

Appendix H

Farmland Conversion Impact Rating Form

From: [Vanek, Wayne - NRCS, Lincoln, NE](#)
To: [Allison Sambol](#)
Subject: NDOR Project CN 51432; NH-385-3(118); Junction of L62!/US-385 to Alliance, Box Butte and Morrill Counties Nebraska
Date: Thursday, July 31, 2014 9:51:43 AM
Attachments: [CPA106 NRCS COrridor Form073014.pdf](#)



Subject: FPPA response for: NDOR Project CN 51432; NH-385-3(118); Junction of L62!/US-385 to Alliance, Box Butte and Morrill Counties Nebraska.

Date: 7/31/2014

ATTENTION: Allison Sambol – Environmental Specialist – Felsburg Holt & Ullevig

I have reviewed the project information for which you requested review of impacts to prime and important farmlands as per the Farmland Protection Policy Act (FPPA). This review only covers FPPA concerns and does not include any other environmental concerns such as wetlands or endangered species. For general conservation concerns or questions relating to wetlands under the jurisdiction of the Food Security Act, contact your county Natural Resources Conservation Service office.

The NRCS-CPA-106 (Farmland Conversion Impact Rating For Corridor Type Projects) forms which you submitted to our office shows that your Part VI section assessment point total is **52**. The NRCS-CPA-106 (Farmland Conversion Impact Rating For Corridor Type Projects) form is based on a point system that has 160 points set as the minimum number limit for "Total Points" that triggers additional in-depth site reviews. The NRCS evaluation portion Part V is on a scale of 0 to 100 points. That means that the Federal Agency Part VI "Total Site Assessment Points" must be at least 60 to even warrant the possibility of reaching the 160 "Total Points" level of concern. In the case with this project, the highest possible "Total Points" that could be reached would only be **152**. **Thus, NRCS has determined that your project was found to be cleared of FPPA significant concerns.** We encourage you to continue to be aware of prime and important farmlands in general and the role they play in current and future projects.

I am returning the **CPA106 form** for to you for your records.

Wayne Vanek
USDA-NRCS
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Lincoln, NE. 68508-3866
402.437.4125

