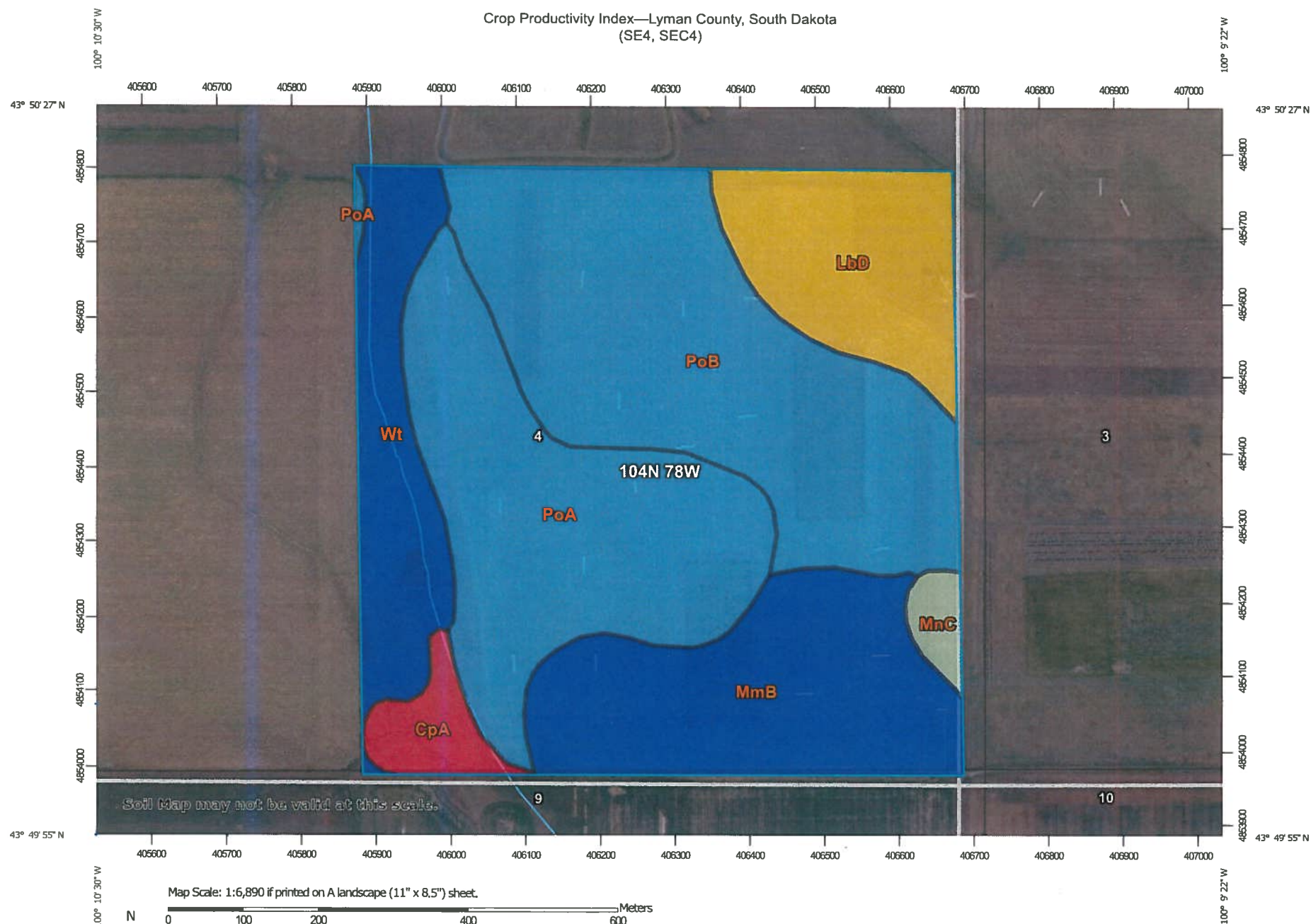


Crop Productivity Index—Lyman County, South Dakota
(SE4, SEC4)



Map Scale: 1:6,890 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N WGS84



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

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Crop Productivity Index—Lyman County, South Dakota
(SE4, SEC4)





MAP LEGEND

Area of Interest (AOI)







 Area of Interest (AOI)

Soils






Soil Rating Polygons

-  ≤ 11
-  > 11 and ≤ 33
-  > 33 and ≤ 56
-  > 56 and ≤ 68
-  > 68 and ≤ 79
-  Not rated or not available

Soil Rating Lines

-  ≤ 11
-  > 11 and ≤ 33
-  > 33 and ≤ 56
-  > 56 and ≤ 68
-  > 68 and ≤ 79
-  Not rated or not available

Soil Rating Points

-  ≤ 11
-  > 11 and ≤ 33
-  > 33 and ≤ 56
-  > 56 and ≤ 68
-  > 68 and ≤ 79
-  Not rated or not available

Political Features






 PLSS Township and Range

 PLSS Section

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 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Lyman County, South Dakota

Survey Area Data: Version 23, Sep 9, 2022

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

Date(s) aerial images were photographed: Apr 1, 2021—Oct 25, 2021

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.

