

**DRAFT**  
**LOWER LOUP NATURAL RESOURCES DISTRICT**  
**RULES AND REGULATIONS FOR IMPLEMENTING**  
**EROSION AND SEDIMENT CONTROL ACT**

**I. AUTHORITY**

These rules and regulations are adopted pursuant to the authority granted in Section 2-4605, R.R.S. 1948, as amended.

**II. PURPOSE**

The purpose of these rules and regulations is to provide an orderly method for implementing the Erosion and Sediment Control Act, sections 2-4601 et. seq. R.R.S. 1943, as amended to provide for the conservation and preservation of the land, water and other resources of the District, and to thereby:

- A. Reduce damages caused from wind erosion;
- B. Reduce storm water runoff and the danger of flooding;
- C. Reduce sediment damage to lands within the District;
- D. Reduce non-point pollution from sedimentation and related pollutants;
- E. Preserve the value of land and its productive capability for present and future generations; and
- F. Safeguard the health, safety and welfare of the District's citizens.

**III. APPLICABILITY**

These rules and regulations apply to all lands within the District except to those lands which lie within the respective jurisdiction of a county or municipality which has adopted and is implementing erosion and sediment control regulations in substantial conformance with the state erosion and sediment control program. Some non-agricultural land-disturbing activities are also excluded and are identified in Rule 4, Section J, sub-sections (2), (3), (4) and (5).

**IV. DEFINITIONS**

- A. **Alleged violator** means the owner of record and the operator, if any, of land which is the subject of a complaint filed in accordance with Rule 8.
- B. **Board** means the Board of Directors of the Lower Loup Natural Resources District.
- C. **Compliance officer** means the General Manager or designee that is a representative of the Lower Loup Natural Resources District to implement the rules of the District.
- D. **Conservation agreement** means an agreement between the owner and operator, if any, of a farm unit and the District in which the owner and operator, if any, agrees to implement all or a portion of a farm unit conservation plan or erosion and sediment control plan. The agreement shall include a schedule for implementation and may be conditioned on the District or other public entity furnishing technical, planning or financial assistance in the establishment of the soil and water conservation or erosion and sediment control practices necessary to implement the plan or portion of the plan.
- E. **District** means the Lower Loup Natural Resources District.

- F. **Excess erosion** means the occurrence of erosion in excess of the applicable soil-loss tolerance level which causes or contributes to an accumulation of sediment upon the lands of any other person to the detriment or damage of such other person.
- G. **Farm unit conservation plan** means a plan jointly developed by the owner and, if appropriate, the operator of a farm unit and the District. Such plan shall be based on the determined conservation needs of the farm unit and identification of practices which may be expected to prevent soil loss by erosion to the applicable soil-loss tolerance level. The plan may also, if practicable, identify alternative practices by which such objective may be attained.
- H. **Erosion and Sediment Control Plan** means a plan, developed for a parcel of land used for non-agricultural purposes, which identifies the permanent or temporary practices which may be expected to either prevent sediment from leaving that parcel or prevent soil loss / erosion from that parcel in excess of the applicable soil-loss tolerance level.
- I. **Inspector** means a representative of the District that conducts inspections and represents the Lower Loup Natural Resources District.
- J. **Non-agricultural land-disturbing activity** means a land change including, but not limited to, tilling, clearing, grading, excavating, transporting, or filling land which may result in soil erosion from wind or water and the movement of sediment and sediment-related pollutants into the waters of the state or onto lands in the state, but shall not include:
1. Activities related directly to the production of agricultural, horticultural or silvicultural crops, including, but not limited to, tilling, planting, or harvesting of such crops;
  2. Installation of aboveground public utility lines and connections, fence posts, sign posts, telephone poles, electric poles, and other kinds of posts or poles;
  3. Emergency work to protect life or property; and
  4. Activities related to the construction of housing, industrial, and commercial developments on sites under two acres in size; and
  5. Activities related to the operation, construction, or maintenance of industrial or commercial public power district or public power and irrigation district facilities or sites when such activity is conducted pursuant to state or federal law or is part of the operational plan for such facility or site.
- K. **Sediment damage** means:
1. The economic or physical damage to the land or other property of one person resulting from the deposition of sediment, by water or wind, or soil eroded from the lands of another person;
  2. The degradation of water quality and/or the reduced beneficial use of the water in the stream or lake involved resulting from soil sedimentation or the deposition of chemical laden sediments. For the purpose of this program, chemicals shall include, but is not limited to, any agricultural, municipal, or industrial chemicals or waste deposited on the soil.

Physical effects to land or property which are relatively short term in nature and

which cause no economic damage and no lasting physical damage shall not constitute sediment damage for the purpose of these rules and regulations.

- L. **Soil-loss tolerance level** means the maximum amount of soil loss due to erosion by wind or water, expressed in terms of tons per acre per year, which is determined to be acceptable in accordance with the Erosion and Sediment Control Act. Soil loss from water erosion may include:
  - 1. Sheet and rill erosion which includes relatively uniform soil loss across the entire field slope which may leave small channels located at regular intervals across the slope; and
  - 2. Ephemeral gully erosion which occurs in well-defined depressions or natural drainage ways where concentrated overland flow results in the convergence of rills forming deeper and wider channels.
- M. **T value** means the average annual tons per acre soil loss that a given soil may experience and still maintain its productivity over an extended period of time.

#### V. SOIL-LOSS TOLERANCE LEVEL

USDA Soil Survey data provides values of soil loss tolerance (T) for various soil series across the District and are described as Soil-Loss Tolerance Levels in the NRCS TECHNICAL GUIDES. These soil-loss tolerance levels for the soils of the District have been adopted by the Board and are attached hereto as Appendix I. Each soil series listed may contain one or more soil mapping units-referred to in Rule 10. The permitted soil-loss tolerance levels for particular lands may not exceed the T value noted in Appendix I.

#### VI. ADMINISTRATION

- A. The Board delegates the responsibility for administering these rules and regulations to the District manager except to the extent Board action is specifically required by these rules and regulations or by law. The following duties shall be performed by or under the direction of the District manager.
  - 1. Keep an accurate record of all complaints received, investigations made, and other official actions.
  - 2. Investigate all complaints made in writing to the District office relating to the application of these rules and regulations.
  - 3. Monitor compliance with all approved farm unit conservation plans, erosion and sediment control plans, and administrative orders issued by the Board.
- B. Except to the extent jurisdiction has been assumed by a municipality or county in accordance with section 2-4606, and after a written and signed complaint has been made, the compliance officer and inspector shall have the following powers and responsibilities:
  - 1. At any reasonable time, after notice to the owner and operator, if any, to enter upon any public or private lands within the area affected by these rules and regulations for the purpose of investigating complaints and to make inspections to determine compliance. The owner, operator, if any, and any other necessary technical personnel and representatives of the District may accompany the inspector.
  - 2. Upon reasonable cause, to report to the Board any violations of any administrative order issued by the Board pursuant to Section 2-4608, R.R.S. 1943, as amended,

- and these rules and regulations,
3. At the direction of the Board, and in accordance with Rule 13 (e) and 18, to commence any legal proceedings necessary to enforce these rules and regulations and any order issued pursuant to them.

## **VII. VIOLATION**

A violation of these rules and regulations exists if:

- A. Sediment damage is occurring;
- B. Average annual soil losses on the land which is the source of that sediment are exceeding the soil-loss tolerance level adopted in Rule 5;
- C. The activity causing the soil loss is not an exempted non-agricultural land-disturbing activity Rule 4, Section J, sub-sections (2) to (5); and
- D. The land which is the source of the damage is not in strict compliance with a conservation agreement approved by the District.

## **VIII. COMPLAINT**

A complaint alleging that soil erosion is occurring in excess of the soil loss tolerance level or that sediment damage is occurring may be filed in the District office by:

- A. Any owner or operator of land damaged by sediment,
  - B. Any authorized representative of a state agency or political subdivision whose roads or other public facilities are being damaged by sediment,
  - C. Any authorized representative of a state agency or political subdivision with responsibility for water quality maintenance if it is alleged that the soil erosion complained of is adversely affecting water quality, or
  - D. Any District staff member, or other person authorized by the Board to file complaints.
- Complaints shall be made in writing and signed on a form provided by the director.

## **IX. INVESTIGATION OF COMPLAINT**

Upon receipt of a properly filed complaint, a representative of the District shall notify the alleged violator within 10 days, excluding holidays and weekends, that a complaint has been filed and that an investigation will be initiated to determine whether a violation of these rules and regulations has occurred. The investigation shall take place as soon as possible after the complaint has been filed and notice given. The alleged violator shall be given an opportunity to accompany the person conducting the investigation.

If a farm unit conservation plan or erosion and sediment control plan previously approved by the District is being implemented and maintained in strict conformance with a conservation agreement including the land subject to the complaint, the complaint shall be dismissed. The alleged violator, complainant, and Board shall be notified.

Upon completion of the investigation, the investigator shall file a report of his or her findings and shall provide copies to the alleged violator and the complainant. The report shall include:

- A. The location and estimated acreage involved in the alleged violation;
- B. The investigator's conclusions concerning the existence of any sediment damage and a description of the location and nature of any sediment damage identified; and

C. The location of land(s) which the investigator concludes are the source of the sediment, the nature of the land use on such lands, and the estimated average annual soil losses from such land(s).

The investigator may utilize the services of professional staff, consultants, or technicians of other state or federal agencies, if necessary.

#### **X. DETERMINATION OF SOIL LOSS**

Soil losses shall be determined by using the applicable portions of the then current version of the United States Department of Agriculture, Natural Resources Conservation Service Field Office Technical Guide to estimate the average annual sheet and rill erosion, ephemeral erosion or wind erosion.

The soil losses normally will be calculated on a soil survey mapping unit basis. If it is determined that soil loss in excess of the applicable soil loss tolerance level is occurring in the portion of one or more mapping units under the ownership and control of the alleged violator, they may not be averaged with other non-violating units for the purpose of determining overall soil loss.

If it is determined that the sediment damage complained of is resulting from erosion from a land parcel smaller than the soil mapping unit, the soil loss equation in the Field Office Tech.

Guide may be applied to such smaller portion only if such portion is two acres or greater.

The cover and crop management factor, "C", used in calculating erosion may incorporate a cropping history of up to five years. Crop rotation patterns longer than five years but not more than ten years may be used for the purpose of planning future compliance with soil loss tolerance levels but exceeding the limits may not be planned for more than two consecutive years. Soil losses from irrigation and gully erosion may also be determined by using acceptable scientific procedures and may, if deemed appropriate by the Board, be added to soil losses for sheet and rill, ephemeral and wind erosion. Soil losses from streambank erosion shall not be calculated and these rules and regulations are not applicable to this type of erosion. Application of the soil loss equation formulas will be made by someone whose qualifications to make such determinations can be supported in court.

#### **XI. BOARD ACTION**

The Compliance Officer shall make determinations as to whether a probable violation of these rules and regulations has or has not occurred. Such determination shall be based upon the inspectors report completed pursuant to Rule 9 and an on-site inspection by the inspector, if warranted. The inspector shall report its findings to the compliance officer, the alleged violator and the complainant with a recommendation of further action as follows:

A. If the compliance officer determines that no violation of these rules and regulations has occurred, the compliance officer may approve dismissal of the complaint. The complainant shall be given the opportunity to appear before the entire Board.

B. If the compliance officer determines that a farm unit conservation plan or erosion and

- sediment control plan previously approved by the District is being implemented and maintained in strict conformance with a conservation agreement including the land subject to the complaint, it may approve dismissal of the complaint.
- C. If the compliance officer determines that a probable violation of these rules and regulations has occurred, it shall proceed in accordance with Rule 12.

## **XII. NOTICE OF VIOLATION**

If the compliance officer determines that a probable violation of these rules and regulations has occurred, the alleged violator shall be informed of its findings by letter delivered in person or sent by certified return receipt mail. The letter shall specify the options available to the alleged violator, including:

- A. The alleged violator shall be given an opportunity to contact the District within 10 days, excluding holidays and weekends, after receipt of notice concerning the development of a plan and schedule for eliminating excess erosion and sedimentation from the land that generated the complaint. If appropriate at this time, alternative practices for inclusion in a plan may be suggested. Information on cost-share programs and an indication of whether cost-share money is available may also be supplied.
- B. The alleged violator shall be given an opportunity to contest the compliance officers findings at a regularly scheduled Board meeting or, if desired, a Board hearing to be held no sooner than 15 days, excluding holidays and weekends, after receipt of notice. Notice of the date shall be given. The alleged violator may request a formal public hearing within 10 days, excluding holidays and weekends, of receipt of notice. The District's rules for formal adjudicatory hearings shall govern the conduct of all such hearings.
- C. The alleged violator shall be further notified that if he or she does not respond to the notice and does not appear at the Board meeting for which notice was given, the Board shall proceed in accordance with Rule 15 in his or her absence to make a final determination on the complaint and issue an administrative order if the Board concludes that a violation has occurred.

## **XIII. DEVELOPMENT AND APPROVAL OF PLAN FOR COMPLIANCE**

- A. If the alleged violator contacts the District pursuant to Rule 12 (a) and indicates a desire to jointly develop either a farm unit conservation plan or an erosion and sediment control plan for eliminating excess erosion on or sedimentation from the land that generated the complaint, compliance officer action on the complaint shall be delayed until further action is taken by the inspector pursuant to (b) or (d) of this Rule. The inspector and the alleged violator shall promptly secure the assistance of the Natural Resources Conservation Service (NRCS) or such other professional resource planners as are deemed necessary to assist in preparation of such a plan and shall attempt to prepare a mutually acceptable plan in accordance with the NRCS Field Office Technical Guide. Any plan developed in accordance with this section shall identify, as applicable, the soil and water conservation practice(s) or erosion and sediment control practice(s) to be applied or utilized and shall be accompanied by a proposed conservation agreement setting forth a schedule for compliance.
- B. Any plan developed by the alleged violator and the inspector shall be presented to the



- compliance officer. If the compliance officer agrees to the proposed plan and to the accompanying conservation agreement, the compliance officer may thereafter approve such plan and agreement. The complainant shall be notified of such action. In considering the schedule for compliance contained within the conservation agreement, the compliance officer may approve a longer time for compliance than would be permissible if an order were issued pursuant to Rule 15, but shall not do so without consideration of the nature and extent of any additional sediment damages the complainant is likely to suffer until the plan has been fully implemented.
- C. Strict conformance with a plan and agreement approved pursuant to this Rule shall be deemed compliance with these rules and regulations for the lands which are subject to the agreement.
  - D. If no mutually acceptable plan and conservation agreement have been prepared by the alleged violator and the inspector within an acceptable time period or if the inspector concludes at any time that progress is not being made and is no longer likely on preparation of such a plan, the complaint shall be again referred to the compliance officer and the alleged violator shall be so notified in person or by certified return receipt mail and shall be given the information and option described in Rule 12(b). For purposes of this rule, acceptable time period shall mean (1) 90 days, excluding holidays and weekends, for alleged violations involving agricultural, horticultural, or silvicultural activities and (2) 15 days, excluding holidays and weekends, for alleged violations involving a non-agricultural land-disturbing activity.
  - E. Following refusal of a landowner to discontinuing an activity causing erosion which constitutes a violation in Rule 7, and to establish a plan and schedule for eliminating excess erosion pursuant to these rules, and if the immediate discontinuance of such activity is necessary to reduce or eliminate damage to neighboring property, the District may petition the District court for an order to the owner and, if appropriate, the operator, to immediately cease and desist such activity until excess erosion can be brought into conformance with the soil-loss tolerance level or sediment resulting from excess erosion is prevented from leaving the property.

