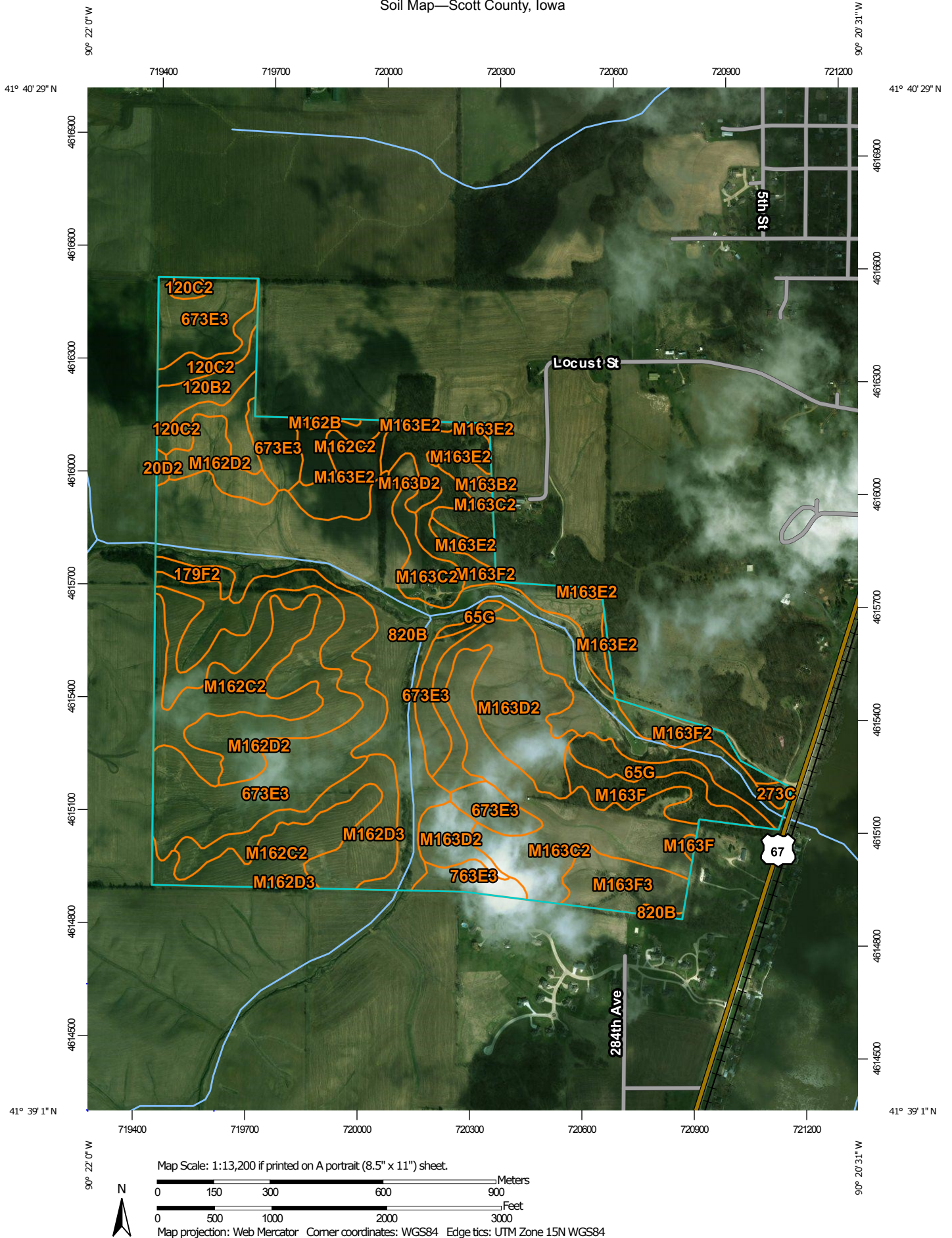


Soil Map—Scott County, Iowa



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

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

Soil Survey Area: Scott County, Iowa

Survey Area Data: Version 25, Sep 16, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 3, 2011—Jul 20, 2016

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.

