

Section 2 Example: Land Resources Inventory

Field ID: Pivot Field Size: 128 useable acres

Location: _____ Pierce
 ¼ Section Township Range E or W County

Other Manure Sources: Is livestock manure from another facility applied to this site? YES NO
 If yes, attach manure production information from the other facility.

Ownership: Own Rent Neighbor Is there a site agreement? YES NO

Cropping Practices: Planned rotation: Corn Soybean
 Five year average yields: 170 60
 Source of yield values: FSA verified yields or other _____

Environmental Considerations:

Is there a USDA approved conservation plan for this site? YES NO

Current Conservation Practices: Field is no-tilled planted following both corn and soybeans. Corn stalks are chopped in late winter.

Soil Type:	Series & texture	Slope (avg.)	Soil Phosphorus Levels ¹			
Primary Soil:	<u>Hord Hobbs Silt loam</u>	<u>0-7</u> %	Management Areas		Soil Test	
Secondary Soil ¹ :	<u>Crofton-Nora Silt Loam</u>	<u>7 to 11</u> %	Name/ID	Acres	P (ppm)	Method*
Irrigated ¹	<input type="checkbox"/> No <input type="checkbox"/> Flood <input checked="" type="checkbox"/> Sprinkler	<u>128</u> Acres	NE	35	27	Bray
Depth to groundwater: ¹	<u>80</u> feet		SE	35	89	Bray
Distance to Nearest Body of Water:	_____ feet		SW	35	60	Bray
Does field contain:	YES	NO	NW	35	21	Bray
Highly Erodible Land?	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
Perennial Stream?	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
Intermittent Stream?	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Concentrated Flow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Flooding/Overflow Potential?	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
Designated Wetlands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
Acres of wetlands:	<u>0</u> acres.					

Sample Depth 8 inches Taken 11/20/2005

* B =Bray I, weak acid
 M = Mehlich III
 O = Olsen (sodium bicarbonate).
 Write in test name if not one of these.

¹ Not required for NDEQ permit application.⁹⁰

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Topographic map with 20 foot elevations (top map) and aerial map with soil types (bottom map) for available cropland managed by Beef Case Study Farm
[USGS Topographical Maps](https://www.usgs.gov/locations/national-topographic-vector-maps)