#### **XIV. PRACTICES**

Practices designed to reduce or control soil erosion and/or sediment damage may be approved in developing a plan under Rule 13 and may be required by the District in an administrative order pursuant to Rule 15.

- A. Soil and water conservation practices, applicable only to land used for agricultural, horticultural, or silvicultural purposes may include:
  - 1. Permanent practices, such as the planting of perennial grasses, legumes, shrubs, or trees, the establishment of grassed waterways, the construction of terraces, grade control structures, tile outlets, and other practices approved by the District.
  - 2. Temporary soil and water conservation practices, such as the planting of annual or biennial crops, use of strip-cropping, contour planting, conservation tillage or residue management system, and other cultural practices approved by the District.

The District shall maintain a complete list of approved permanent and temporary soil and water conservation practices as part of its local erosion and sediment control program.

- B. Erosion and sediment control practices, which are applicable to activities other than agricultural, horticultural, or silvicultural activities, may include:
1. The construction or installation and maintenance of permanent structures or devices necessary to carry to a suitable outlet away from any building site, any commercial or industrial development or any publicly or privately owned recreational or service facility not served by a central storm sewer system, any water which would otherwise cause erosion in excess of the applicable soil-loss tolerance level and which does not carry or constitute sewage or industrial or other waste to a suitable outlet away from any development or facility not served by a central storm sewer system;
  2. The use of temporary devices or structures, temporary seeding, mulching (including fiber mats, plastic, straw), diversions, silt fences, sediment traps or other measures adequate either to prevent erosion in excess of the applicable soil loss tolerable levels or to prevent excessive downstream sedimentation from land which is the site of or is directly affected by any non-agricultural land-disturbing activity; or
  3. The establishment and maintenance of vegetation upon the right-of-way of any completed portion of any public street, road, highway or the construction or installation thereon of permanent structures or devices or other measures adequate to prevent erosion on the right-of-way in excess of the applicable soil-loss tolerance level.

The District shall maintain a complete list of approved erosion and sediment control practices as part of its local erosion and sediment control program.

## **XV. ORDER**

If, after Board consideration of the complaint at a meeting or hearing for which the alleged violator has been given notice in accordance with Rule 12, the Board finds that sediment damage has occurred, that average annual erosion on the land which is the source of the damage is occurring in excess of the applicable soil-loss tolerance level(s), and that a conservation plan or erosion and sediment control plan has not been developed nor is being implemented according to a conservation agreement, it shall issue an administrative order to the violator stating:

- A. The date of the order.
- B. The identity of the source of the violation and its location.
- C. The authority of the Board to issue such order.
- D. The specific findings, including:
  1. The estimated average annual soil loss and the extent to which erosion exceeds the the applicable soil-loss tolerance level; and
  2. The nature of the sediment damage or water quality impairment resulting from such excessive erosion.
- E. If desired by the Board, the alternative soil and water conservation practices or erosion and sediment control practices required to bring the land into conformance with these rules and regulations. When the erosion is the result of agricultural, horticultural, or silvicultural activities, the soil and water conservation practices required shall be those necessary to bring the land into conformance with the applicable soil-loss



- tolerance level. Where the erosion complained of is the result of a non-agricultural land-disturbing activity, the Board may authorize the violator to either bring the land into conformance with applicable soil loss tolerance level or to prevent sediment resulting from excessive erosion from leaving the land.
- F. Any requirements concerning the operation, utilization, or maintenance of the alternative practices identified.
  - G. The deadlines for commencing and completing work necessary to comply with this order.
    - 1. The time for initiating work needed to establish the necessary soil and water conservation practices or permanent erosion and sediment control practices shall not exceed six months after service or mailing of the order to the violator and shall be completed no later than one year after service or mailing of the order to the violator unless an extension has been granted upon a showing of good cause.
    - 2. A reasonable time for initiating work for establishing necessary erosion and sediment control practices for nonagricultural land-distributing activities and the time within which the work shall be satisfactorily completed which shall be no longer than 45 days, excluding holidays and weekends, after service or mailing unless an extension has been granted upon a showing of good cause. An extension shall only be granted after review and affirmative action of the Board.
  - H. The action to be taken by the Board if the violator does not comply.

A copy of the dismissal or administrative order shall be delivered to the owner and to the operator, if any, of the land in question by personal service or certified or registered mail.

#### **XVI. COST-SHARE ASSISTANCE**

To prevent excess erosion and sediment from leaving the land due to any agricultural or nonagricultural land-disturbing activity, cost-share assistance may be available from the District. Such assistance, if available, may be used for any erosion or sediment control practice. The lack of available cost-sharing assistance does not offset the requirement that the owner and, if appropriate, the operator of such land comply with the terms of an approved plan of compliance or an administrative order.

#### **XVII. SUPPLEMENTAL ORDERS**

The Board may issue supplemental orders, as necessary, to extend the time of compliance with an administrative order if, in its judgment, the failure to commence or complete work as required by the administrative order is due to factors beyond the control of the

person to whom the order is directed and the person can be relied upon to commence and complete the necessary work at the earliest possible time.

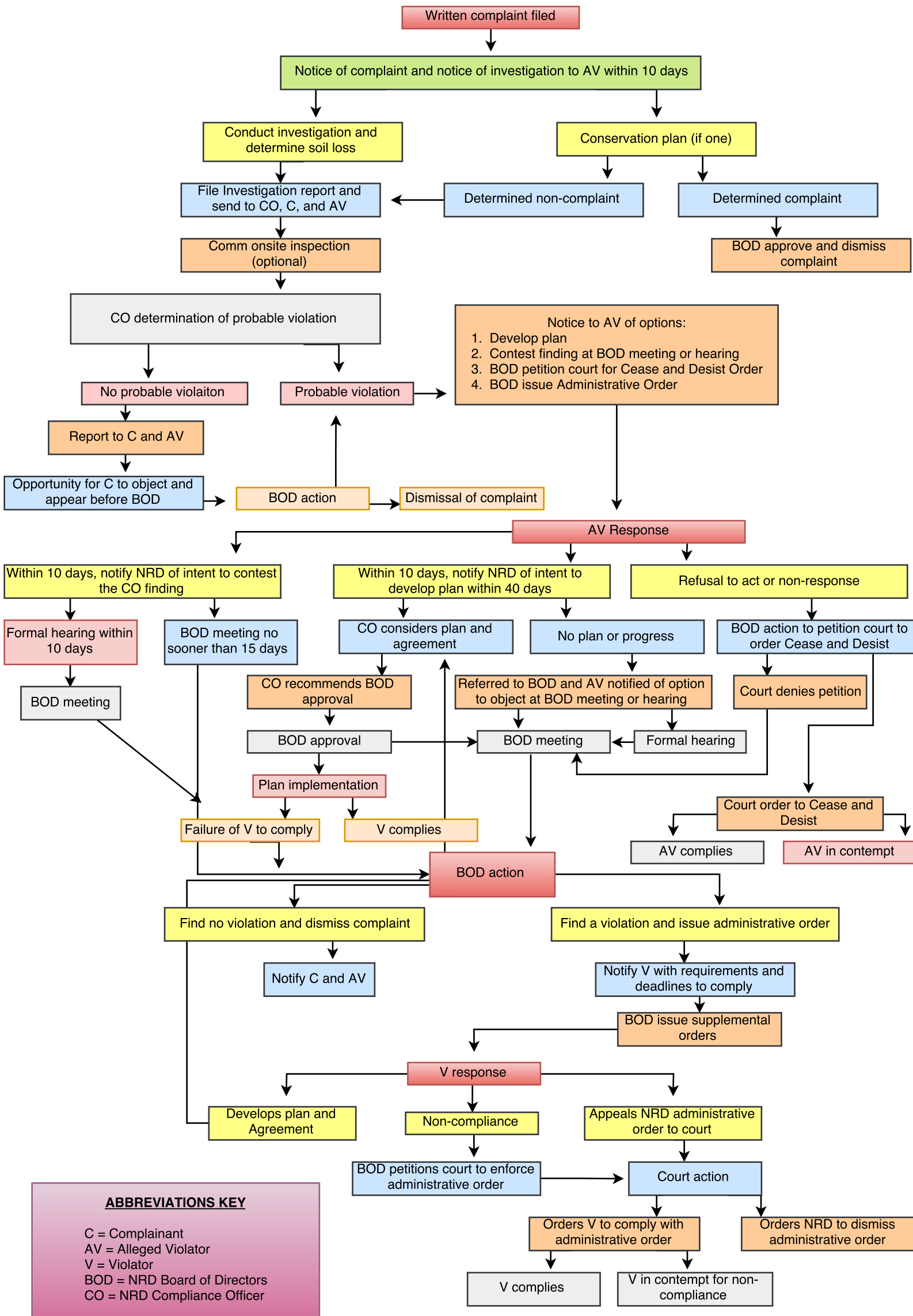
#### **XVIII. NON-COMPLIANCE**

Subject to any limitations imposed by the Board, the District manager may cause the District to commence legal proceedings by filing a petition in the name of the District in the District court in which a majority of the land is located requesting a court order requiring immediate compliance with the administrative order or any supplemental order issued previously, if he or she has reasonable cause to believe after inspection that

an administrative order issued previously by the Board is not being complied with because:

1. The work necessary to comply with the order is not commenced on or before the date specified in the order or in any supplemental orders;
2. The work is not being performed with due diligence, is not satisfactorily completed by the date specified in the order, or is not being operated, utilized, or maintained in accordance with requirements set forth in the order;
3. The work is not of a type or quantity specified by the District, and when completed, it will not or does not reduce soil loss to within the applicable soil-loss tolerance level for the identified land or, in the case of non-agricultural land-disturbing activity, will not or does not prevent sediment resulting from excessive erosion from leaving the land involved; or
4. The person to whom the order is directed informs the District that he or she does not intend to comply.

# EROSION AND SEDIMENT CONTROL COMPLAINT FLOW CHART



**ABBREVIATIONS KEY**

C = Complainant  
 AV = Alleged Violator  
 V = Violator  
 BOD = NRD Board of Directors  
 CO = NRD Compliance Officer

# Appendix 1

## Soil Loss Tolerance Values (T-Factors) For Boone County

Map Unit Symbol	Map Unit Name	Dominant Component	T-Factor
2115	Inavale soils, frequently flooded	Inavale	5
2288	Wann loam, occasionally flooded	Wann	5
2332	Inavale fine sand, occasionally flooded	Inavale	5
2349	Inavale soils, 0 to 3 percent slopes	Inavale	5
2534	Coly silt loam, 17 to 30 percent slopes	Coly	5
2538	Coly silt loam, 6 to 11 percent slopes, eroded	Coly	5
2555	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	Coly	5
2666	Holdrege silt loam, 0 to 1 percent slopes, cool	Holdrege	5
2668	Holdrege silt loam, 1 to 3 percent slopes	Holdrege	5
2672	Holdrege silty clay loam, 3 to 7 percent slopes, eroded	Holdrege	5
2812	Uly-Holdrege silt loams, 7 to 11 percent slopes, eroded	Uly	5
2817	Uly silt loam, 3 to 6 percent slopes	Uly	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2828	Uly, eroded-Hersh complex, 11 to 60 percent slopes	Uly	5
2831	Uly-Coly silt loams, 17 to 30 percent slopes, eroded	Uly	5
2833	Uly-Coly silt loams, 17 to 30 percent slopes, eroded, moist	Uly	5
2844	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	Uly	5
2845	Uly-Coly silt loams, 11 to 17 percent slopes, eroded	Uly	5
3518	Lamo silty clay loam, 0 to 2 percent slopes, occasionally flooded	Lamo	5
3545	Hobbs silt loam, channeled, 0 to 2 percent slopes, frequently flooded	Hobbs	5
3553	Hobbs silt loam, 0 to 2 percent slopes, frequently flooded, cool	Hobbs	5
3561	Hobbs silt loam, 0 to 2 percent slopes, occasionally flooded, cool	Hobbs	5
3775	Muir silt loam, rarely flooded	Muir	5
3912	Scott silty clay loam, frequently ponded	Scott	5
3951	Fillmore silt loam, occasionally ponded	Fillmore	4
4243	Ord loam, rarely flooded	Ord	3
4266	Loup loam, occasionally flooded	Loup	5
4376	Loup fine sandy loam, rarely flooded	Loup	2
4451	Valentine severely eroded-Valentine complex, moist 0 to 60 percent slopes	Valentine	4
4485	Dunday loamy fine sand, 0 to 3 percent slopes	Dunday	5
4488	Dunday loamy fine sand, 3 to 6 percent slopes	Dunday	5
4550	Elsmere fine sand, 0 to 3 percent slopes	Elsmere	5
4553	Elsmere loamy fine sand, 0 to 3 percent slopes	Elsmere	5
4575	Gannett fine sandy loam, 0 to 1 percent slopes	Gannett	3
4786	Valentine fine sand, 0 to 6 percent slopes	Valentine	5
4792	Valentine fine sand, 3 to 9 percent slopes, moist	Valentine	5
4806	Valentine fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4809	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes, moist	Valentine	5
4835	Valentine loamy fine sand, undulating	Valentine	5
4857	Valentine-Dunday loamy fine sands, moist, 3-9 percent slopes	Valentine	5
6314	Barney silt loam, channeled, frequently flooded	Barney	5
6352	Leshara silt loam, occasionally flooded	Leshara	5
6385	Shell silt loam, occasionally flooded	Shell	5
6459	Inglewood-Boel complex, channeled, occasionally flooded	Inglewood	5
6534	Loretto fine sandy loam, 0 to 2 percent slopes, eroded	Loretto	5
6555	Shell silty clay loam, 0 to 1 percent slopes	Shell	5
6556	Shell silt loam, rarely flooded	Shell	5
6570	Thurman loamy fine sand, terrace, 0 to 2 percent slopes	Thurman	5
6603	Alcester silty clay loam, 2 to 6 percent slopes	Alcester	5
6628	Belfore silty clay loam, 0 to 2 percent slopes	Belfore	5
6636	Boelus loamy fine sand, 0 to 2 percent slopes	Boelus	4
6681	Crofton silt loam, 17 to 30 percent slopes, eroded	Crofton	5
6686	Crofton silt loam, 30 to 60 percent slopes	Crofton	5
6694	Crofton-Nora complex, 6 to 11 percent slopes, eroded	Crofton	5
6697	Crofton-Nora complex, 17 to 30 percent slopes	Crofton	5
6700	Thurman loamy fine sand, 0 to 2 percent slopes	Thurman	5
6703	Thurman loamy fine sand, 2 to 6 percent slopes	Thurman	5
6706	Thurman loamy fine sand, 6 to 11 percent slopes	Thurman	5
6714	Thurman-Valentine complex, 0 to 2 percent slopes	Thurman	5
6754	Nora silt loam, 2 to 6 percent slopes, eroded	Nora	5
6756	Nora silt loam, 6 to 11 percent slopes, eroded	Nora variant	5
6767	Nora silty clay loam, 6 to 11 percent slopes	Nora	5
6774	Nora-Crofton complex, 11 to 17 percent slopes, eroded	Nora	5

