

The 2021 Hamlin County Conservation District

Top 5 Resource Concerns

1). Water Quality

Excess Chemicals, Manure, or Bio-Solids in Ground or Surface Water: Pathogens, pharmaceuticals, and other chemicals are transported to receiving waters in quantities that degrade water quality and limit use for intended purposes. This resource concern also includes the offsite transport of leachate and runoff from compost or other organic materials of animal origin.

2). Water Quantity

Runoff, Flooding, or Ponding: Surface water or poor subsurface drainage restricts land use and management goals. Runoff likely leads to soil erosion, while flooding and ponding will lead to loss of crop productivity.

3). Water Quality

Excess Sediment in Surface Water: Offsite transport of sediment from sheet, rill, gully, and wind erosion into surface water that threatens to degrade surface water quality and limit use for intended purposes.

4). Soil Erosion

Streambank or Shoreline Erosion: Sediment from banks or shorelines threatens to degrade water quality and limit use for intended purposes. The erosion can also threaten infrastructure like roads, utilities, along with the loss of land itself.

5). Soil Quality Degradation

Organic Matter Depletion: Soil organic matter is not adequate to provide suitable medium for plant growth, animal habitat, and soil biological activity. Lower organic matter levels impact rainfall infiltration, water holding capacity, and fertility.

**Areas of concern: Big Sioux River
Lake Poinsett**

Set by the Hamlin County Conservation District Board of Supervisors, April 6, 2021.