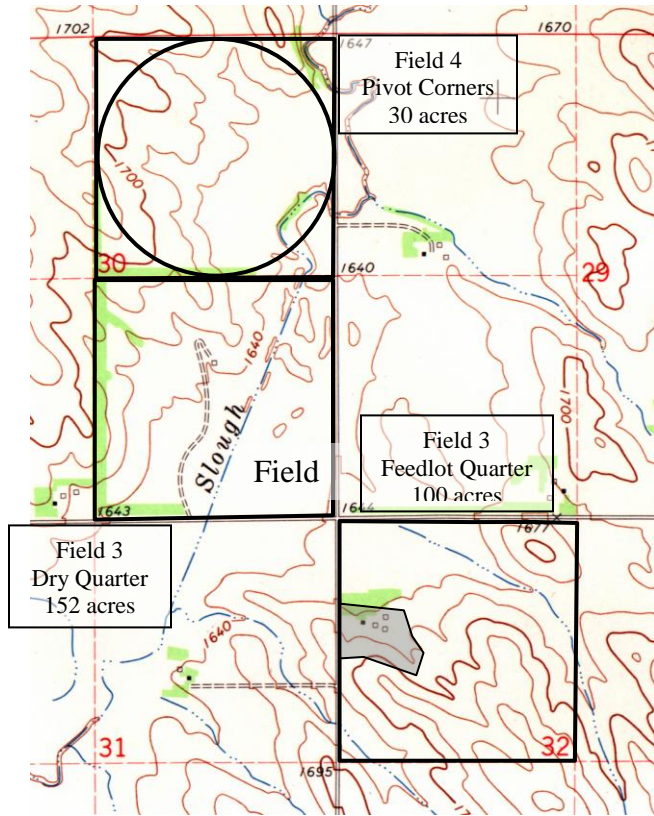
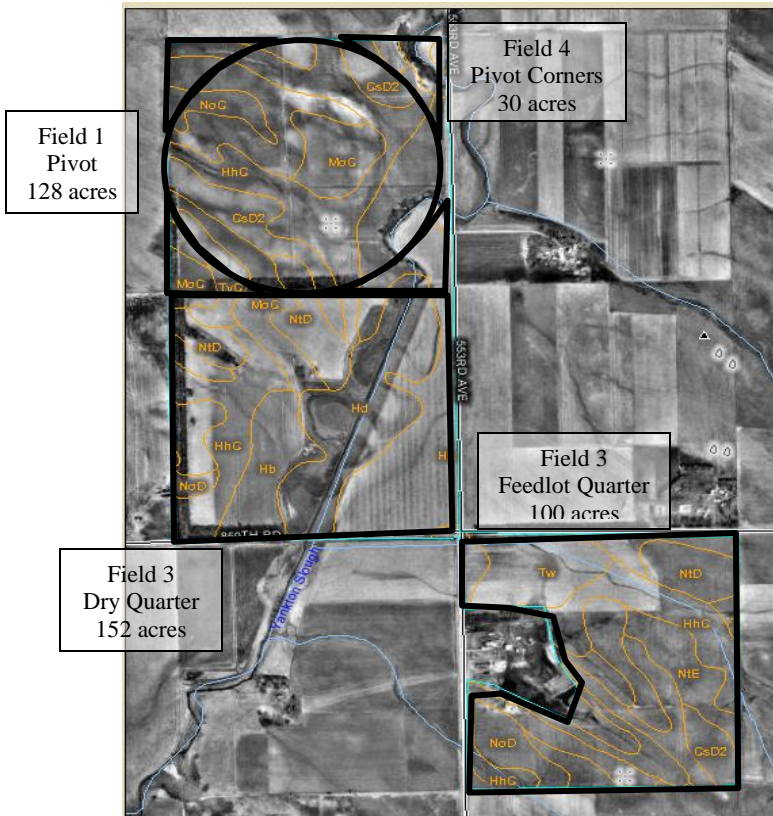


Table listing soil types, slope, acres and percentage in each soil type:
[USDA Web Soil Survey](https://websoilsurvey.sc.egov.usda.gov/)



Pierce County, Nebraska (NE139)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BcC	Bazile soils, 1 to 7 percent slopes	18.4	4.0%
CsC2	Crofton-Nora silt loams, 1 to 7 percent slopes, eroded	2.0	0.4%
CsD2	Crofton-Nora silt loams, 7 to 11 percent slopes, eroded	79.6	17.2%
CsE2	Crofton-Nora silt loams, 11 to 17 percent slopes, eroded	0.7	0.2%
Hb	Hobbs silt loam	83.6	18.1%
Hd	Hobbs silt loam, occasionally flooded	42.2	9.1%
HhC	Hord-Hobbs silt loams, 0 to 7 percent slopes	91.4	19.8%
MoC	Moody silty clay loam, 1 to 7 percent slopes	41.8	9.0%
NoC	Nora silt loam, 1 to 7 percent slopes	7.1	1.5%
NoD	Nora silt loam, 7 to 11 percent slopes	22.9	5.0%
NtD	Nora-Thurman complex, 7 to 11 percent slopes	27.4	5.9%
NtE	Nora-Thurman complex, 11 to 17 percent slopes	12.2	2.6%
Sy	Silty alluvial land	4.4	0.9%
TnD	Thurman fine sandy loam, 7 to 11 percent slopes	0.8	0.2%
TvC	Thurman and Valentine soils, 1 to 7 percent slopes	7.6	1.6%
Tw	Trent silty clay loam	20.2	4.4%
W	Water	0.1	0.0%
Totals for Area of Interest (AOI)		462.3	100.0%