**Soil Loss Tolerance Values (T-Factors) For Boone County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
6775	Nora-Crofton complex, 2 to 6 percent slopes, eroded	Nora	5
6776	Nora-Crofton complex, 11 to 17 percent slopes	Nora	5
6778	Nora-Crofton complex, 6 to 11 percent slopes, eroded	Nora	5
6780	Nora-Moody complex, 2 to 6 percent slopes, eroded	Nora	5
6789	Crofton-Nora complex, 11 to 17 percent slopes, eroded	Crofton	5
6793	Loretto loam, 3 to 6 percent slopes, eroded	Loretto	5
6796	Loretto fine sandy loam, 3 to 6 percent slopes, eroded	Loretto	5
6799	Loretto sandy loam, 3 to 6 percent slopes	Loretto	5
6800	Loretto-Nora fine sandy loams, 6 to 12 percent slopes, eroded	Loretto	5
6808	Moody silty clay loam, 0 to 2 percent slopes	Moody	5
6811	Moody silty clay loam, 2 to 6 percent slopes	Moody	5
6812	Moody silty clay loam, 2 to 6 percent slopes, eroded	Moody	5
6843	Ortello fine sandy loam, 1 to 3 percent slopes	Ortello	5
6847	Ortello fine sandy loam, 6 to 11 percent slopes	Ortello	5
6860	Crofton silt loam, 8 to 17 percent slopes, eroded	Crofton	5
7230	Alcester silty clay loam, 0 to 2 percent slopes	Alcester	5
8426	Boel fine sandy loam, occasionally flooded	Boel	5
8439	Cass silt loam, occasionally flooded	Cass	2
8440	Cass soils, rarely flooded	Cass	2
8470	Gibbon silt loam, occasionally flooded	Gibbon	5
8493	Gothenburg loamy sand, frequently flooded	Gothenburg	5
8840	Hall silt loam, 0 to 1 percent slopes	Hall	5
8841	Hall silt loam, 1 to 3 percent slopes	Hall	5
8844	Hall silt loam, 3 to 6 percent slopes, eroded	Hall	5
8851	Hall-Gayville complex, 1 to 3 percent slopes	Hall	5
8862	Hord and Ortello fine sandy loams, 1 to 3 percent slopes	Hord	5
8864	Hord-Uly complex, 0 to 6 percent slopes	Hord	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
9038	Gates very fine sandy loam, 6 to 11 percent slopes, eroded	Gates	5
9900	Fluvaquents, frequently flooded	Fluvaquents	5
9903	Fluvaquents, sandy, frequently flooded	Fluvaquents, sandy	5
9966	Blown-out land	Blownout land	5
9970	Aquolls	Aquolls	5
9983	Gravel pit	Pits	
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Buffalo County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
1021	Caruso loam, rarely flooded	Caruso	5
1038	Grigston silt loam	Grigston	4
2100	Boel fine sandy loam, occasionally flooded	Boel	2
2326	Inavale fine sandy loam, 0 to 3 percent slopes	Inavale	5
2338	Inavale loamy fine sand, very rarely flooded	Inavale	5
2344	Inavale loamy sand, 3 to 11 percent slopes, very rarely flooded	Inavale	5
2521	Coly-Hobbs silt loams, 0 to 30 percent slopes	Coly	5
2533	Coly silt loam, 11 to 30 percent slopes	Coly	5
2536	Coly silt loam, 30 to 60 percent slopes	Coly	5
2537	Coly silt loam, 6 to 11 percent slopes	Coly	5
2538	Coly silt loam, 6 to 11 percent slopes, eroded	Coly	5
2539	Coly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2543	Coly silt loam, 11 to 17 percent slopes, eroded, cool	Coly	5
2544	Coly, Uly and Hobbs soils, 3 to 30 percent slopes	Coly	5
2555	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	Coly	5
2558	Coly-Uly silt loams, 6 to 11 percent slopes, eroded	Coly	5
2596	Hersh fine sandy loam, 3 to 6 percent slopes	Hersh	5
2666	Holdrege silt loam, 0 to 1 percent slopes, cool	Holdrege	5
2668	Holdrege silt loam, 1 to 3 percent slopes	Holdrege	5
2670	Holdrege silt loam, 3 to 7 percent slopes	Holdrege	5
2671	Holdrege silt loam, 3 to 7 percent slopes, eroded	Holdrege	5
2672	Holdrege silty clay loam, 3 to 7 percent slopes, eroded	Holdrege	5
2813	Uly and Holdrege silt loams, 6 to 11 percent slopes	Uly	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2823	Uly silt loam, 11 to 17 percent slopes, eroded	Uly	5
2825	Uly, eroded-Coly silt loams, 6 to 11 percent slopes	Uly	5
2826	Uly, eroded-Hobbs silt loams, 2 to 40 percent slopes	Uly	5
2831	Uly-Coly silt loams, 17 to 30 percent slopes, eroded	Uly	5
2837	Uly-Holdrege silt loams, 6 to 11 percent slopes	Uly	5
2838	Uly-Holdrege-Coly silt loams, 6 to 11 percent slopes, eroded	Uly	5
2841	Uly, eroded-Coly silt loams, 11 to 17 percent slopes	Uly	5
2843	Uly, Holdrege and Coly soils, 6 to 11 percent slopes, eroded	Uly	5
3110	O'Neill and Pivot loams, 0 to 2 percent slopes	O'Neill	3
3515	Lamo silt loam, sand substratum, 0 to 1 percent slope	Lamo	4
3545	Hobbs silt loam, channeled, frequently flooded	Hobbs	5
3562	Hobbs silt loam, occasionally flooded, cool	Hobbs	5
3710	Cass fine sandy loam, rarely flooded	Cass	3
3726	Detroit silt loam, 0 to 1 percent slopes	Detroit	5
3755	Hord silt loam, rarely flooded	Hord	5
3910	Scott silt loam, frequently ponded	Scott	5
3917	Scott silt loam, drained, frequently ponded	Scott	5
4131	Holdrege silt loam, 1 to 3 percent slopes, overblown	Holdrege	5
4146	Holdrege silty clay loam, 7 to 11 percent slopes, eroded	Holdrege	5
4153	Holdrege-Hall silt loams, 0 to 1 percent slopes	Holdrege	5
4220	Bolent fine sandy loam, occasionally flooded	Bolent	5
4225	Bolent loamy sand, occasionally flooded	Bolent	5
4232	Calamus loamy fine sand, rarely flooded	Calamus	5
4386	Dunday fine sandy loam, terrace, 0 to 2 percent slopes	Dunday	3
4507	Dunday-Valentine loamy fine sands, loamy substratum, 0 to 2 percent slopes	Dunday	5
4672	Loup loam, 0 to 3 percent slopes	Loup	5
4791	Valentine fine sand, 3 to 9 percent slopes	Valentine	5
4807	Valentine fine sand, rolling	Valentine	5
4810	Valentine fine sand, rolling and hilly	Valentine	5
4818	Valentine loamy fine sand, 3 to 9 percent slopes	Valentine	5
4822	Valentine loamy fine sand, 3 to 17 percent slopes	Valentine	5
4834	Valentine loamy fine sand, rolling	Valentine	5
5632	Platte soils, occasionally flooded	Platte	2
6312	Barney loam, frequently flooded	Barney	5
6350	Leshara and Gibbon silt loams	Leshara	4
6351	Leshara fine sandy loam	Leshara	4
6508	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	5
6513	Blendon loam, 0 to 2 percent slopes	Blendon	5
6527	Janude loam, calcareous, rarely flooded	Janude	5
6572	Thurman-Valentine loamy fine sands, terrace, 0 to 2 percent slopes	Dunday	5
6716	Thurman-Valentine loamy fine sands, 0 to 2 percent slopes	Dunday	5



**Soil Loss Tolerance Values (T-Factors) For Buffalo County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
6717	Thurman-Valentine loamy fine sands, 2 to 6 percent slopes	Dunday	5
8400	Alda fine sandy loam, rarely flooded	Alda	3
8402	Alda loam, rarely flooded	Alda	3
8418	Boel loam, occasionally flooded	Boel	2
8435	Cass loam, rarely flooded	Cass	3
8465	Gibbon loam, rarely flooded	Gibbon	4
8469	Gibbon silt loam, rarely flooded	Gibbon	3
8470	Gibbon silt loam, occasionally flooded	Gibbon	5
8471	Gibbon silt loam, saline, rarely flooded	Gibbon	5
8491	Gothenburg loam, frequently flooded	Gothenburg	5
8493	Gothenburg loamy sand, frequently flooded	Gothenburg	5
8495	Gothenburg soils, frequently flooded	Gothenburg	2
8506	Lex silt loam, rarely flooded	Lex	3
8553	Silver Creek silt loam, rarely flooded	Silver Creek	4
8563	Platte loam, occasionally flooded	Platte	2
8567	Platte-Alda complex, occasionally flooded	Platte	2
8570	Platte-Bolent complex, occasionally flooded	Platte	2
8575	Platte-Wann complex, channeled, occasionally flooded	Platte	2
8581	Wann fine sandy loam, rarely flooded	Wann	5
8585	Wann loam, rarely flooded	Wann	5
8811	Cozad loam, 0 to 1 percent slopes	Cozad	5
8815	Cozad silt loam, 0 to 1 percent slopes	Cozad	5
8816	Cozad silt loam, 1 to 3 percent slopes	Cozad	5
8818	Cozad silt loam, 3 to 6 percent slopes, eroded	Cozad	5
8819	Cozad silt loam, 6 to 11 percent slopes, eroded	Cozad	5
8824	Cozad fine sandy loam, calcareous variant, 0 to 1 percent slopes	Cozad	5
8840	Hall silt loam, 0 to 1 percent slopes	Hall	5
8841	Hall silt loam, 1 to 3 percent slopes	Hall	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8872	Hord silt loam, 3 to 6 percent slopes	Hord	5
8932	Simeon sandy loam, 0 to 3 percent slopes	Simeon	5
8960	Wood River silt loam, 0 to 1 percent slopes	Wood River	2
8961	Wood River silt loam, 1 to 3 percent slopes	Wood River	2
8964	Wood River-Gayville variant complex, 0 to 1 percent slopes	Wood River	2
8965	Wood River-Gayville complex, 0 to 1 percent slopes	Wood River	2
9002	Anselmo fine sandy loam, 1 to 3 percent slopes	Anselmo	5
9006	Anselmo fine sandy loam, 6 to 11 percent slopes	Anselmo	5
9007	Anselmo fine sandy loam, 0 to 3 percent slopes	Anselmo	5
9008	Anselmo fine sandy loam, 3 to 6 percent slopes, eroded	Anselmo	5
9022	Anselmo loam, 1 to 3 percent slopes	Anselmo	5
9027	Gates silt loam, 1 to 3 percent slopes	Gates	5
9028	Gates silt loam, 3 to 6 percent slopes	Gates	5
9063	Kenesaw silt loam, 0 to 1 percent slopes	Kenesaw	5
9064	Kenesaw silt loam, 1 to 3 percent slopes	Kenesaw	5
9066	Kenesaw silt loam, 3 to 6 percent slopes	Kenesaw	5
9071	Kenesaw-Coly silt loams, 3 to 6 percent slopes	Kenesaw	5
9080	Rusco silt loam, 0 to 1 percent slopes	Rusco	5
9810	Riverwash	Riverwash	5
9900	Fluvaquents, frequently flooded	Fluvaquents	5
9971	Arents, earthen dam	Arents	
9983	Gravel pit	Pits	
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Custer County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
2100	Boel fine sandy loam, occasionally flooded	Boel	2
2110	Inavale loamy fine sand, occasionally flooded	Inavale	5
2521	Coly-Hobbs silt loams, 0 to 30 percent slopes	Coly	5
2533	Coly silt loam, 11 to 30 percent slopes	Coly	5
2537	Coly silt loam, 6 to 11 percent slopes	Coly	5
2538	Coly silt loam, 6 to 11 percent slopes, eroded	Coly	5
2539	Coly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2543	Coly silt loam, 11 to 17 percent slopes, eroded, cool	Coly	5
2555	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	Coly	5
2558	Coly-Uly silt loams, 6 to 11 percent slopes, eroded	Coly	5
2560	Coly-Uly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2595	Hersh fine sandy loam, 0 to 3 percent slopes	Hersh	5
2596	Hersh fine sandy loam, 3 to 6 percent slopes	Hersh	5
2597	Hersh fine sandy loam, 6 to 11 percent slopes	Hersh	5
2598	Hersh fine sandy loam, 11 to 17 percent slopes	Hersh	5
2600	Hersh loamy fine sand, 3 to 6 percent slopes	Hersh	5
2610	Hersh-Valentine complex, 11 to 24 percent slopes	Hersh	5
2614	Hersh-Valentine complex, 15 to 30 percent slopes	Hersh	5
2668	Holdrege silt loam, 1 to 3 percent slopes	Holdrege	5
2670	Holdrege silt loam, 3 to 7 percent slopes	Holdrege	5
2671	Holdrege silt loam, 3 to 7 percent slopes, eroded	Holdrege	5
2672	Holdrege silty clay loam, 3 to 7 percent slopes, eroded	Holdrege	5
2810	Uly and Coly silt loams, 11 to 30 percent slopes	Uly	5
2814	Uly silt loam, 0 to 1 percent slopes	Uly	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2823	Uly silt loam, 11 to 17 percent slopes, eroded	Uly	5
2831	Uly-Coly silt loams, 17 to 30 percent slopes, eroded	Uly	5
2837	Uly-Holdrege silt loams, 6 to 11 percent slopes	Uly	5
2838	Uly-Holdrege-Coly silt loams, 6 to 11 percent slopes, eroded	Holdrege	5
2842	Uly-Sully silt loams, 17 to 30 percent slopes, eroded	Uly	5
3545	Hobbs silt loam, channeled, frequently flooded	Hobbs	5
3562	Hobbs silt loam, occasionally flooded, cool	Hobbs	5
3710	Cass fine sandy loam, rarely flooded	Cass	3
3912	Scott silty clay loam, frequently ponded	Scott	5
3946	Fillmore variant silt loam, frequently ponded	Fillmore variant	4
3952	Fillmore silt loam, frequently ponded	Fillmore	5
4138	Holdrege silt loam, 7 to 11 percent slopes	Holdrege	5
4146	Holdrege silty clay loam, 7 to 11 percent slopes, eroded	Holdrege	5
4205	Almeria loamy fine sand, channeled, frequently flooded, 0 to 2 percent slopes	Almeria	5
4240	Ord fine sandy loam, rarely flooded	Ord	5
4247	Ord very fine sandy loam, occasionally flooded	Ord	3
4260	Gannett and Loup loams, occasionally flooded	Gannett	3
4368	lpage sand, terrace, 0 to 3 percent slopes	lpage	5
4485	Dunday loamy fine sand, 0 to 3 percent slopes	Dunday	5
4521	Els fine sand, 0 to 3 percent slopes	Els	5
4542	Els-lpage complex, 0 to 3 percent slopes	Els	5
4576	Gannett loam, 0 to 1 percent slopes	Gannett	3
4646	lpage loamy fine sand, 0 to 3 percent slopes	lpage	5
4781	Valentine fine sand, 0 to 3 percent slopes	Valentine	5
4791	Valentine fine sand, 3 to 9 percent slopes	Valentine	5
4792	Valentine fine sand, 3 to 9 percent slopes, moist	Valentine	5
4806	Valentine fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4807	Valentine fine sand, rolling, 9 to 24 percent slopes	Valentine	5
4809	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes , moist	Valentine	5
4810	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes	Valentine	5
4813	Valentine loamy fine sand, 0 to 3 percent slopes, moist	Valentine	5
4814	Valentine loamy fine sand, 0 to 3 percent slopes	Valentine	5
4818	Valentine loamy fine sand, 3 to 9 percent slopes	Valentine	5
4820	Valentine loamy fine sand, 3 to 9 percent slopes, moist	Valentine	5
4833	Valentine loamy fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4834	Valentine loamy fine sand, rolling, 9 to 24 percent slopes	Valentine	5
6311	Barney fine sandy loam, frequently flooded	Barney	5
6313	Barney loam, channeled, frequently flooded	Barney	5
8420	Boel loamy fine sand, occasionally flooded	Boel	5
8423	Boel soils, channeled, frequently flooded	Boel	5