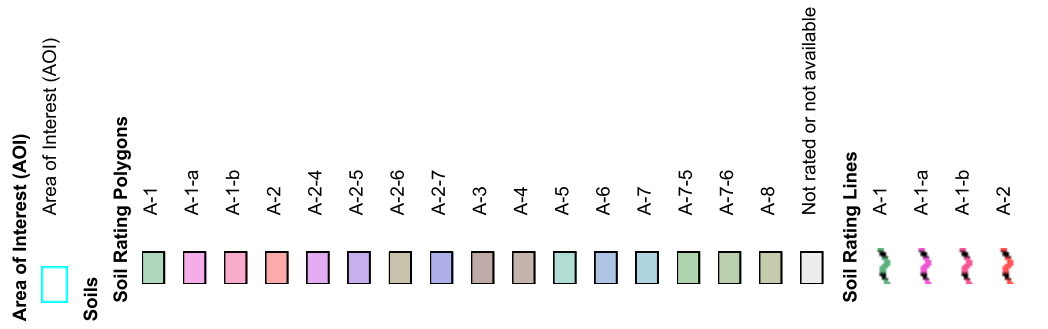
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
20D2	Killduff silty clay loam, 9 to 14 percent slopes, eroded	0.6	0.2%
65G	Lindley loam, 25 to 40 percent slopes	8.2	2.0%
120B2	Tama silty clay loam, 2 to 5 percent slopes, eroded	5.5	1.3%
120C2	Tama silty clay loam, 5 to 9 percent slopes, eroded	11.7	2.9%
179F2	Gara loam, 18 to 25 percent slopes, moderately eroded	2.5	0.6%
273C	Olmitz loam, 3 to 9 percent slopes	1.0	0.2%
673E3	Timula silt loam, 14 to 18 percent slopes, severely eroded	69.3	16.9%
763E3	Exette silt loam, 14 to 18 percent slopes, severely eroded	4.5	1.1%
820B	Dockery silt loam, 2 to 5 percent slopes	81.1	19.8%
M162B	Downs silt loam, till plain, 2 to 5 percent slopes	0.5	0.1%
M162C2	Downs silt loam, till plain, 5 to 9 percent slopes, eroded	38.4	9.4%
M162D2	Downs silt loam, till plain, 9 to 14 percent slopes, eroded	35.9	8.7%
M162D3	Downs silty clay loam, till plain, 9 to 14 percent slopes, severely eroded	18.0	4.4%
M163B2	Fayette silt loam, till plain, 2 to 5 percent slopes, eroded	0.2	0.1%
M163C2	Fayette silt loam, till plain, 5 to 9 percent slopes, eroded	44.3	10.8%
M163D2	Fayette silt loam, till plain, 9 to 14 percent slopes, eroded	33.2	8.1%
M163E2	Fayette silt loam, till plain, 14 to 18 percent slopes, eroded	13.8	3.4%
M163F	Fayette silt loam, till plain, 18 to 25 percent slopes	8.9	2.2%
M163F2	Fayette silt loam, till plain, 18 to 25 percent slopes, eroded	22.1	5.4%
M163F3	Fayette silty clay loam, till plain, 18 to 25 percent slopes, severely eroded	10.2	2.5%
Totals for Area of Interest		410.1	100.0%

AASHTO Group Classification (Surface)—Scott County, Iowa



MAP LEGEND



MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

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

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

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

Soil Survey Area: Scott County, Iowa
 Survey Area Data: Version 25, Sep 16, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 3, 2011—Jul 20, 2016

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.



