Brook sub-watershed. These data will be used to supplement the TMDL study, which is the first step in minimizing turbidity sources in Trout Brook.