**Soil Loss Tolerance Values (T-Factors) For Custer County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
8470	Gibbon silt loam, occasionally flooded	Gibbon	5
8808	Anselmo fine sandy loam, terrace, 0 to 1 percent slopes	Anselmo	5
8815	Cozad silt loam, 0 to 1 percent slopes	Cozad	5
8816	Cozad silt loam, 1 to 3 percent slopes	Cozad	5
8817	Cozad silt loam, 3 to 6 percent slopes	Cozad	5
8840	Hall silt loam, 0 to 1 percent slopes	Hall	5
8841	Hall silt loam, 1 to 3 percent slopes	Hall	5
8867	Hord fine sandy loam, 1 to 3 percent slopes	Hord	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8872	Hord silt loam, 3 to 6 percent slopes	Hord	5
8906	Ovina loam, 0 to 1 percent slopes	Ovina	5
9001	Anselmo fine sandy loam, 0 to 1 percent slopes	Anselmo	5
9002	Anselmo fine sandy loam, 1 to 3 percent slopes	Anselmo	5
9004	Anselmo fine sandy loam, 3 to 6 percent slopes	Anselmo	5
9012	Anselmo loamy fine sand, 0 to 3 percent slopes	Anselmo	5
9014	Anselmo very fine sandy loam, 0 to 1 percent slopes	Anselmo	5
9015	Anselmo very fine sandy loam, 1 to 3 percent slopes	Anselmo	5
9027	Gates silt loam, 1 to 3 percent slopes	Gates	5
9029	Gates silt loam, 3 to 6 percent slopes, eroded	Gates	5
9030	Gates silt loam, 6 to 11 percent slopes, eroded	Gates	5
9033	Gates silt loam, 11 to 30 percent slopes	Gates	5
9036	Gates very fine sandy loam, 3 to 6 percent slopes	Gates	5
9038	Gates very fine sandy loam, 6 to 11 percent slopes, eroded	Gates	5
9039	Gates very fine sandy loam, 11 to 17 percent slopes	Gates	5
9041	Gates very fine sandy loam, 17 to 30 percent slopes	Gates	5
9043	Gates-Hersh complex, 20 to 60 percent slopes	Gates	5
9050	Graybert very fine sandy loam, 0 to 1 percent slopes	Graybert	5
9051	Graybert very fine sandy loam, 1 to 3 percent slopes	Graybert	5
9052	Graybert very fine sandy loam, 3 to 6 percent slopes	Graybert	5
9068	Kenesaw very fine sandy loam, 0 to 1 percent slopes	Kenesaw	5
9069	Kenesaw very fine sandy loam, 1 to 3 percent slopes	Kenesaw	5
9081	Rusco silty clay loam, 0 to 1 percent slopes	Rusco	5
9900	Fluvaquents, frequently flooded	Fluvaquents	5
9967	Sanitary landfill	Sanitary landfill	
9970	Aquolls	Aquolls	5
9983	Gravel pit	Pits	
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Garfield County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
2539	Coly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2540	Coly-Hobbs silt loams, 3 to 60 percent slopes, moist	Coly	5
2595	Hersh fine sandy loam, 0 to 3 percent slopes	Hersh	5
2596	Hersh fine sandy loam, 3 to 6 percent slopes	Hersh	5
2597	Hersh fine sandy loam, 6 to 11 percent slopes	Hersh	5
2604	Hersh-Gates complex, 0 to 3 percent slopes	Hersh	5
2610	Hersh-Valentine complex, 11 to 24 percent slopes	Hersh	5
2611	Hersh-Valentine complex, 11 to 30 percent slopes	Hersh	5
2822	Uly silt loam, 11 to 17 percent slopes, eroded, moist	Uly	5
2823	Uly silt loam, 11 to 17 percent slopes, eroded	Uly	5
2831	Uly-Coly silt loams, 17 to 30 percent slopes, eroded	Uly	5
2833	Uly-Coly silt loams, 17 to 30 percent slopes, eroded, moist	Uly	5
2844	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	Uly	5
2845	Uly-Coly silt loams, 11 to 17 percent slopes, eroded	Uly	5
3562	Hobbs silt loam, occasionally flooded, cool	Hobbs	5
4200	Almeria fine sandy loam, channeled, frequently flooded	Almeria	5
4265	Loup fine sandy loam, occasionally flooded	Loup	5
4351	Elsmere loamy fine sand, 0 to 3 percent slopes	Elsmere	5
4365	lpage loamy fine sand, terrace, 0 to 3 percent slopes	lpage	5
4376	Loup fine sandy loam, rarely flooded	Loup	2
4451	Valentine severely eroded-Valentine complex, moist 0 to 60 percent slopes	Valentine	4
4533	Els loamy sand, 0 to 3 percent slopes	Els	5
4542	Els-lpage complex, 0 to 3 percent slopes	Els	5
4545	Els-lpage fine sands, 0 to 3 percent slopes	Els	5
4562	Elsmere-Selia loamy fine sands, 0 to 3 percent slopes	Elsmere	5
4641	lpage fine sand, 0 to 3 percent slopes	lpage	5
4646	lpage loamy fine sand, 0 to 3 percent slopes	lpage	5
4662	Loup fine sandy loam, 0 to 1 percent slopes	Loup	5
4669	Loup fine sandy loam, frequently ponded	Loup	2
4687	Marlake loamy fine sand, frequently ponded	Marlake	5
4746	Tryon loamy fine sand, 0 to 3 percent slopes	Tryon	5
4751	Tryon loamy fine sand, frequently ponded, 0 to 3 percent slopes	Tryon	5
4758	Tryon-lpage complex, 0 to 3 percent slopes	Tryon	5
4792	Valentine fine sand, 3 to 9 percent slopes, moist	Valentine	5
4806	Valentine fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4809	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes, moist	Valentine	5
4820	Valentine loamy fine sand, 3 to 9 percent slopes, moist	Valentine	5
4833	Valentine loamy fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4858	Valentine-Els complex, moist, 0 to 9 percent slopes	Valentine	5
4866	Valentine-lpage fine sands, 1 to 30 percent slopes	Valentine	5
6313	Barney loam, channeled, frequently flooded	Barney	5
6366	Obert silt loam, occasionally flooded	Obert	5
8469	Gibbon silt loam, rarely flooded	Gibbon	5
8585	Wann loam, rarely flooded	Wann	5
8815	Cozad silt loam, 0 to 1 percent slopes	Cozad	5
8816	Cozad silt loam, 1 to 3 percent slopes	Cozad	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8927	Simeon loamy sand, 3 to 30 percent slopes	Simeon	5
9035	Gates very fine sandy loam, 1 to 3 percent slopes	Gates	5
9037	Gates very fine sandy loam, 3 to 6 percent slopes, eroded	Gates	5
9038	Gates very fine sandy loam, 6 to 11 percent slopes, eroded	Gates	5
9040	Gates very fine sandy loam, 11 to 30 percent slopes	Gates	5
9082	Rusco variant silty clay loam, 0 to 1 percent slopes	Rusco variant	3
9903	Fluvaquents, sandy, frequently flooded	Fluvaquents, sandy	5
9970	Aquolls	Aquolls	5
9971	Arents, earthen dam	Arents	
9983	Gravel pit	Pits	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Greeley County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
2538	Coly silt loam, 6 to 11 percent slopes, eroded	Coly	5
2539	Coly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2540	Coly-Hobbs silt loams, 3 to 60 percent slopes, moist	Coly	5
2555	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	Coly	5
2595	Hersh fine sandy loam, 0 to 3 percent slopes	Hersh	5
2596	Hersh fine sandy loam, 3 to 6 percent slopes	Hersh	5
2597	Hersh fine sandy loam, 6 to 11 percent slopes	Hersh	5
2598	Hersh fine sandy loam, 11 to 17 percent slopes	Hersh	5
2605	Hersh-Gates complex, 17 to 30 percent slopes	Hersh	5
2666	Holdrege silt loam, 0 to 1 percent slopes, cool	Holdrege	5
2668	Holdrege silt loam, 1 to 3 percent slopes	Holdrege	5
2670	Holdrege silt loam, 3 to 7 percent slopes	Holdrege	5
2672	Holdrege silty clay loam, 3 to 7 percent slopes, eroded	Holdrege	5
2812	Uly-Holdrege silt loams, 7 to 11 percent slopes, eroded	Uly	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2822	Uly silt loam, 11 to 17 percent slopes, eroded, moist	Uly	5
2823	Uly silt loam, 11 to 17 percent slopes, eroded	Uly	5
2824	Uly silt loam, 11 to 30 percent slopes, eroded	Uly	5
2831	Uly-Coly silt loams, 17 to 30 percent slopes, eroded	Uly	5
2833	Uly-Coly silt loams, 17 to 30 percent slopes, eroded, moist	Uly	5
2844	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	Uly	5
2845	Uly-Coly silt loams, 11 to 17 percent slopes, eroded	Uly	5
3545	Hobbs silt loam, channeled, frequently flooded	Hobbs	5
3553	Hobbs silt loam, 0 to 2 percent slopes, frequently flooded, cool	Hobbs	5
3561	Hobbs silt loam, occasionally flooded	Hobbs	5
3562	Hobbs silt loam, occasionally flooded, cool	Hobbs	5
3710	Cass fine sandy loam, rarely flooded	Cass	5
3912	Scott silty clay loam, frequently ponded	Scott	5
4205	Almeria loamy fine sand, channeled, frequently flooded, 0 to 2 percent slopes	Almeria	5
4266	Loup loam, occasionally flooded	Loup	5
4487	Dunday loamy fine sand, 0 to 3 percent slopes, moist	Dunday	5
4492	Dunday loamy fine sand, 3 to 9 percent slopes slopes, moist	Dunday	5
4641	lpage fine sand, 0 to 3 percent slopes	lpage	5
4646	lpage loamy fine sand, 0 to 3 percent slopes	lpage	5
4781	Valentine fine sand, 0 to 3 percent slopes	Valentine	5
4782	Valentine fine sand, 0 to 3 percent slopes, moist	Valentine	5
4791	Valentine fine sand, 3 to 9 percent slopes	Valentine	5
4792	Valentine fine sand, 3 to 9 percent slopes, moist	Valentine	5
4806	Valentine fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4807	Valentine fine sand, rolling	Valentine	5
4809	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes , moist	Valentine	5
4810	Valentine fine sand, rolling and hilly	Valentine	5
4813	Valentine loamy fine sand, 0 to 3 percent slopes, moist	Valentine	5
4820	Valentine loamy fine sand, 3 to 9 percent slopes, moist	Valentine	5
6313	Barney loam, channeled, frequently flooded	Barney	2
6352	Leshara silt loam, occasionally flooded	Leshara	4
6383	Saltine-Leshara silt loams, occasionally flooded	Saltine	5
6508	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	5
6513	Blendon loam, 0 to 2 percent slopes	Blendon	5
8418	Boel loam, occasionally flooded	Boel	2
8815	Cozad silt loam, 0 to 1 percent slopes	Cozad	5
8816	Cozad silt loam, 1 to 3 percent slopes	Cozad	5
8817	Cozad silt loam, 3 to 6 percent slopes	Cozad	5
8840	Hall silt loam, 0 to 1 percent slopes	Hall	5
8841	Hall silt loam, 1 to 3 percent slopes	Hall	5
8864	Hord-Uly complex, 0 to 6 percent slopes	Hord	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8872	Hord silt loam, 3 to 6 percent slopes	Hord	5
8925	Simeon loamy sand, 0 to 3 percent slopes	Simeon	5
9002	Anselmo fine sandy loam, 1 to 3 percent slopes	Anselmo	5
9004	Anselmo fine sandy loam, 3 to 6 percent slopes	Anselmo	5
9029	Gates silt loam, 3 to 6 percent slopes, eroded	Gates	5
9030	Gates silt loam, 6 to 11 percent slopes, eroded	Gates	5
9032	Gates silt loam, 11 to 17 percent slopes, eroded	Gates	5

**Soil Loss Tolerance Values (T-Factors) For Greeley County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
9042	Gates-Hersh complex, 0 to 3 percent slopes	Gates	5
9068	Kenesaw very fine sandy loam, 0 to 1 percent slopes	Kenesaw	5
9069	Kenesaw very fine sandy loam, 1 to 3 percent slopes	Kenesaw	5
9903	Fluvaquents, sandy, frequently flooded	Fluvaquents, sandy	5
9971	Arents, earthen dam	Arents	
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	



