

## South Dakota FY24 8 Local Priority Resource Concerns by Resource Unit

Coteau
Wind and Water Erosion – Sheet and Rill Erosion
Wind and Water Erosion – Wind Erosion
Soil Quality Degradation - Compaction
Soil Quality Degradation – Organic Matter Depletion
Soil Quality Degradation – Concentration of Salts and Other Chemicals
Field Sedimentation, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water
Degraded Plant Condition – Plant Productivity and Health
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution

Glacial Lakes
Wind and Water Erosion – Sheet and Rill Erosion
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Degraded Plant Condition – Plant Productivity and Health
Soil Quality Degradation – Organic Matter Depletion
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates
Field Sediment, Nutrient and Pathogen Loss – Sediment Transported to Surface Water
Pest Pressure- Plant Pest Pressure
Concentrated Erosion – Ephemeral Gully Erosion

Big Sioux
Wind and Water Erosion – Sheet and Rill Erosion
Concentrated Erosion - Ephemeral Gully Erosion
Field Sediment, Nutrient and Pathogen Loss – Sediment Transported to Surface Water
Soil Quality Degradation – Organic Matter Depletion
Field Sediment, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water
Field Pesticide Loss – Pesticides Transported to Surface Water
Degraded Plant Condition – Plant Productivity and Health
Livestock Production Limitation – Feed and Forage Balance

Vermillion
Pest Pressure – Plant Pest Pressure
Livestock Production Limitation – Feed and Forage Balance
Soil Quality Degradation - Compaction
Degraded Plant Condition – Plant Productivity and Health
Concentrated Erosion - Classic Gully Erosion
Weather Resilience – Drifted Snow
Field Sediment, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water
Field Pesticide Loss – Pesticides Transported to Surface Water

### Upper James

Degraded Plant Condition – Plant Productivity and Health
Degraded Plant Condition – Plant Structure and Composition
Field Sediment, Nutrient and Pathogen Loss – Nutrient Transported to Surface Water
Livestock Production Limitation – Feed and Forage Balance
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Soil Quality Degradation – Concentration of Salts and Other Chemicals
Soil Quality Degradation – Organic Matter Depletion
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates

### North Missouri

Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Soil Quality Degradation – Organic Matter Depletion
Livestock Production Limitation – Inadequate Livestock Shelter
Degraded Plant Condition – Plant Productivity and Health
Degraded Plant Condition – Plant Structure and Composition
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates
Field Pesticide Loss – Pesticides Transported to Surface Water
Field Sediment, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water

### Mid Missouri

Degraded Plant Condition – Plant Productivity and Health
Soil Quality Degradation – Organic Matter Depletion
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates
Field Sediment, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water
Wind and Water Erosion – Sheet and Rill Erosion
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Livestock Production Limitation – Feed and Forage Balance
Concentrated Erosion – Ephemeral Gully Erosion

### Lower Missouri

Degraded Plant Condition – Plant Productivity and Health
Degraded Plant Condition – Plant Structure and Composition
Field Sediment, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water
Concentrated Erosion – Classic Gully Erosion
Wind and Water Erosion – Sheet and Rill Erosion
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates
Soil Quality Degradation – Organic Matter Depletion
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution

### Central Plains

Field Sediment, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water
Pest Pressure – Plant Pest Pressure
Livestock Production Limitation – Inadequate Livestock Shelter
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Soil Quality Degradation – Organic Matter Depletion
Field Pesticide Loss – Pesticides Transported to Surface Water
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates
Degraded Plant Condition – Plant Productivity and Health

### Lower James

Degraded Plant Condition – Plant Productivity and Health
Degraded Plant Condition – Plant Structure and Composition
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Pest Pressure – Plant Pest Pressure
Soil Quality Degradation – Organic Matter Depletion
Field Sediment, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates
Wind and Water Erosion – Sheet and Rill Erosion

### River Hills

Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Livestock Production Limitation – Inadequate Livestock Shelter
Pest Pressure – Plant Pest Pressure
Degraded Plant Condition – Plant Structure and Composition
Wind and Water Erosion – Sheet and Rill Erosion
Soil Quality Degradation – Concentration of Salts and Other Chemicals
Soil Quality Degradation – Organic Matter Depletion
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates

### Northwest

Degraded Plant Condition – Plant Productivity and Health
Livestock Production Limitation – Inadequate Livestock Shelter
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Soil Quality Degradation – Organic Matter Depletion
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates
Wind and Water Erosion – Wind Erosion
Field Sediment, Nutrient and Pathogen Loss – Sediment Transported to Surface Water
Field Sediment, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water

### Three Rivers

Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Livestock Production Limitation – Inadequate Livestock Shelter
Livestock Production Limitation – Feed and Forage Balance
Degraded Plant Condition – Plant Productivity and Health
Degraded Plant Condition – Plant Structure and Composition
Wind and Water Erosion – Wind Erosion
Livestock Production Limitation - Inadequate Livestock Water Quantity, Quality and Distribution
Field Sediment, Nutrient and Pathogen Loss – Nutrients Transported to Surface Water

### Hills

Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Soil Quality Degradation – Organic Matter Depletion
Field Sediment, Nutrient and Pathogen Loss - Pathogens and Chemicals from Manure, Biosolids or Compost Applications Transported to Surface Water
Wind and Water Erosion – Wind Erosion
Livestock Production Limitation - Inadequate Livestock Shelter
Degraded Plant Condition – Plant Productivity and Health
Soil Quality Degradation – Concentration of Salts and Other Chemicals
Degraded Plant Condition – Plant Structure and Composition

### Prairie

Degraded Plant Condition – Plant Productivity and Health
Soil Quality Degradation – Concentration of Salts and Other Chemicals
Livestock Production Limitation – Inadequate Livestock Shelter
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Soil Quality Degradation – Organic Matter Depletion
Wind and Water Erosion – Wind Erosion
Degraded Plant Condition – Plant Structure and Composition
Field Sediment, Nutrient and Pathogen Loss – Sediment Transported to Surface Water

### Southwest

Degraded Plant Condition – Plant Productivity and Health
Degraded Plant Condition – Plant Structure and Composition
Livestock Production Limitation – Feed and Forage Balance
Livestock Production Limitation – Inadequate Livestock Shelter
Livestock Production Limitation – Inadequate Livestock Water Quantity, Quality and Distribution
Wind and Water Erosion – Sheet and Rill Erosion
Wind and Water Erosion – Wind Erosion
Terrestrial Habitat – Terrestrial Habitat for Wildlife and Invertebrates