**FARMLAND CONVERSION IMPACT RATING
FOR CORRIDOR TYPE PROJECTS**

PART I (To be completed by Federal Agency)	3. Date of Land Evaluation Request	4. Sheet 1 of _____
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1. Name of Project	5. Federal Agency Involved
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2. Type of Project	6. County and State
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PART II (To be completed by NRCS)	1. Date Request Received by NRCS	2. Person Completing Form
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3. Does the corridor contain prime, unique statewide or local important farmland? (If no, the FPPA does not apply - Do not complete additional parts of this form). YES <input type="checkbox"/> NO <input type="checkbox"/>	4. Acres Irrigated Average Farm Size
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5. Major Crop(s)	6. Farmable Land in Government Jurisdiction Acres: _____ %	7. Amount of Farmland As Defined in FPPA Acres: _____ %
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8. Name Of Land Evaluation System Used	9. Name of Local Site Assessment System	10. Date Land Evaluation Returned by NRCS
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PART III (To be completed by Federal Agency)	Alternative Corridor For Segment			
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	Corridor A	Corridor B	Corridor C	Corridor D
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A. Total Acres To Be Converted Directly				
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B. Total Acres To Be Converted Indirectly, Or To Receive Services				
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C. Total Acres In Corridor				
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PART IV (To be completed by NRCS) Land Evaluation Information				
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A. Total Acres Prime And Unique Farmland				
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B. Total Acres Statewide And Local Important Farmland				
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C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted				
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D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value				
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PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)				
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PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))	Maximum Points			
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1. Area in Nonurban Use	15			
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2. Perimeter in Nonurban Use	10			
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3. Percent Of Corridor Being Farmed	20			
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4. Protection Provided By State And Local Government	20			
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5. Size of Present Farm Unit Compared To Average	10			
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6. Creation Of Nonfarmable Farmland	25			
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7. Availability Of Farm Support Services	5			
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8. On-Farm Investments	20			
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9. Effects Of Conversion On Farm Support Services	25			
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10. Compatibility With Existing Agricultural Use	10			
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TOTAL CORRIDOR ASSESSMENT POINTS	160			
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PART VII (To be completed by Federal Agency)				
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Relative Value Of Farmland (From Part V)	100			
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Total Corridor Assessment (From Part VI above or a local site assessment)	160			
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TOTAL POINTS (Total of above 2 lines)	260			
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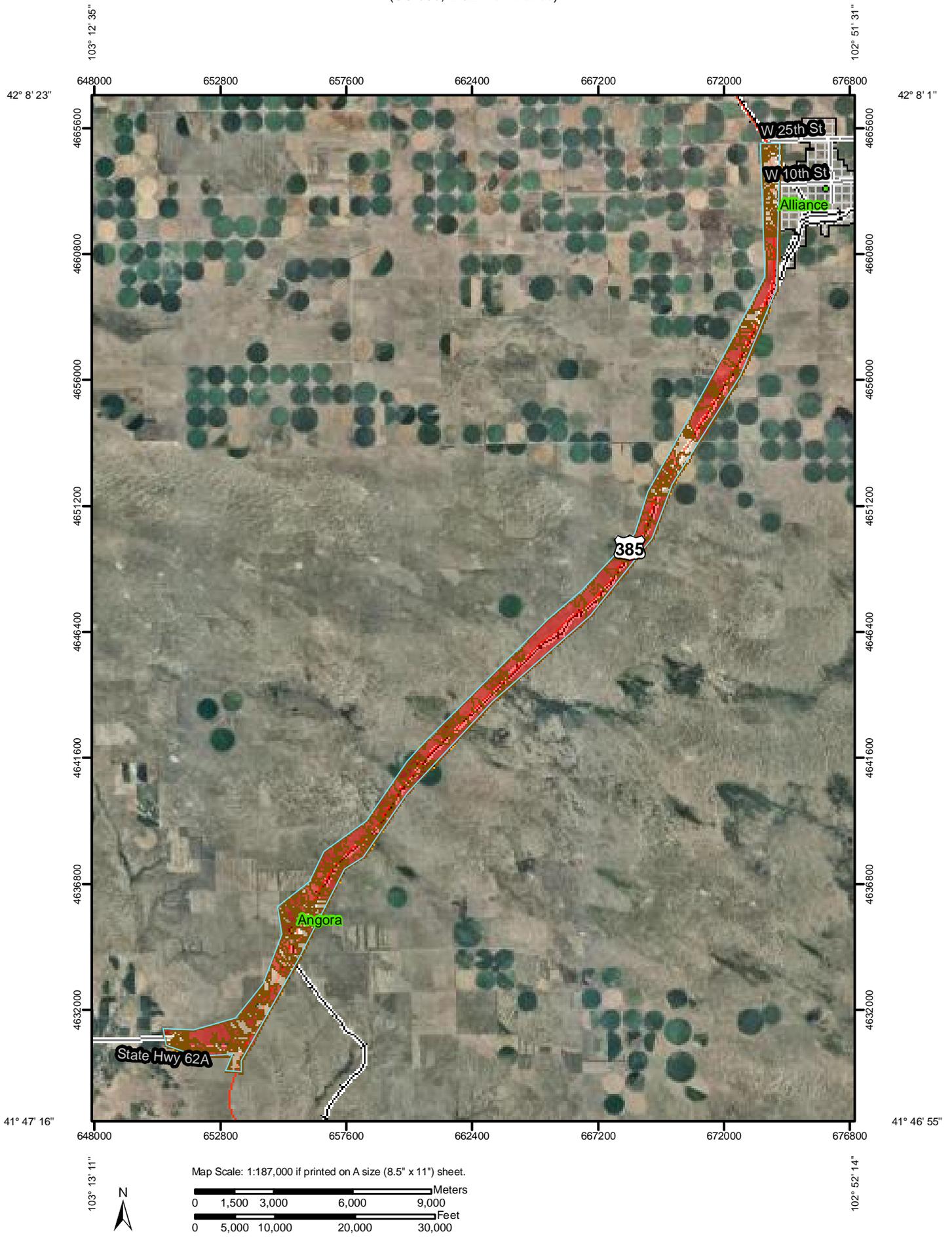
1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:	
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Signature of Person Completing this Part:	DATE
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NOTE: Complete a form for each segment with more than one Alternate Corridor

Farmland Classification—Box Butte County, Nebraska, and Morrill County, Nebraska
(US-385, L-62A to Alliance)



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Soil Ratings

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of local importance
-  Farmland of unique importance
-  Not rated or not available

Political Features

-  Urban Areas
-  Cities

Water Features

-  Oceans

Transportation

-  Rails
-  Interstate Highways

-  US Routes
-  Major Roads

MAP INFORMATION

Map Scale: 1:187,000 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 13N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Box Butte County, Nebraska
Survey Area Data: Version 9, Oct 29, 2009

Soil Survey Area: Morrill County, Nebraska
Survey Area Data: Version 9, Oct 30, 2009

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Date(s) aerial images were photographed: Data not available.