**Soil Loss Tolerance Values (T-Factors) For Howard County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
1038	Grigston silt loam	Grigston	5
2288	Wann loam, occasionally flooded	Wann	5
2321	Inavale fine sand, 0 to 3 percent slopes	Inavale	5
2326	Inavale fine sandy loam, 0 to 3 percent slopes	Inavale	5
2329	Inavale loam, 0 to 3 percent slopes	Inavale	5
2335	Inavale loamy fine sand, 0 to 3 percent slopes	Inavale	5
2338	Inavale loamy fine sand, very rarely flooded	Inavale	5
2532	Coly silt loam, 11 to 30 percent slopes, moist	Coly	5
2533	Coly silt loam, 11 to 30 percent slopes	Coly	5
2535	Coly silt loam, 30 to 60 percent slopes, moist	Coly	5
2536	Coly silt loam, 30 to 60 percent slopes	Coly	5
2537	Coly silt loam, 6 to 11 percent slopes	Coly	5
2538	Coly silt loam, 6 to 11 percent slopes, eroded	Coly	5
2539	Coly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2550	Coly-Uly complex, 17 to 30 percent slopes	Coly	5
2555	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	Coly	5
2558	Coly-Uly silt loams, 6 to 11 percent slopes, eroded	Coly	5
2576	Nuckolls soils, 17 to 30 percent slopes, severely eroded	Nuckolls variant	5
2580	Coly silt loam, 3 to 6 percent slopes	Coly	5
2581	Nuckolls variant soils, 11 to 17 percent slopes, severely eroded	Nuckolls variant	5
2585	Nuckolls variant soils, 7 to 11 percent slopes, severely eroded	Nuckolls variant	5
2612	Harney silt loam, 0 to 1 percent slopes	Harney	5
2666	Holdrege silt loam, 0 to 1 percent slopes, cool	Holdrege	5
2668	Holdrege silt loam, 1 to 3 percent slopes	Holdrege	5
2670	Holdrege silt loam, 3 to 7 percent slopes	Holdrege	5
2671	Holdrege silt loam, 3 to 7 percent slopes, eroded	Holdrege	5
2672	Holdrege silty clay loam, 3 to 7 percent slopes, eroded	Holdrege	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2822	Uly silt loam, 11 to 17 percent slopes, eroded, moist	Uly	5
2823	Uly silt loam, 11 to 17 percent slopes, eroded	Uly	5
2831	Uly-Coly silt loams, 17 to 30 percent slopes, eroded	Uly	5
2833	Uly-Coly silt loams, 17 to 30 percent slopes, eroded, moist	Uly	5
2844	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	Uly	5
2845	Uly-Coly silt loams, 11 to 17 percent slopes, eroded	Uly	5
3264	O'Neill loam, 0 to 2 percent slopes	O'Neill	3
3513	Lamo silt loam, occasionally flooded	Lamo	5
3529	Gibbon loam, occasionally flooded	Gibbon	5
3545	Hobbs silt loam, channeled, frequently flooded	Hobbs	5
3553	Hobbs silt loam, frequently flooded	Hobbs	5
3562	Hobbs silt loam, occasionally flooded, cool	Hobbs	5
3726	Detroit silt loam, 0 to 1 percent slopes	Detroit	5
3755	Hord silt loam, rarely flooded	Hord	5
4115	Holdrege variant silty clay loam, 7 to 11 percent slopes, severely eroded	Holdrege variant	5
4138	Holdrege silt loam, 7 to 11 percent slopes	Holdrege	5
4146	Holdrege silty clay loam, 7 to 11 percent slopes, eroded	Holdrege	5
4213	Almeria loam, occasionally flooded	Almeria	5
4225	Bolent loamy sand, occasionally flooded	Bolent	5
4240	Ord fine sandy loam, rarely flooded	Ord	3
4243	Ord loam, rarely flooded	Ord	3
4258	Almeria soils, occasionally flooded	Almeria	5
4266	Loup loam, occasionally flooded	Loup	5
4370	Libory loamy fine sand, 0 to 3 percent slopes	Libory	5
4372	Libory-Boelus fine sands	Libory	5
4373	Libory-Boelus loamy fine sands	Libory	5
4527	Els loamy fine sand, 0 to 3 percent slopes	Els	5
4553	Elsmere loamy fine sand, 0 to 3 percent slopes	Elsmere	5
4563	Els-Tryon complex, 0 to 3 percent slopes	Els	5
4646	lpage loamy fine sand, 0 to 3 percent slopes	lpage	5
4657	lpage-Tryon, wet, complex, silty substratum, 0 to 3 percent slopes	lpage	5
4668	Loup fine sandy loam, loamy substratum, 0 to 2 percent slopes	Loup	5
4775	Valentine and Thurman soils, 0 to 17 percent slopes	Valentine	5
4791	Valentine fine sand, 3 to 9 percent slopes	Valentine	5

**Soil Loss Tolerance Values (T-Factors) For Howard County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
4807	Valentine fine sand, rolling	Valentine	5
4814	Valentine loamy fine sand, 0 to 3 percent slopes	Valentine	5
4867	Valentine-Libory complex, 0 to 9 percent slopes	Valentine	5
5732	Darr fine sandy loam, rarely flooded	Darr	3
6312	Barney loam, frequently flooded	Barney	2
6529	Janude sandy loam, very rarely flooded	Janude	5
6532	Loretto complex, 0 to 6 percent slopes	Loretto	5
6533	Loretto fine sandy loam, 0 to 2 percent slopes	Loretto	5
6536	Loretto-Valentine complex, 3 to 11 percent slopes	Loretto	5
6560	Thurman fine sand, 0 to 6 percent slopes	Thurman	5
6565	Thurman loamy fine sand, loamy substratum, 0 to 2 percent slopes	Thurman	5
6572	Thurman-Valentine loamy fine sands, terrace, 0 to 2 percent slopes	Dunday	5
6578	Ortello fine sandy loam, 0 to 1 percent slopes	Ortello	5
6579	Ortello loam, 0 to 1 percent slopes	Ortello	5
6580	Ortello loam, 1 to 5 percent slopes	Ortello	5
6582	Ortello loamy fine sand, 1 to 6 percent slopes	Ortello	5
6700	Thurman loamy fine sand, 0 to 2 percent slopes	Thurman	5
6703	Thurman loamy fine sand, 2 to 6 percent slopes	Thurman	5
6849	Ortello fine sandy loam, silty substratum, 0 to 3 percent slopes	Ortello	5
6859	Ortello-Coly complex, 17 to 30 percent slopes	Ortello	5
8415	Boel fine sandy loam, rarely flooded	Boel	2
8417	Boel loam, rarely flooded	Boel	2
8418	Boel loam, occasionally flooded	Boel	2
8419	Boel loamy fine sand, rarely flooded	Boel	5
8452	Darr silt loam, rarely flooded	Darr	3
8460	Gayville loam, rarely flooded	Gayville	2
8461	Gayville variant silt loam, rarely flooded	Gayville variant	2
8469	Gibbon silt loam, rarely flooded	Gibbon	5
8493	Gothenburg loamy sand, frequently flooded	Gothenburg	5
8495	Gothenburg soils, frequently flooded	Gothenburg	5
8531	Novina sandy loam, rarely flooded	Novina	5
8541	Ovina loam, rarely flooded	Ovina	5
8551	Silver Creek complex, saline-alkali, rarely flooded	Silver Creek	2
8557	Silver Creek-Slickspots complex, rarely flooded	Silver Creek	5
8585	Wann loam, rarely flooded	Wann	5
8587	Wann sandy loam, occasionally flooded	Wann	5
8812	Cozad loam, sand substratum, 0 to 3 percent slopes	Cozad	5
8816	Cozad silt loam, 1 to 3 percent slopes	Cozad	5
8840	Hall silt loam, 0 to 1 percent slopes	Hall	5
8845	Hall silt loam, sandy substratum, 0 to 1 percent slopes	Hall	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8872	Hord silt loam, 3 to 6 percent slopes	Hord	5
8874	Hord silt loam, sandy substratum, 0 to 1 percent slopes	Hord	4
8905	Ovina fine sandy loam	Ovina	5
8907	Ovina loamy fine sand	Ovina	5
8920	Rusco silt loam, occasionally flooded	Rusco	5
8925	Simeon loamy sand, 0 to 3 percent slopes	Simeon	5
8962	Wood River-Silver Creek fine sandy loams, 0 to 1 percent slopes	Wood River	3
9001	Anselmo fine sandy loam, 0 to 1 percent slopes	Anselmo	5
9025	Gates fine sandy loam, 0 to 3 percent slopes, hummocky	Gates	5
9063	Kenesaw silt loam, 0 to 1 percent slopes	Kenesaw	5
9065	Kenesaw silt loam, 1 to 6 percent slopes	Kenesaw	5
9066	Kenesaw silt loam, 3 to 6 percent slopes	Kenesaw	5
9067	Kenesaw silt loam, 6 to 11 percent slopes	Kenesaw	5
9072	Kenesaw-Cozad complex	Kenesaw	5
9900	Fluvaquents, frequently flooded	Fluvaquents	5
9966	Blown-out land	Blownout land	5
9970	Aquolls	Aquolls	5
9983	Gravel pit	Pits	
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Loup County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
2539	Coly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2595	Hersh fine sandy loam, 0 to 3 percent slopes	Hersh	5
2596	Hersh fine sandy loam, 3 to 6 percent slopes	Hersh	5
2597	Hersh fine sandy loam, 6 to 11 percent slopes	Hersh	5
2600	Hersh loamy fine sand, 3 to 6 percent slopes	Hersh	5
2604	Hersh-Gates complex, 0 to 3 percent slopes	Hersh	5
2606	Hersh-Gates complex, 30 to 60 percent slopes	Hersh	5
2610	Hersh-Valentine complex, 11 to 24 percent slopes	Hersh	5
2670	Holdrege silt loam, 3 to 7 percent slopes	Holdrege	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2823	Uly silt loam, 11 to 17 percent slopes, eroded	Uly	5
3545	Hobbs silt loam, channeled, frequently flooded	Hobbs	5
3562	Hobbs silt loam, occasionally flooded, cool	Hobbs	5
4200	Almeria fine sandy loam, channeled, frequently flooded	Almeria	5
4204	Almeria loamy fine sand, occasionally flooded, 0 to 2 percent slopes	Almeria	5
4206	Almeria loamy fine sand, wet, occasionally flooded	Almeria	5
4208	Almeria-Histosols complex, channeled, frequently flooded	Almeria	5
4223	Bolent loamy fine sand, occasionally flooded	Bolent	5
4225	Bolent loamy sand, occasionally flooded	Bolent	5
4232	Calamus loamy fine sand, rarely flooded	Calamus	5
4246	Ord very fine sandy loam, rarely flooded	Ord	4
4265	Loup fine sandy loam, occasionally flooded	Loup	5
4364	lpage fine sand, terrace, 0 to 3 percent slopes	lpage	5
4365	lpage loamy fine sand, terrace, 0 to 3 percent slopes	lpage	5
4451	Valentine severely eroded-Valentine complex, moist 0 to 60 percent slopes	Valentine	4
4533	Els loamy sand, 0 to 3 percent slopes	Els	5
4545	Els-lpage fine sands, 0 to 3 percent slopes	Els	5
4553	Elsmere loamy fine sand, 0 to 3 percent slopes	Elsmere	5
4641	lpage fine sand, 0 to 3 percent slopes	lpage	5
4687	Marlake loamy fine sand, frequently ponded	Marlake	5
4746	Tryon loamy fine sand, 0 to 3 percent slopes	Tryon	5
4751	Tryon loamy fine sand, frequently ponded, 0 to 3 percent slopes	Tryon	5
4755	Tryon-Els complex, 0 to 3 percent slopes	Tryon	5
4758	Tryon-lpage complex, 0 to 3 percent slopes	Tryon	5
4792	Valentine fine sand, 3 to 9 percent slopes, moist	Valentine	5
4806	Valentine fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4809	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes , moist	Valentine	5
4813	Valentine loamy fine sand, 0 to 3 percent slopes, moist	Valentine	5
4820	Valentine loamy fine sand, 3 to 9 percent slopes, moist	Valentine	5
4858	Valentine-Els complex, moist, 0 to 9 percent slopes	Valentine	5
4877	Valentine-Simeon complex, moist, 0 to 9 percent slopes	Valentine	5
5290	Vetal very fine sandy loam, 0 to 3 percent slopes	Vetal	5
6638	Boelus loamy fine sand, sandy substratum, 0 to 3 percent slopes	Boelus	5
6644	Boelus sandy substratum-Simeon loamy sands, 0 to 3 percent slopes	Boelus	5
8815	Cozad silt loam, 0 to 1 percent slopes	Cozad	5
8816	Cozad silt loam, 1 to 3 percent slopes	Cozad	5
8817	Cozad silt loam, 3 to 6 percent slopes	Cozad	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8929	Simeon sand, 0 to 3 percent slopes	Simeon	5
8930	Simeon sand, 3 to 30 percent slopes	Simeon	5
9027	Gates silt loam, 1 to 3 percent slopes	Gates	5
9029	Gates silt loam, 3 to 6 percent slopes, eroded	Gates	5
9030	Gates silt loam, 6 to 11 percent slopes, eroded	Gates	5
9033	Gates silt loam, 11 to 30 percent slopes	Gates	5
9036	Gates very fine sandy loam, 3 to 6 percent slopes	Gates	5
9043	Gates-Hersh complex, 20 to 60 percent slopes	Gates	5
9069	Kenesaw very fine sandy loam, 1 to 3 percent slopes	Kenesaw	5
9903	Fluvaquents, sandy, frequently flooded	Fluvaquents, sandy	5
9970	Aquolls	Aquolls	5
9983	Gravel pit	Pits	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Merrick County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
1021	Caruso loam, rarely flooded	Caruso	5
1022	Caruso-Gayville complex, 0 to 1 percent slopes	Caruso	5
2288	Wann loam, occasionally flooded	Wann	5
2335	Inavale loamy fine sand, 0 to 3 percent slopes	Inavale	5
2338	Inavale loamy fine sand, very rarely flooded	Inavale	5
2343	Inavale loamy sand, 3 to 11 percent slopes	Inavale	5
2537	Coly silt loam, 6 to 11 percent slopes	Coly	5
2538	Coly silt loam, 6 to 11 percent slopes, eroded	Coly	5
2581	Nuckolls variant soils, 11 to 17 percent slopes, severely eroded	Nuckolls variant	5
2666	Holdrege silt loam, 0 to 1 percent slopes, cool	Holdrege	5
2668	Holdrege silt loam, 1 to 3 percent slopes	Holdrege	5
2671	Holdrege silt loam, 3 to 7 percent slopes, eroded	Holdrege	5
2812	Uly-Holdrege silt loams, 7 to 11 percent slopes, eroded	Uly	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2833	Uly-Coly silt loams, 17 to 30 percent slopes, eroded, moist	Uly	5
2845	Uly-Coly silt loams, 11 to 17 percent slopes, eroded	Uly	5
3110	O'Neill and Pivot loams, 0 to 2 percent slopes	O'Neill	3
3156	Brocksburg loam, 0 to 2 percent slopes	Brocksburg	3
3253	Meadin sandy loam, 2 to 11 percent slopes	Meadin	5
3264	O'Neill loam, 0 to 2 percent slopes	O'Neill	3
3267	O'Neill sandy loam, 0 to 2 percent slopes	O'Neill	5
3268	O'Neill sandy loam, 2 to 6 percent slopes	O'Neill	5
3512	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	Lamo	4
3524	Lamo-Saltine complex, occasionally flooded	Lamo	5
3529	Gibbon loam, occasionally flooded	Gibbon	5
3545	Hobbs silt loam, channeled, frequently flooded	Hobbs	5
3553	Hobbs silt loam, 0 to 2 percent slopes, frequently flooded, cool	Hobbs	5
3562	Hobbs silt loam, occasionally flooded, cool	Hobbs	5
3885	Holder silt loam, 0 to 1 percent slopes	Holder	5
4220	Bolent fine sandy loam, occasionally flooded	Bolent	5
4232	Calamus loamy fine sand, rarely flooded	Calamus	5
4265	Loup fine sandy loam, occasionally flooded	Loup	2
4370	Libory loamy fine sand, 0 to 3 percent slopes	Libory	5
4527	Els loamy fine sand, 0 to 3 percent slopes	Els	5
4646	lpage loamy fine sand, 0 to 3 percent slopes	lpage	5
4654	lpage-Els loamy fine sands, 0 to 3 percent slopes	lpage	5
4690	Marlake loamy sand, frequently ponded	Marlake	5
4775	Valentine and Thurman soils, 0 to 17 percent slopes	Valentine	5
4791	Valentine fine sand, 3 to 9 percent slopes	Valentine	5
4796	Valentine fine sand, 9 to 24 percent slopes	Valentine	5
4807	Valentine fine sand, rolling	Valentine	5
4814	Valentine loamy fine sand, 0 to 3 percent slopes	Valentine	5
4818	Valentine loamy fine sand, 3 to 9 percent slopes	Valentine	5
4853	Valentine-Boelus loamy fine sands, 0 to 3 percent slopes	Valentine	5
4854	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	Valentine	5
4867	Valentine-Libory complex, 0 to 9 percent slopes	Valentine	5
6310	Barney complex, channeled, frequently flooded	Barney	2
6312	Barney loam, frequently flooded	Barney	2
6322	Barney-Bolent complex, frequently flooded	Barney	5
6344	Lawet variant fine sandy loam, frequently flooded	Lawet variant	4
6352	Leshara silt loam, occasionally flooded	Leshara	4
6366	Obert silt loam, occasionally flooded	Obert	5
6508	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	5
6510	Blendon fine sandy loam, 2 to 6 percent slopes	Blendon	5
6513	Blendon loam, 0 to 2 percent slopes	Blendon	5
6517	Blendon variant fine sandy loam, 0 to 2 percent slopes	Blendon variant	5
6525	Janude fine sandy loam, 0 to 1 percent slopes	Janude	5
6527	Janude loam, calcareous, rarely flooded	Janude	5