AASHTO Group Classification (Surface)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
20D2	Killduff silty clay loam, 9 to 14 percent slopes, eroded	A-7-6	1.0	0.2%
65G	Lindley loam, 25 to 40 percent slopes	A-6	8.3	2.1%
120B2	Tama silty clay loam, 2 to 5 percent slopes, eroded	A-7-6	6.1	1.5%
120C2	Tama silty clay loam, 5 to 9 percent slopes, eroded	A-7-6	12.8	3.3%
179F2	Gara loam, 18 to 25 percent slopes, moderately eroded	A-6	2.6	0.7%
273C	Olmitz loam, 3 to 9 percent slopes	A-6	0.2	0.1%
673E3	Timula silt loam, 14 to 18 percent slopes, severely eroded	A-4	70.5	17.9%
763E3	Exette silt loam, 14 to 18 percent slopes, severely eroded	A-4	4.3	1.1%
820B	Dockery silt loam, 2 to 5 percent slopes	A-4	80.5	20.5%
M162B	Downs silt loam, till plain, 2 to 5 percent slopes	A-6	0.4	0.1%
M162C2	Downs silt loam, till plain, 5 to 9 percent slopes, eroded	A-6	38.2	9.7%
M162D2	Downs silt loam, till plain, 9 to 14 percent slopes, eroded	A-6	35.9	9.1%
M162D3	Downs silty clay loam, till plain, 9 to 14 percent slopes, severely eroded	A-7-6	17.9	4.6%
M163C2	Fayette silt loam, till plain, 5 to 9 percent slopes, eroded	A-6	37.6	9.6%
M163D2	Fayette silt loam, till plain, 9 to 14 percent slopes, eroded	A-6	33.2	8.5%
M163E2	Fayette silt loam, till plain, 14 to 18 percent slopes, eroded	A-6	11.2	2.9%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
M163F	Fayette silt loam, till plain, 18 to 25 percent slopes	A-6	9.9	2.5%
M163F2	Fayette silt loam, till plain, 18 to 25 percent slopes, eroded	A-6	18.8	4.8%
M163F3	Fayette silty clay loam, till plain, 18 to 25 percent slopes, severely eroded	A-7-6	4.0	1.0%
Totals for Area of Interest			393.4	100.0%

Description

AASHTO group classification is a system that classifies soils specifically for geotechnical engineering purposes that are related to highway and airfield construction. It is based on particle-size distribution and Atterberg limits, such as liquid limit and plasticity index. This classification system is covered in AASHTO Standard No. M 145-82. The classification is based on that portion of the soil that is smaller than 3 inches in diameter.

The AASHTO classification system has two general classifications: (i) granular materials having 35 percent or less, by weight, particles smaller than 0.074 mm in diameter and (ii) silt-clay materials having more than 35 percent, by weight, particles smaller than 0.074 mm in diameter. These two divisions are further subdivided into seven main group classifications, plus eight subgroups, for a total of fifteen for mineral soils. Another class for organic soils is used.

For each soil horizon in the database one or more AASHTO Group Classifications may be listed. One is marked as the representative or most commonly occurring. The representative classification is shown here for the surface layer of the soil.

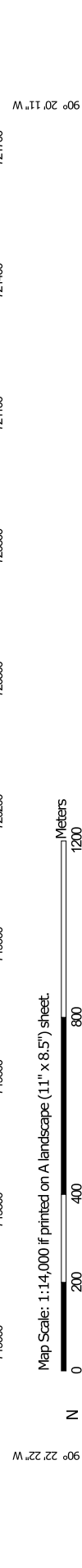
Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Layer Options (Horizon Aggregation Method): Surface Layer (Not applicable)



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons

	Excessively drained
	Somewhat excessively drained
	Well drained
	Moderately well drained
	Somewhat poorly drained
	Poorly drained
	Very poorly drained
	Subaqueous
	Not rated or not available

Soil Rating Lines

	Excessively drained
	Somewhat excessively drained
	Well drained
	Moderately well drained
	Somewhat poorly drained
	Poorly drained
	Very poorly drained
	Subaqueous
	Not rated or not available