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Farmland Classification

Farmland Classification— Summary by Map Unit — Box Butte County, Nebraska				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
1545	Dailey loamy fine sand, 0 to 3 percent slopes	Not prime farmland	32.2	0.4%
1546	Dailey loamy fine sand, 3 to 9 percent slopes	Not prime farmland	30.1	0.3%
1547	Dailey loamy sand, 0 to 3 percent slopes	Not prime farmland	206.6	2.3%
1548	Dailey loamy sand, 3 to 9 percent slopes	Not prime farmland	83.7	0.9%
1585	Goshen loam, 0 to 1 percent slopes	Prime farmland if irrigated	23.4	0.3%
1617	Keith loam, 0 to 1 percent slopes	Prime farmland if irrigated	190.5	2.1%
1618	Keith loam, 1 to 3 percent slopes	Prime farmland if irrigated	67.0	0.7%
1621	Keith loam, 3 to 6 percent slopes	Prime farmland if irrigated	79.4	0.9%
1760	Richfield loam, 0 to 1 percent slopes	Prime farmland if irrigated	33.4	0.4%
1809	Satanta fine sandy loam, 1 to 3 percent slopes	Prime farmland if irrigated	50.6	0.6%
1813	Satanta fine sandy loam, 6 to 9 percent slopes	Not prime farmland	20.8	0.2%
1886	Valent fine sand, 3 to 9 percent slopes	Not prime farmland	232.2	2.6%
1887	Valent fine sand, 9 to 20 percent slopes	Not prime farmland	24.2	0.3%
1891	Valent loamy fine sand, 0 to 3 percent slopes	Not prime farmland	32.4	0.4%
1892	Valent loamy fine sand, 3 to 9 percent slopes	Not prime farmland	81.3	0.9%
4649	lpage loamy fine sand, alkali substratum, 0 to 3 percent slopes	Not prime farmland	114.2	1.3%
5281	Vetal fine sandy loam, 0 to 3 percent slopes	Prime farmland if irrigated	22.1	0.2%
5625	Duroc loam, occasionally flooded	Prime farmland if irrigated	19.3	0.2%
5644	Janise loam, drained, 0 to 3 percent slopes	Not prime farmland	411.5	4.6%
5645	Janise loamy fine sand, drained, overblown, 0 to 3 percent slopes	Not prime farmland	167.1	1.9%
5934	Creighton very fine sandy loam, 1 to 3 percent slopes	Prime farmland if irrigated	0.3	0.0%
5935	Creighton very fine sandy loam, 3 to 6 percent slopes	Prime farmland if irrigated	39.8	0.4%
5936	Creighton very fine sandy loam, 6 to 11 percent slopes	Not prime farmland	6.4	0.1%
5943	Duroc loam, 1 to 3 percent slopes	Prime farmland if irrigated	30.9	0.3%

Farmland Classification— Summary by Map Unit — Box Butte County, Nebraska				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
5965	Jayem fine sandy loam, 0 to 3 percent slopes	Prime farmland if irrigated	258.8	2.9%
5966	Jayem fine sandy loam, 3 to 6 percent slopes	Prime farmland if irrigated	21.0	0.2%
5970	Jayem loamy fine sand, 0 to 3 percent slopes	Not prime farmland	163.6	1.8%
5974	Jayem loamy sand, overblown, 0 to 3 percent slopes	Not prime farmland	4.7	0.1%
9970	Aquolls	Not prime farmland	2.0	0.0%
Subtotals for Soil Survey Area			2,449.6	27.2%
Totals for Area of Interest			9,016.4	100.0%

Farmland Classification— Summary by Map Unit — Morrill County, Nebraska				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
1363	Bridget very fine sandy loam, 3 to 6 percent slopes	Prime farmland if irrigated	7.9	0.1%
1364	Bridget very fine sandy loam, 6 to 9 percent slopes	Not prime farmland	20.2	0.2%
1506	Altvan-Dix complex, 3 to 9 percent slopes	Not prime farmland	45.5	0.5%
1545	Dailey loamy fine sand, 0 to 3 percent slopes	Not prime farmland	35.6	0.4%
1546	Dailey loamy fine sand, 3 to 9 percent slopes	Not prime farmland	15.4	0.2%
1705	Otero loamy very fine sand, 0 to 6 percent slopes	Not prime farmland	15.6	0.2%
1707	Otero loamy very fine sand, 9 to 20 percent slopes	Not prime farmland	41.5	0.5%
1709	Otero very fine sandy loam, 0 to 3 percent slopes	Prime farmland if irrigated	30.6	0.3%
1710	Otero very fine sandy loam, 3 to 6 percent slopes	Prime farmland if irrigated	32.0	0.4%
1711	Otero very fine sandy loam, 6 to 9 percent slopes	Not prime farmland	15.0	0.2%
1889	Valent fine sand, rolling	Not prime farmland	51.7	0.6%
1891	Valent loamy fine sand, 0 to 3 percent slopes	Not prime farmland	24.2	0.3%
1892	Valent loamy fine sand, 3 to 9 percent slopes	Not prime farmland	230.0	2.6%
4264	Hoffland fine sandy loam, occasionally flooded	Not prime farmland	34.4	0.4%
4485	Dunday loamy fine sand, 0 to 3 percent slopes	Not prime farmland	123.6	1.4%
4490	Dunday loamy fine sand, 3 to 9 percent slopes	Not prime farmland	154.5	1.7%
4521	Els fine sand, 0 to 3 percent slopes	Not prime farmland	292.7	3.2%