**Soil Loss Tolerance Values (T-Factors) For Merrick County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
6529	Janude sandy loam, very rarely flooded	Janude	5
6533	Loretto fine sandy loam, 0 to 2 percent slopes	Loretto	5
6536	Loretto-Valentine complex, 3 to 11 percent slopes	Loretto	5
6700	Thurman loamy fine sand, 0 to 2 percent slopes	Thurman	5
6701	Thurman loamy fine sand, 1 to 3 percent slopes	Thurman	5
6703	Thurman loamy fine sand, 2 to 6 percent slopes	Thurman	5
6730	Thurman-Ortello fine sandy loams, 0 to 2 percent slopes	Thurman	2
6843	Ortello fine sandy loam, 1 to 3 percent slopes	Ortello	5
8402	Alda loam, rarely flooded	Alda	3
8403	Alda loam, occasionally flooded	Alda	3
8404	Alda sandy loam, rarely flooded	Alda	3
8405	Alda sandy loam, occasionally flooded	Alda	3
8418	Boel loam, occasionally flooded	Boel	2
8455	Fonner loam, rarely flooded	Fonner	2
8456	Fonner sandy loam, rarely flooded	Fonner	3
8457	Fonner variant loamy sand, rarely flooded	Fonner variant	5
8458	Fonner variant loamy sand, occasionally flooded	Fonner variant	5
8461	Gayville variant silt loam, rarely flooded	Gayville variant	2
8463	Gayville-Caruso complex, occasionally flooded	Gayville variant	2
8469	Gibbon silt loam, rarely flooded	Gibbon	5
8476	Gibbon-Gayville silty clay loams, occasionally flooded	Gibbon	5
8490	Gothenburg fine sandy loam, frequently flooded	Gothenburg	5
8493	Gothenburg loamy sand, frequently flooded	Gothenburg	5
8495	Gothenburg soils, frequently flooded	Gothenburg	5
8501	Lex clay loam, occasionally flooded	Lex	3
8503	Lex loam, occasionally flooded	Lex	3
8508	Lex variant loam, occasionally flooded	Lex variant	3
8515	Lockton loam, rarely flooded	Lockton	3
8520	Merrick loam, rarely flooded	Merrick	5
8530	Novina fine sandy loam, rarely flooded	Novina	5
8531	Novina sandy loam, rarely flooded	Novina	5
8541	Ovina loam, rarely flooded	Ovina	5
8551	Silver Creek complex, saline-alkali, rarely flooded	Silver Creek	2
8562	Platte fine sandy loam, occasionally flooded	Platte	2
8563	Platte loam, occasionally flooded	Platte	2
8564	Platte loam, wet, occasionally flooded	Platte	5
8567	Platte-Alda complex, occasionally flooded	Platte	2
8568	Platte-Alda loams, channeled, frequently flooded	Platte	2
8570	Platte-Bolent complex, occasionally flooded	Platte	2
8571	Platte-Gothenburg complex, channeled, frequently flooded	Platte	2
8587	Wann sandy loam, occasionally flooded	Wann	5
8812	Cozad loam, sand substratum, 0 to 3 percent slopes	Cozad	5
8814	Cozad loam, wet substratum, 0 to 1 percent slopes	Cozad	5
8841	Hall silt loam, 1 to 3 percent slopes	Hall	5
8845	Hall silt loam, sandy substratum, 0 to 1 percent slopes	Hall	4
8864	Hord-Uly complex, 0 to 6 percent slopes	Hord	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8874	Hord silt loam, sandy substratum, 0 to 1 percent slopes	Hord	4
8878	Hord very fine sandy loam, 0 to 1 percent slopes	Hord	5
8900	Lockton loam	Lockton	3
8920	Rusco silt loam, occasionally flooded	Rusco	5
8925	Simeon loamy sand, 0 to 3 percent slopes	Simeon	5
8960	Wood River silt loam, 0 to 1 percent slopes	Wood River	3
9063	Kenesaw silt loam, 0 to 1 percent slopes	Kenesaw	5
9066	Kenesaw silt loam, 3 to 6 percent slopes	Kenesaw	5
9072	Kenesaw-Cozad complex	Kenesaw	5
9983	Gravel pit	Pits	

Soil Loss Tolerance Values (T-Factors) For Merrick County

Map Unit Symbol	Map Unit Name	Dominant Component	T-Factor
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	



**Soil Loss Tolerance Values (T-Factors) For Nance County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
2100	Boel fine sandy loam, occasionally flooded	Boel	5
2110	Inavale loamy fine sand, occasionally flooded	Inavale	5
2115	Inavale soils, frequently flooded	Inavale	5
2288	Wann loam, occasionally flooded	Wann	5
2328	Inavale fine sandy loam, occasionally flooded	Inavale	5
2332	Inavale fine sand, occasionally flooded	Inavale	5
2335	Inavale loamy fine sand, 0 to 3 percent slopes	Inavale	5
2538	Coly silt loam, 6 to 11 percent slopes, eroded	Coly	5
2580	Coly silt loam, 3 to 6 percent slopes	Coly	5
2666	Holdrege silt loam, 0 to 1 percent slopes, cool	Holdrege	5
2668	Holdrege silt loam, 1 to 3 percent slopes	Holdrege	5
2672	Holdrege silty clay loam, 3 to 7 percent slopes, eroded	Holdrege	5
2812	Uly-Holdrege silt loams, 7 to 11 percent slopes, eroded	Uly	5
2828	Uly, eroded-Hersh complex, 11 to 60 percent slopes	Uly	5
2833	Uly-Coly silt loams, 17 to 30 percent slopes, eroded, moist	Uly	5
2845	Uly-Coly silt loams, 11 to 17 percent slopes, eroded	Uly	5
3248	Meadin loamy fine sand, 0 to 2 percent slopes	Meadin	5
3260	O'Neill fine sandy loam, 0 to 2 percent slopes	O'Neill	5
3512	Lamo clay loam, sandy substratum, 0 to 1 percent slopes	Lamo	4
3518	Lamo silty clay loam, occasionally flooded	Lamo	5
3521	Cass fine sandy loam, occasionally flooded	Cass	2
3524	Lamo-Saltine complex, occasionally flooded	Lamo	5
3525	Lamo silt loam, moderately saline, occasionally flooded	Lamo	5
3529	Gibbon loam, occasionally flooded	Gibbon	5
3545	Hobbs silt loam, channeled, 0 to 2 percent slopes, frequently flooded	Hobbs	5
3553	Hobbs silt loam, 0 to 2 percent slopes, frequently flooded, cool	Hobbs	5
3561	Hobbs silt loam, 0 to 2 percent slopes, occasionally flooded, cool	Hobbs	5
3726	Detroit silt loam, 0 to 1 percent slopes	Detroit	5
3775	Muir silt loam, rarely flooded	Muir	5
3776	Muir silt loam, 1 to 3 percent slopes	Muir	5
3777	Muir silt loam, 3 to 7 percent slopes	Muir	5
3951	Fillmore silt loam, occasionally ponded	Fillmore	3
3952	Fillmore silt loam, frequently ponded	Fillmore	3
4104	Geary variant silty clay loam, 11 to 17 percent slopes, severely eroded	Geary variant	5
4105	Geary variant silty clay loam, 7 to 11 percent slopes, severely eroded	Geary variant	5
4238	Ord variant fine sandy loam, 0 to 1 percent slopes	Ord variant	3
4239	Ord variant very fine sandy loam, 0 to 1 percent slopes	Ord variant	3
4265	Loup fine sandy loam, occasionally flooded	Loup	2
4267	Loup silt loam, occasionally flooded	Loup	2
4527	Els loamy fine sand, 0 to 3 percent slopes	Els	5
4553	Elsmere loamy fine sand, 0 to 3 percent slopes	Elsmere	5
4646	lpage loamy fine sand, 0 to 3 percent slopes	lpage	5
4654	lpage-Els loamy fine sands, 0 to 3 percent slopes	lpage	5
4789	Valentine fine sand, 3 to 17 percent slopes	Valentine	5
4790	Valentine fine sand, 3 to 17 percent slopes, eroded	Valentine	5
4791	Valentine fine sand, 3 to 9 percent slopes	Valentine	5
4796	Valentine fine sand, 9 to 24 percent slopes	Valentine	5
4818	Valentine loamy fine sand, 3 to 9 percent slopes	Valentine	5
4822	Valentine loamy fine sand, 3 to 17 percent slopes	Valentine	5
4854	Valentine-Boelus loamy fine sands, 3 to 9 percent slopes	Valentine	5
6352	Leshara silt loam, occasionally flooded	Leshara	4
6365	Obert soils, occasionally flooded	Obert	5
6366	Obert silt loam, occasionally flooded	Obert	5
6508	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	5
6525	Janude fine sandy loam, 0 to 1 percent slopes	Janude	5
6526	Janude loam, rarely flooded	Janude	5
6529	Janude sandy loam, very rarely flooded	Janude	5
6583	Ortello very fine sandy loam, 1 to 3 percent slopes	Ortello	5
6603	Alcester silty clay loam, 2 to 6 percent slopes	Alcester	5
6628	Belfore silty clay loam, 0 to 2 percent slopes	Belfore	5
6681	Crofton silt loam, 17 to 30 percent slopes, eroded	Crofton	5