Soil Rating Points

	Excessively drained
	Somewhat excessively drained
	Well drained
	Moderately well drained
	Somewhat poorly drained
	Poorly drained
	Very poorly drained
	Subaqueous
	Not rated or not available

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL: <http://websoilsurvey.sc.egov.usda.gov>

Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Scott County, Iowa

Survey Area Data: Version 25, Sep 16, 2017

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Date(s) aerial images were photographed: Oct 3, 2011—Jul 20, 2016

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Drainage Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
20D2	Killduff silty clay loam, 9 to 14 percent slopes, eroded	Moderately well drained	1.0	0.2%
65G	Lindley loam, 25 to 40 percent slopes	Well drained	8.3	2.1%
120B2	Tama silty clay loam, 2 to 5 percent slopes, eroded	Well drained	6.1	1.5%
120C2	Tama silty clay loam, 5 to 9 percent slopes, eroded	Well drained	12.8	3.3%
179F2	Gara loam, 18 to 25 percent slopes, moderately eroded	Well drained	2.6	0.7%
273C	Olmitz loam, 3 to 9 percent slopes	Moderately well drained	0.2	0.1%
673E3	Timula silt loam, 14 to 18 percent slopes, severely eroded	Well drained	70.5	17.9%
763E3	Exette silt loam, 14 to 18 percent slopes, severely eroded	Well drained	4.3	1.1%
820B	Dockery silt loam, 2 to 5 percent slopes	Somewhat poorly drained	80.5	20.5%
M162B	Downs silt loam, till plain, 2 to 5 percent slopes	Well drained	0.4	0.1%
M162C2	Downs silt loam, till plain, 5 to 9 percent slopes, eroded	Well drained	38.2	9.7%
M162D2	Downs silt loam, till plain, 9 to 14 percent slopes, eroded	Well drained	35.9	9.1%
M162D3	Downs silty clay loam, till plain, 9 to 14 percent slopes, severely eroded	Well drained	17.9	4.6%
M163C2	Fayette silt loam, till plain, 5 to 9 percent slopes, eroded	Well drained	37.6	9.6%
M163D2	Fayette silt loam, till plain, 9 to 14 percent slopes, eroded	Well drained	33.2	8.5%
M163E2	Fayette silt loam, till plain, 14 to 18 percent slopes, eroded	Well drained	11.2	2.9%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
M163F	Fayette silt loam, till plain, 18 to 25 percent slopes	Well drained	9.9	2.5%
M163F2	Fayette silt loam, till plain, 18 to 25 percent slopes, eroded	Well drained	18.8	4.8%
M163F3	Fayette silty clay loam, till plain, 18 to 25 percent slopes, severely eroded	Well drained	4.0	1.0%
Totals for Area of Interest			393.4	100.0%

Description

"Drainage class (natural)" refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized-excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained. These classes are defined in the "Soil Survey Manual."