Farmland Classification— Summary by Map Unit — Morrill County, Nebraska				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
4636	Hoffland fine sandy loam, frequently ponded	Not prime farmland	13.2	0.1%
4683	Marlake fine sandy loam, frequently ponded	Not prime farmland	9.4	0.1%
4791	Valentine fine sand, 3 to 9 percent slopes	Not prime farmland	237.6	2.6%
4807	Valentine fine sand, rolling	Not prime farmland	2,214.0	24.6%
4810	Valentine fine sand, rolling and hilly	Not prime farmland	528.9	5.9%
4896	Wildhorse sand, 0 to 3 percent slopes	Not prime farmland	102.1	1.1%
5123	Busher loamy very fine sand, 1 to 6 percent slopes	Not prime farmland	72.6	0.8%
5130	Busher very fine sandy loam, 1 to 6 percent slopes	Prime farmland if irrigated	320.6	3.6%
5131	Busher very fine sandy loam, 6 to 9 percent slopes	Not prime farmland	66.3	0.7%
5144	Busher-Tassel loamy very fine sands, 9 to 20 percent slopes	Not prime farmland	59.9	0.7%
5145	Busher-Tassel loamy very fine sand, 3 to 9 percent slopes	Not prime farmland	222.7	2.5%
5281	Vetal fine sandy loam, 0 to 3 percent slopes	Prime farmland if irrigated	93.3	1.0%
5845	Mitchell very fine sandy loam, 3 to 6 percent slopes	Prime farmland if irrigated	7.9	0.1%
5850	Mitchell-Epping very fine sandy loams, 3 to 9 percent slopes	Not prime farmland	7.0	0.1%
5907	Alice-Dix complex, 6 to 20 percent slopes	Not prime farmland	38.2	0.4%
5910	Angora very fine sandy loam, 1 to 6 percent slopes	Prime farmland if irrigated	133.2	1.5%
5911	Angora very fine sandy loam, 6 to 20 percent slopes	Not prime farmland	55.4	0.6%
5942	Duroc loam, 0 to 1 percent slopes	Prime farmland if irrigated	37.7	0.4%
5943	Duroc loam, 1 to 3 percent slopes	Prime farmland if irrigated	41.3	0.5%
5965	Jayem fine sandy loam, 0 to 3 percent slopes	Prime farmland if irrigated	77.5	0.9%
5966	Jayem fine sandy loam, 3 to 6 percent slopes	Prime farmland if irrigated	253.6	2.8%
5967	Jayem fine sandy loam, 6 to 9 percent slopes	Not prime farmland	50.1	0.6%
5968	Jayem fine sandy loam, 9 to 20 percent slopes	Not prime farmland	13.2	0.1%
5970	Jayem loamy fine sand, 0 to 3 percent slopes	Not prime farmland	51.1	0.6%
5972	Jayem loamy fine sand, 3 to 6 percent slopes	Not prime farmland	75.5	0.8%
6025	Tassel loamy very fine sand, 20 to 50 percent slopes	Not prime farmland	301.2	3.3%

Farmland Classification— Summary by Map Unit — Morrill County, Nebraska				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6033	Tassel-Busher loamy very fine sands, 3 to 30 percent slopes	Not prime farmland	307.3	3.4%
6053	Rock outcrop-Tassel complex, 20 to 60 percent slopes	Not prime farmland	2.4	0.0%
9983	Gravel pit	Not prime farmland	3.3	0.0%
Subtotals for Soil Survey Area			6,566.8	72.8%
Totals for Area of Interest			9,016.4	100.0%

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The majority of soil attributes are associated with a component of a map unit, and such an attribute has to be aggregated to the map unit level before a thematic map can be rendered. Map units, however, also have their own attributes. An attribute of a map unit does not have to be aggregated in order to render a corresponding thematic map. Therefore, the "aggregation method" for any attribute of a map unit is referred to as "No Aggregation Necessary".

Tie-break Rule: Lower

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.