**Soil Loss Tolerance Values (T-Factors) For Nance County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
6686	Crofton silt loam, 30 to 60 percent slopes	Crofton	5
6687	Crofton silt loam, 6 to 11 percent slopes, eroded	Crofton	5
6694	Crofton-Nora complex, 6 to 11 percent slopes, eroded	Crofton	5
6697	Crofton-Nora complex, 17 to 30 percent slopes	Crofton	5
6700	Thurman loamy fine sand, 0 to 2 percent slopes	Thurman	5
6701	Thurman loamy fine sand, 1 to 3 percent slopes	Thurman	5
6702	Thurman loamy fine sand, 1 to 3 percent slopes, eroded	Thurman	5
6703	Thurman loamy fine sand, 2 to 6 percent slopes	Thurman	5
6704	Thurman loamy fine sand, 2 to 6 percent slopes, eroded	Thurman	5
6705	Thurman loamy fine sand, 2 to 6 percent slopes, severely eroded	Thurman	5
6730	Thurman-Ortello fine sandy loams, 0 to 2 percent slopes	Thurman	2
6731	Thurman-Ortello fine sandy loams, 2 to 6 percent slopes, eroded	Thurman	5
6732	Thurman-Ortello fine sandy loams, 6 to 11 percent slopes, eroded	Thurman	5
6756	Nora silt loam, 6 to 11 percent slopes, eroded	Nora	5
6757	Nora silt loam, 6 to 11 percent slopes, severely eroded	Nora variant	5
6767	Nora silty clay loam, 6 to 11 percent slopes	Nora	5
6771	Nora-Hersh complex, 11 to 17 percent slopes, severely eroded	Nora variant	5
6772	Nora-Ortello complex, 6 to 11 percent slopes, eroded	Nora	5
6773	Nora-Hersh complex, 6 to 11 percent slopes, severely eroded	Nora variant	5
6774	Nora-Crofton complex, 11 to 17 percent slopes, eroded	Nora	5
6776	Nora-Crofton complex, 11 to 17 percent slopes	Nora	5
6778	Nora-Crofton complex, 6 to 11 percent slopes, eroded	Nora	5
6789	Crofton-Nora complex, 11 to 17 percent slopes, eroded	Crofton	5
6808	Moody silty clay loam, 0 to 2 percent slopes	Moody	5
6812	Moody silty clay loam, 2 to 6 percent slopes, eroded	Moody	5
6815	Loretto-Thurman complex, 1 to 3 percent slopes	Loretto	5
6816	Loretto-Thurman complex, 3 to 6 percent slopes	Loretto	5
6817	Loretto-Rusco variant fine sandy loams, 0 to 2 percent slopes	Loretto	3
6820	Moody-Nora complex, warm, 2 to 6 percent slopes	Moody	5
6821	Moody-Nora silt loams, 3 to 6 percent slopes, eroded	Moody	5
6822	Moody-Nora silt loams, 3 to 6 percent slopes, severely eroded	Moody	5
6843	Ortello fine sandy loam, 1 to 3 percent slopes	Ortello	5
6844	Ortello fine sandy loam, 1 to 3 percent slopes, eroded	Ortello	5
6845	Ortello fine sandy loam, 3 to 6 percent slopes	Ortello	5
6846	Ortello fine sandy loam, 3 to 6 percent slopes, eroded	Ortello	5
6860	Crofton silt loam, 8 to 17 percent slopes, eroded	Crofton	5
8418	Boel loam, occasionally flooded	Boel	2
8420	Boel loamy fine sand, occasionally flooded	Boel	5
8425	Boel-Inavale complex, channeled, frequently flooded	Boel	2
8439	Cass silt loam, occasionally flooded	Cass	2
8463	Gayville-Caruso complex, occasionally flooded	Gayville variant	2
8470	Gibbon silt loam, occasionally flooded	Gibbon	4
8472	Gibbon silt loam, saline, 0 to 2 percent slopes, occasionally flooded	Gibbon	5
8493	Gothenburg loamy sand, frequently flooded	Gothenburg	5
8495	Gothenburg soils, frequently flooded	Gothenburg	5
8531	Novina sandy loam, rarely flooded	Novina	5
8541	Ovina loam, rarely flooded	Ovina	5
8571	Platte-Gothenburg complex, channeled, frequently flooded	Platte	2
8580	Wann fine sandy loam, occasionally flooded	Wann	5
8587	Wann sandy loam, occasionally flooded	Wann	5
8589	Wann silt loam, moderately saline, occasionally flooded	Wann	5
8590	Wann silt loam, occasionally flooded	Wann	5
8840	Hall silt loam, 0 to 1 percent slopes	Hall	5
8841	Hall silt loam, 1 to 3 percent slopes	Hall	5
8843	Hall silt loam, 3 to 6 percent slopes	Hall	5
8844	Hall silt loam, 3 to 6 percent slopes, eroded	Hall	5
8850	Hall-Gayville variant silt loams, 0 to 1 percent slopes	Hall	5
8864	Hord-Uly complex, 0 to 6 percent slopes	Hord	5
8865	Hord fine sandy loam, 0 to 1 percent slopes	Hord	5
8867	Hord fine sandy loam, 1 to 3 percent slopes	Hord	5
8868	Hord fine sandy loam, 3 to 6 percent slopes	Hord	5

**Soil Loss Tolerance Values (T-Factors) For Nance County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8872	Hord silt loam, 3 to 6 percent slopes	Hord	5
8874	Hord silt loam, sandy substratum, 0 to 1 percent slopes	Hord	4
8878	Hord very fine sandy loam, 0 to 1 percent slopes	Hord	5
8879	Hord very fine sandy loam, 1 to 3 percent slopes	Hord	5
8880	Hord very fine sandy loam, 3 to 6 percent slopes	Hord	5
8881	Hord very fine sandy loam, imperfectly drained, 0 to 1 percent slopes	Hord variant	5
8925	Simeon loamy sand, 0 to 3 percent slopes	Simeon	5
9726	Ustorthents, steep	Ustorthents	5
9965	Arents, spoil material	Spoil banks	
9970	Aquolls	Aquolls	
9983	Gravel pit	Pits	2
9986	Miscellaneous water, sewage lagoon	Miscellaneous water	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Platte County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
1041	Grigston silt loam, wet substratum, rarely flooded	Grigston	5
1438	Grigston silt loam, rarely flooded	Grigston	5
2100	Boel fine sandy loam, occasionally flooded	Boel	2
2288	Wann loam, occasionally flooded	Wann	5
2327	Inavale fine sandy loam, rarely flooded	Inavale	5
2331	Inavale loamy fine sand, rarely flooded	Inavale	5
2340	Inavale loamy fine sand, 3 to 11 percent slopes, rarely flooded	Inavale	5
2342	Inavale loamy sand, 3 to 6 percent slopes, rarely flooded	Inavale	5
2351	Inavale-Boel complex, 0 to 6 percent slopes, occasionally flooded	Inavale	5
3260	O'Neill fine sandy loam, 0 to 2 percent slopes	O'Neill	3
3518	Lamo silty clay loam, 0 to 2 percent slopes, occasionally flooded	Lamo	5
3545	Hobbs silt loam, channeled, 0 to 2 percent slopes, frequently flooded	Hobbs	5
3561	Hobbs silt loam, 0 to 2 percent slopes, occasionally flooded, cool	Hobbs	5
3640	Kezan silt loam, frequently flooded	Kezan	5
3774	Muir silty clay loam, rarely flooded	Muir	5
3775	Muir silt loam, rarely flooded	Muir	5
3778	Muir silt loam, sandy substratum, 0 to 1 percent slopes	Muir	4
3820	Butler silt loam, 0 to 1 percent slopes	Butler	3
3837	Geary silty clay loam, 11 to 17 percent slopes, eroded	Geary	5
3839	Geary silty clay loam, 11 to 30 percent slopes	Geary	5
3840	Geary silty clay loam, 7 to 11 percent slopes, eroded	Geary	5
3951	Fillmore silt loam, occasionally ponded	Fillmore	3
3952	Fillmore silt loam, frequently ponded	Fillmore	3
4527	Els loamy fine sand, 0 to 3 percent slopes	Els	5
4654	lpage-Els loamy fine sands, 0 to 3 percent slopes	lpage	5
4673	Loup loam, frequently ponded	Loup	5
4791	Valentine fine sand, 3 to 9 percent slopes	Valentine	5
4807	Valentine fine sand, rolling	Valentine	5
4886	Valentine-Thurman complex, 3 to 9 percent slopes	Valentine	5
6312	Barney loam, frequently flooded	Barney	5
6324	Coleridge silty clay loam, 0 to 2 percent slopes, occasionally flooded	Coleridge	5
6336	Lawet silt loam, occasionally flooded	Lawet	5
6364	Obert silty clay loam, frequently ponded	Obert	5
6385	Shell silt loam, occasionally flooded	Shell	5
6386	Shell silt loam, clayey substratum, occasionally flooded	Shell	5
6508	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	5
6525	Janude fine sandy loam, 0 to 1 percent slopes	Janude	5
6526	Janude loam, rarely flooded	Janude	5
6545	Moody silty clay loam, terrace, 0 to 2 percent slopes	Moody	5
6603	Alcester silty clay loam, 2 to 6 percent slopes	Alcester	5
6628	Belfore silty clay loam, 0 to 2 percent slopes	Belfore	5
6637	Boelus loamy fine sand, 2 to 6 percent slopes	Boelus	4
6681	Crofton silt loam, 17 to 30 percent slopes, eroded	Crofton	5
6693	Crofton-Nora complex, 2 to 6 percent slopes, eroded	Crofton	5
6701	Thurman loamy fine sand, 1 to 3 percent slopes	Thurman	5
6703	Thurman loamy fine sand, 2 to 6 percent slopes	Thurman	5
6710	Thurman loamy fine sand, loamy substratum, 0 to 3 percent slopes	Thurman	5
6754	Nora silt loam, 2 to 6 percent slopes, eroded	Nora	5
6767	Nora silty clay loam, 6 to 11 percent slopes	Nora	5
6774	Nora-Crofton complex, 11 to 17 percent slopes, eroded	Nora	5
6778	Nora-Crofton complex, 6 to 11 percent slopes, eroded	Nora	5
6789	Crofton-Nora complex, 11 to 17 percent slopes, eroded	Crofton	5
6808	Moody silty clay loam, 0 to 2 percent slopes	Moody	5
6811	Moody silty clay loam, 2 to 6 percent slopes	Moody	5
6812	Moody silty clay loam, 2 to 6 percent slopes, eroded	Moody	5
6814	Moody silty clay loam, 6 to 11 percent slopes, eroded	Moody	5
6824	Moody-Thurman complex, 2 to 6 percent slopes, eroded	Moody	5
6825	Moody-Thurman complex, 6 to 11 percent slopes, eroded	Moody	5
6860	Crofton silt loam, 8 to 17 percent slopes, eroded	Crofton	5
7099	Zook silty clay loam, 0 to 2 percent slopes, occasionally flooded	Zook	5
8403	Alda loam, occasionally flooded	Alda	3

**Soil Loss Tolerance Values (T-Factors) For Platte County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
8420	Boel loamy fine sand, occasionally flooded	Boel	5
8425	Boel-Inavale complex, channeled, frequently flooded	Boel	2
8470	Gibbon silt loam, occasionally flooded	Gibbon	5
8476	Gibbon-Gayville silty clay loams, occasionally flooded	Gibbon	5
8490	Gothenburg fine sandy loam, frequently flooded	Gothenburg	5
8495	Gothenburg soils, frequently flooded	Gothenburg	5
8520	Merrick loam, rarely flooded	Merrick	5
8530	Novina fine sandy loam, rarely flooded	Novina	5
8563	Platte loam, occasionally flooded	Platte	2
8573	Platte-Inavale complex, channeled, frequently flooded	Platte	2
8840	Hall silt loam, 0 to 1 percent slopes	Hall	5
8925	Simeon loamy sand, 0 to 3 percent slopes	Simeon	5
9725	Ustorthents, level	Ustipsamments	5
9726	Ustorthents, steep	Ustorthents	5
9903	Fluvaquents, sandy, frequently flooded	Fluvaquents	5
9906	Fluvaquents, silty, frequently flooded	Fluvaquents	5
9967	Sanitary landfill	Sanitary landfill	5
9970	Aquolls	Aquolls	
9983	Gravel pit	Pits	
9986	Miscellaneous water, sewage lagoon	Miscellaneous water	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Rock County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
2350	Inavale-Barney complex, channeled, occasionally flooded	Inavale	5
3195	Jansen loamy sand, 0 to 2 percent slopes	Jansen	5
3225	Labu-Sansarc silty clays, 9 to 35 percent slopes	Labu	3
3252	Meadin sandy loam, 0 to 2 percent slopes	Meadin	4
3260	O'Neill fine sandy loam, 0 to 2 percent slopes	O'Neill	3
3267	O'Neill sandy loam, 0 to 2 percent slopes	O'Neill	5
3268	O'Neill sandy loam, 2 to 6 percent slopes	O'Neill	5
3274	O'Neill-Meadin sandy loams, 2 to 6 percent slopes	O'Neill	3
3275	O'Neill-Meadin sandy loams, 6 to 11 percent slopes	O'Neill	5
3341	Wewela fine sandy loam, 3 to 6 percent slopes	Wewela	3
4200	Almeria fine sandy loam, channeled, frequently flooded	Almeria	5
4204	Almeria loamy fine sand, occasionally flooded, 0 to 2 percent slopes	Almeria	5
4216	Blackloup loam, occasionally flooded	Blackloup	5
4243	Ord loam, rarely flooded	Ord	3
4364	lpage fine sand, terrace, 0 to 3 percent slopes	lpage	5
4365	lpage loamy fine sand, terrace, 0 to 3 percent slopes	lpage	5
4370	Libory loamy fine sand, 0 to 3 percent slopes	Libory	5
4487	Dunday loamy fine sand, 0 to 3 percent slopes, moist	Dunday	5
4533	Els loamy sand, 0 to 3 percent slopes	Els	5
4542	Els-lpage complex, 0 to 3 percent slopes	Els	5
4545	Els-lpage fine sands, 0 to 3 percent slopes	Els	5
4548	Els-lpage-Tryon loamy sands, 0 to 6 percent slopes	Els	5
4553	Elsmere loamy fine sand, 0 to 3 percent slopes	Elsmere	5
4562	Elsmere-Selia loamy fine sands, 0 to 3 percent slopes	Elsmere	5
4641	lpage fine sand, 0 to 3 percent slopes	lpage	5
4650	lpage loamy fine sand, 0 to 3 percent slopes	lpage	5
4662	Loup fine sandy loam, 0 to 1 percent slopes	Loup	5
4669	Loup fine sandy loam, frequently ponded	Loup	5
4683	Marlake fine sandy loam, frequently ponded	Marlake	5
4687	Marlake loamy fine sand, frequently ponded	Marlake	5
4706	McKelvie-Longpine-Ronson complex, 17 to 70 percent slopes	McKelvie	5
4721	Pivot loamy sand, 0 to 3 percent slopes	Pivot	5
4723	Pivot-Valentine complex, 0 to 9 percent slopes	Pivot	5
4730	Sandose loamy fine sand, 0 to 3 percent slopes	Sandose	5
4746	Tryon loamy fine sand, 0 to 3 percent slopes	Tryon	5
4751	Tryon loamy fine sand, frequently ponded, 0 to 3 percent slopes	Tryon	5
4756	Tryon-Els complex, 0 to 3 percent slopes	Tryon	5
4758	Tryon-lpage complex, 0 to 3 percent slopes	Tryon	5
4781	Valentine fine sand, 0 to 3 percent slopes	Valentine	5
4782	Valentine fine sand, 0 to 3 percent slopes, moist	Valentine	5
4791	Valentine fine sand, 3 to 9 percent slopes	Valentine	5
4792	Valentine fine sand, 3 to 9 percent slopes, moist	Valentine	5
4806	Valentine fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4807	Valentine fine sand, rolling	Valentine	5
4809	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes, moist	Valentine	5
4813	Valentine loamy fine sand, 0 to 3 percent slopes, moist	Valentine	5
4814	Valentine loamy fine sand, 0 to 3 percent slopes	Valentine	5
4818	Valentine loamy fine sand, 3 to 9 percent slopes	Valentine	5
4820	Valentine loamy fine sand, 3 to 9 percent slopes, moist	Valentine	5
4852	Valentine-Boelus fine sands, 0 to 9 percent slopes	Valentine	5
4858	Valentine-Els complex, moist, 0 to 9 percent slopes	Valentine	5
4861	Valentine-Els complex, 0 to 9 percent slopes	Valentine	5
4868	Valentine-Pivot complex, 0 to 9 percent slopes	Valentine	5
4880	Valentine-Simeon complex, 9 to 40 percent slopes, eroded	Valentine	5
5286	Vetal loam, 1 to 3 percent slopes	Vetal	5
6319	Barney-Boel complex, channeled	Barney	5
6640	Boelus loamy sand, 0 to 3 percent slopes	Boelus	5
6662	Brunswick-Longpine fine sandy loams, 11 to 40 percent slopes	Brunswick	3
6664	Brunswick-Longpine loamy sands, 3 to 11 percent slopes	Brunswick	3
8420	Boel loamy fine sand, occasionally flooded	Boel	5