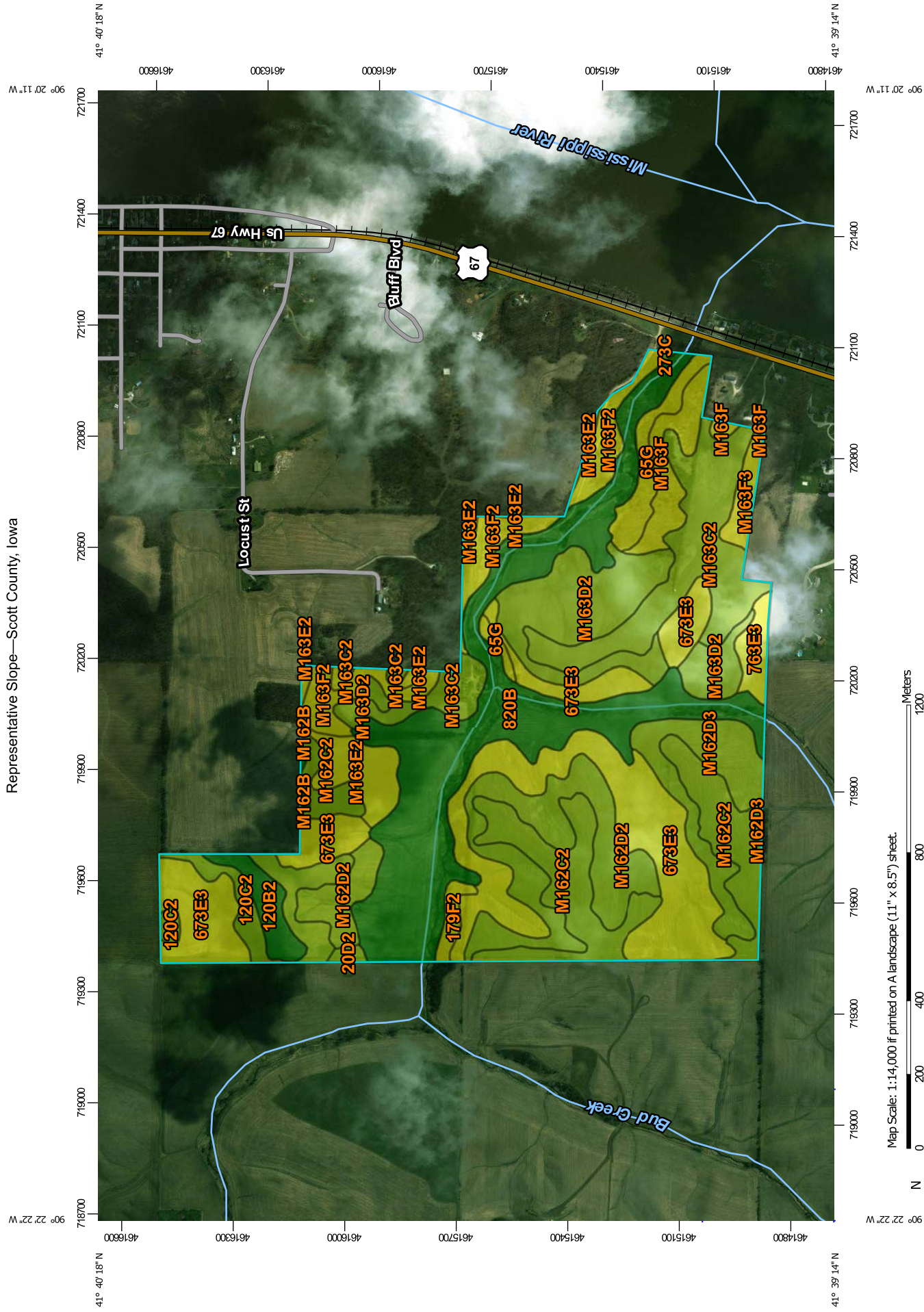
Rating Options

Aggregation Method: Dominant Condition

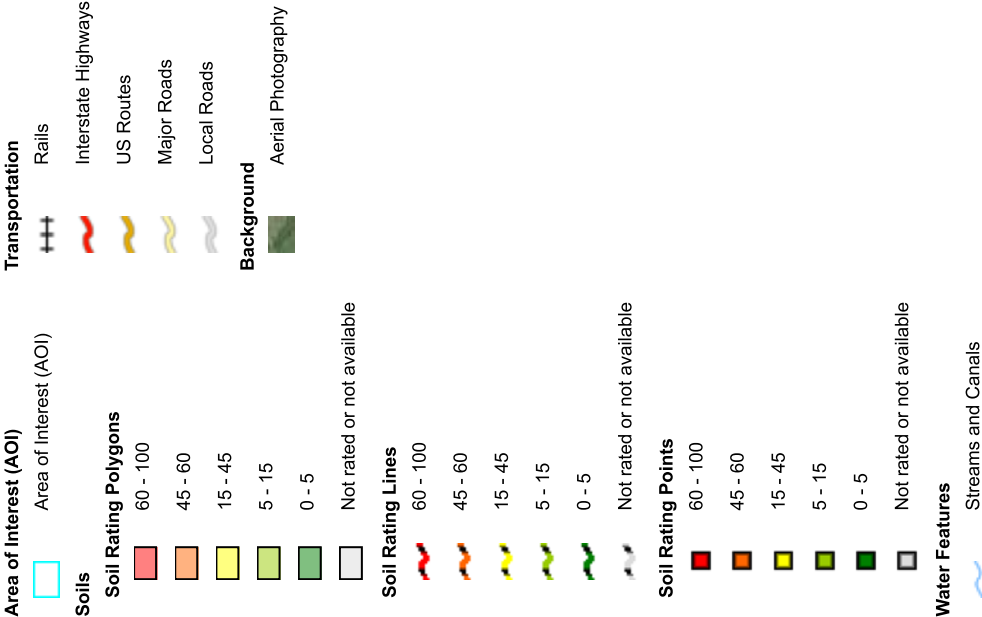
Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Representative Slope—Scott County, Iowa



MAP LEGEND



MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Representative Slope

Map unit symbol	Map unit name	Rating (percent)	Acres in AOI	Percent of AOI
20D2	Killduff silty clay loam, 9 to 14 percent slopes, eroded	12.0	1.0	0.2%
65G	Lindley loam, 25 to 40 percent slopes	33.0	8.3	2.1%
120B2	Tama silty clay loam, 2 to 5 percent slopes, eroded	4.0	6.1	1.5%
120C2	Tama silty clay loam, 5 to 9 percent slopes, eroded	7.0	12.8	3.3%
179F2	Gara loam, 18 to 25 percent slopes, moderately eroded	22.0	2.6	0.7%
273C	Olmitz loam, 3 to 9 percent slopes	6.0	0.2	0.1%
673E3	Timula silt loam, 14 to 18 percent slopes, severely eroded	16.0	70.5	17.9%
763E3	Exette silt loam, 14 to 18 percent slopes, severely eroded	16.0	4.3	1.1%
820B	Dockery silt loam, 2 to 5 percent slopes	4.0	80.5	20.5%
M162B	Downs silt loam, till plain, 2 to 5 percent slopes	4.0	0.4	0.1%
M162C2	Downs silt loam, till plain, 5 to 9 percent slopes, eroded	7.0	38.2	9.7%
M162D2	Downs silt loam, till plain, 9 to 14 percent slopes, eroded	12.0	35.9	9.1%
M162D3	Downs silty clay loam, till plain, 9 to 14 percent slopes, severely eroded	12.0	17.9	4.6%
M163C2	Fayette silt loam, till plain, 5 to 9 percent slopes, eroded	7.0	37.6	9.6%
M163D2	Fayette silt loam, till plain, 9 to 14 percent slopes, eroded	12.0	33.2	8.5%
M163E2	Fayette silt loam, till plain, 14 to 18 percent slopes, eroded	16.0	11.2	2.9%

Map unit symbol	Map unit name	Rating (percent)	Acres in AOI	Percent of AOI
M163F	Fayette silt loam, till plain, 18 to 25 percent slopes	22.0	9.9	2.5%
M163F2	Fayette silt loam, till plain, 18 to 25 percent slopes, eroded	22.0	18.8	4.8%
M163F3	Fayette silty clay loam, till plain, 18 to 25 percent slopes, severely eroded	22.0	4.0	1.0%
Totals for Area of Interest			393.4	100.0%

Description

Slope gradient is the difference in elevation between two points, expressed as a percentage of the distance between those points.

The slope gradient is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: percent

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: No