**Soil Loss Tolerance Values (T-Factors) For Rock County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
8925	Simeon loamy sand, 0 to 3 percent slopes	Simeon	5
8928	Simeon loamy sand, 3 to 11 percent slopes	Simeon	5
8936	Simeon-Meadin complex, 0 to 9 percent slopes	Simeon	5
8947	Simeon-Valentine sands, 11 to 60 percent slopes, eroded	Simeon	5
9967	Sanitary landfill	Sanitary landfill	
9983	Gravel pit	Pits	
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Sherman County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
2100	Boel fine sandy loam, occasionally flooded	Boel	2
2539	Coly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2555	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	Coly	5
2558	Coly-Uly silt loams, 6 to 11 percent slopes, eroded	Coly	5
2596	Hersh fine sandy loam, 3 to 6 percent slopes	Hersh	5
2610	Hersh-Valentine complex, 11 to 24 percent slopes	Hersh	5
2666	Holdrege silt loam, 0 to 1 percent slopes, cool	Holdrege	5
2668	Holdrege silt loam, 1 to 3 percent slopes	Holdrege	5
2670	Holdrege silt loam, 3 to 7 percent slopes	Holdrege	5
2672	Holdrege silty clay loam, 3 to 7 percent slopes, eroded	Holdrege	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2823	Uly silt loam, 11 to 17 percent slopes, eroded	Uly	5
2831	Uly-Coly silt loams, 17 to 30 percent slopes, eroded	Uly	5
2844	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	Uly	5
3310	Ronson fine sandy loam, 0 to 2 percent slopes	Ronson	3
3545	Hobbs silt loam, channeled, frequently flooded	Hobbs	5
3562	Hobbs silt loam, occasionally flooded, cool	Hobbs	5
3912	Scott silty clay loam, frequently ponded	Scott	5
4213	Almeria loam, occasionally flooded	Almeria	5
4225	Bolent loamy sand, occasionally flooded	Bolent	5
4258	Almeria soils, occasionally flooded	Almeria	5
4266	Loup loam, occasionally flooded	Loup	5
4370	Libory loamy fine sand, 0 to 3 percent slopes	Libory	5
4646	lpage loamy fine sand, 0 to 3 percent slopes	lpage	5
4662	Loup fine sandy loam, 0 to 1 percent slopes	Loup	5
4673	Loup loam, frequently ponded	Loup	2
4807	Valentine fine sand, rolling	Valentine	5
4818	Valentine loamy fine sand, 3 to 9 percent slopes	Valentine	5
4855	Valentine-Bolent complex, 0 to 6 percent slopes	Valentine	5
6313	Barney loam, channeled, frequently flooded	Barney	5
6636	Boelus loamy fine sand, 0 to 3 percent slopes	Boelus	5
6703	Thurman loamy fine sand, 2 to 6 percent slopes	Thurman	5
8469	Gibbon silt loam, rarely flooded	Gibbon	5
8478	Gibbon-Saltine silt loams, rarely flooded	Gibbon	5
8581	Wann fine sandy loam, rarely flooded	Wann	5
8815	Cozad silt loam, 0 to 1 percent slopes	Cozad	5
8816	Cozad silt loam, 1 to 3 percent slopes	Cozad	5
8840	Hall silt loam, 0 to 1 percent slopes	Hall	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8872	Hord silt loam, 3 to 6 percent slopes	Hord	5
9001	Anselmo fine sandy loam, 0 to 1 percent slopes	Anselmo	5
9726	Ustorthents, steep	Ustorthents	5
9903	Fluvaquents, sandy, frequently flooded	Fluvaquents	5
9967	Sanitary landfill	Sanitary landfill	
9971	Arents, earthen dam	Arents	
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Valley County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
2100	Boel fine sandy loam, occasionally flooded	Boel	2
2539	Coly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2540	Coly-Hobbs silt loams, 3 to 60 percent slopes, moist	Coly	5
2545	Coly-Hobbs silt loams, 3 to 17 percent slopes, eroded	Coly	5
2555	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	Coly	5
2595	Hersh fine sandy loam, 0 to 3 percent slopes	Hersh	5
2596	Hersh fine sandy loam, 3 to 6 percent slopes	Hersh	5
2597	Hersh fine sandy loam, 6 to 11 percent slopes	Hersh	5
2598	Hersh fine sandy loam, 11 to 17 percent slopes	Hersh	5
2666	Holdrege silt loam, 0 to 1 percent slopes, cool	Holdrege	5
2668	Holdrege silt loam, 1 to 3 percent slopes	Holdrege	5
2670	Holdrege silt loam, 3 to 7 percent slopes	Holdrege	5
2671	Holdrege silt loam, 3 to 7 percent slopes, eroded	Holdrege	5
2672	Holdrege silty clay loam, 3 to 7 percent slopes, eroded	Holdrege	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2822	Uly silt loam, 11 to 17 percent slopes, eroded, moist	Uly	5
2823	Uly silt loam, 11 to 17 percent slopes, eroded	Uly	5
2831	Uly-Coly silt loams, 17 to 30 percent slopes, eroded	Uly	5
2833	Uly-Coly silt loams, 17 to 30 percent slopes, eroded, moist	Uly	5
2844	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	Uly	5
2845	Uly-Coly silt loams, 11 to 17 percent slopes, eroded	Uly	5
3545	Hobbs silt loam, channeled, frequently flooded	Hobbs	5
3562	Hobbs silt loam, occasionally flooded, cool	Hobbs	5
3726	Detroit silt loam, 0 to 1 percent slopes	Detroit	5
3820	Butler silt loam, 0 to 1 percent slopes	Butler	3
3910	Scott silt loam, frequently ponded	Scott	3
3946	Fillmore variant silt loam, frequently ponded	Fillmore variant	4
4266	Loup loam, occasionally flooded	Loup	5
4376	Loup fine sandy loam, rarely flooded	Loup	2
4646	Ipage loamy fine sand, 0 to 3 percent slopes	Ipage	5
4806	Valentine fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4807	Valentine fine sand, rolling	Valentine	5
4809	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes , moist	Valentine	5
4810	Valentine fine sand, rolling and hilly	Valentine	5
4813	Valentine loamy fine sand, 0 to 3 percent slopes, moist	Valentine	5
4814	Valentine loamy fine sand, 0 to 3 percent slopes	Valentine	5
4818	Valentine loamy fine sand, 3 to 9 percent slopes	Valentine	5
4820	Valentine loamy fine sand, 3 to 9 percent slopes, moist	Valentine	5
6313	Barney loam, channeled, frequently flooded	Barney	5
6352	Leshara silt loam, occasionally flooded	Leshara	5
6383	Saltine-Leshara silt loams, occasionally flooded	Saltine	5
6508	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	5
8420	Boel loamy fine sand, occasionally flooded	Boel	5
8469	Gibbon silt loam, rarely flooded	Gibbon	5
8815	Cozad silt loam, 0 to 1 percent slopes	Cozad	5
8816	Cozad silt loam, 1 to 3 percent slopes	Cozad	5
8817	Cozad silt loam, 3 to 6 percent slopes	Cozad	5
8869	Hord silt loam, 0 to 1 percent slopes	Hord	5
8870	Hord silt loam, 1 to 3 percent slopes	Hord	5
8925	Simeon loamy sand, 0 to 3 percent slopes	Simeon	5
8927	Simeon loamy sand, 3 to 30 percent slopes	Simeon	5
9037	Gates very fine sandy loam, 3 to 6 percent slopes, eroded	Gates	5
9038	Gates very fine sandy loam, 6 to 11 percent slopes, eroded	Gates	5
9940	Histosols, wet	Histosols	3
9971	Arents, earthen dam	Arents	
9983	Gravel pit	Pits	
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	

**Soil Loss Tolerance Values (T-Factors) For Wheeler County**

<b>Map Unit Symbol</b>	<b>Map Unit Name</b>	<b>Dominant Component</b>	<b>T-Factor</b>
2534	Coly silt loam, 17 to 30 percent slopes	Coly	5
2538	Coly silt loam, 6 to 11 percent slopes, eroded	Coly	5
2539	Coly-Hobbs silt loams, 3 to 60 percent slopes	Coly	5
2555	Coly-Uly silt loams, 11 to 17 percent slopes, eroded	Coly	5
2595	Hersh fine sandy loam, 0 to 3 percent slopes	Hersh	5
2817	Uly silt loam, 3 to 6 percent slopes	Uly	5
2821	Uly silt loam, 6 to 11 percent slopes, eroded	Uly	5
2831	Uly-Coly silt loams, 17 to 30 percent slopes, eroded	Uly	5
2844	Uly-Coly silt loams, 6 to 11 percent slopes, eroded	Uly	5
3105	Nimbro silt loam, 0 to 2 percent slopes	Nimbro	5
3529	Gibbon loam, occasionally flooded	Gibbon	5
3561	Hobbs silt loam, 0 to 2 percent slopes, occasionally flooded, cool	Hobbs	5
4205	Almeria loamy fine sand, channeled, frequently flooded, 0 to 2 percent slopes	Almeria	5
4210	Almeria-Calamus complex, channeled, frequently flooded	Almeria	5
4216	Blackloup loam, occasionally flooded	Blackloup	5
4243	Ord loam, rarely flooded	Ord	3
4257	Tryon loamy fine sand, 0 to 3 percent slopes	Tryon	5
4370	Libory loamy fine sand, 0 to 3 percent slopes	Libory	5
4376	Loup fine sandy loam, rarely flooded	Loup	2
4451	Valentine severely eroded-Valentine complex, moist 0 to 60 percent slopes	Valentine	4
4487	Dunday loamy fine sand, 0 to 3 percent slopes, moist	Dunday	5
4488	Dunday loamy fine sand, 3 to 6 percent slopes	Dunday	5
4492	Dunday loamy fine sand, 3 to 9 percent slopes slopes, moist	Dunday	5
4533	Els loamy sand, 0 to 3 percent slopes	Els	5
4545	Els-lpage fine sands, 0 to 3 percent slopes	Els	5
4553	Elsmere loamy fine sand, 0 to 3 percent slopes	Elsmere	5
4560	Elsmere-lpage loamy fine sands, 0 to 3 percent slopes	Elsmere	5
4561	Elsmere-Loup complex, 0 to 3 percent slopes	Elsmere	5
4562	Elsmere-Selia loamy fine sands, 0 to 3 percent slopes	Elsmere	5
4650	lpage fine sand, 0 to 3 percent slopes	lpage	5
4662	Loup fine sandy loam, 0 to 1 percent slopes	Loup	5
4669	Loup fine sandy loam, frequently ponded	Loup	2
4687	Marlake loamy fine sand, frequently ponded	Marlake	5
4746	Tryon loamy fine sand, rarely flooded	Tryon	5
4751	Tryon loamy fine sand, frequently ponded, 0 to 3 percent slopes	Tryon	5
4757	Almeria-Inavale complex, channeled, frequently flooded	Almeria	5
4782	Valentine fine sand, 0 to 3 percent slopes, moist	Valentine	5
4792	Valentine fine sand, 3 to 9 percent slopes, moist	Valentine	5
4806	Valentine fine sand, rolling, 9 to 24 percent slopes, moist	Valentine	5
4809	Valentine fine sand, rolling and hilly, 9 to 60 percent slopes , moist	Valentine	5
4813	Valentine loamy fine sand, 0 to 3 percent slopes, moist	Valentine	5
4820	Valentine loamy fine sand, 3 to 9 percent slopes, moist	Valentine	5
4857	Valentine-Dunday loamy fine sands, moist, 3-9 percent slopes	Valentine	5
4858	Valentine-Els complex, moist, 0 to 9 percent slopes	Valentine	5
6352	Leshara silt loam, occasionally flooded	Leshara	4
6636	Boelus loamy fine sand, 0 to 2 percent slopes	Boelus	4
6637	Boelus loamy fine sand, 2 to 6 percent slopes	Boelus	4
6791	Loretto loam, 0 to 2 percent slopes	Loretto	5
7230	Alcester silty clay loam, 0 to 2 percent slopes	Alcester	5
8841	Hall silt loam, 1 to 3 percent slopes	Hall	5
9001	Anselmo fine sandy loam, 0 to 1 percent slopes	Anselmo	5
9002	Anselmo fine sandy loam, 1 to 3 percent slopes	Anselmo	5
9004	Anselmo fine sandy loam, 3 to 6 percent slopes	Anselmo	5
9030	Gates silt loam, 6 to 11 percent slopes, eroded	Gates	5
9035	Gates very fine sandy loam, 1 to 3 percent slopes	Gates	5
9036	Gates very fine sandy loam, 3 to 6 percent slopes	Gates	5
9038	Gates very fine sandy loam, 6 to 11 percent slopes, eroded	Gates	5
9042	Gates-Hersh complex, 0 to 3 percent slopes	Gates	5
9903	Fluvaquents, sandy, frequently flooded	Fluvaquents, sandy	5
9986	Miscellaneous water, sewage lagoon	Water	
9999	Water	Water	

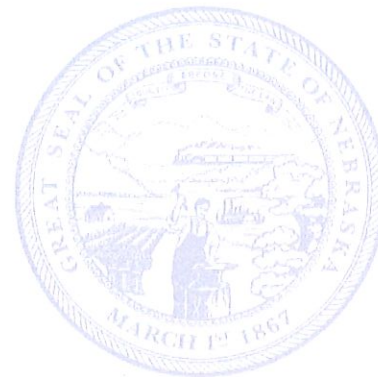
# NEBRASKA

Good Life. Great Water.

DEPT. OF NATURAL RESOURCES

February 27, 2017

Butch Koehlmoos, General Manager  
Lower Loup NRD  
P.O. Box 210  
2620 Airport Drive  
Ord, NE 68862



Pete Ricketts, Governor

Dear Butch:

Thank you for filing the Lower Loup NRD's amended Erosion and Sediment Control program. After review, the Nebraska Natural Resources Commission, on February 22<sup>nd</sup>, 2017, recommended approval.

My staff and I have also reviewed your district's program and I find it to be reasonable, attainable, and in conformance with the state Erosion and Sediment Control program. Therefore, in accordance with § 2-4605, I hereby approve the Lower Loup NRD's amended Erosion and Sediment Control program.

Sincerely,

A handwritten signature in blue ink that reads "Jeff".

Gordon W. Fassett, Director

Gordon W. "Jeff" Fassett, P.E., Director

**Department of Natural Resources**

301 Centennial Mall South  
P.O. Box 94676  
Lincoln, Nebraska 68509

OFFICE 402-471-2363  
FAX 402-471-2900

[dnr.nebraska.gov](http://dnr.nebraska.gov)