Crop Productivity Index

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CpA	Capa silt loam, 0 to 6 percent slopes	11	4.8	2.9%
LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	33	18.0	11.2%
MmB	Millboro silty clay, 3 to 6 percent slopes	79	29.8	18.5%
MnC	Boro-Millboro silty clays, 6 to 9 percent slopes	56	2.2	1.4%
PoA	Promise clay, 0 to 3 percent slopes	68	39.1	24.2%
PoB	Promise clay, 3 to 6 percent slopes	64	50.8	31.5%
Wt	Witten silty clay, 0 to 3 percent slopes	79	16.6	10.3%
Totals for Area of Interest			161.4	100.0%

Rating Options

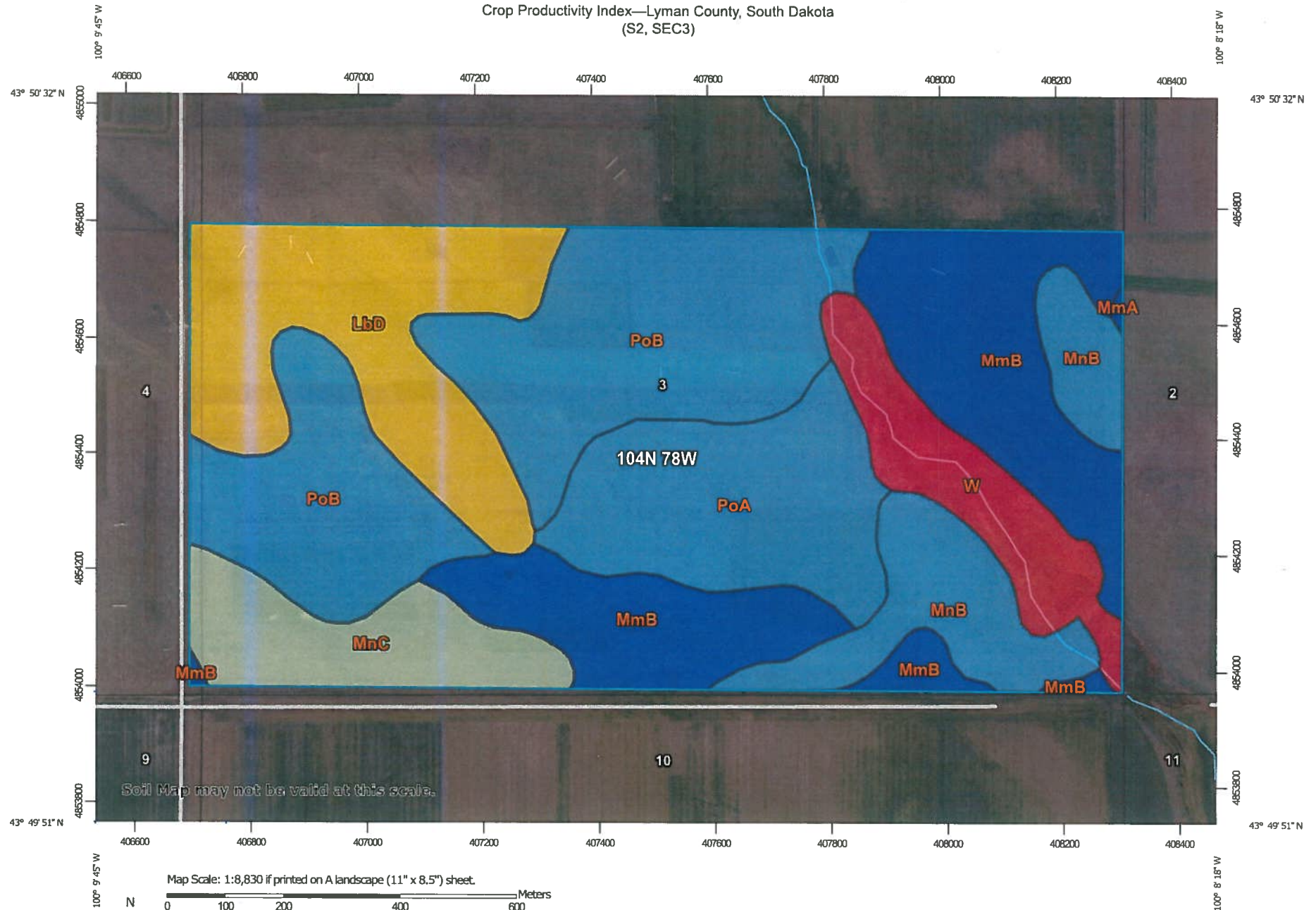
Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: Yes

Crop Productivity Index—Lyman County, South Dakota (S2, SEC3)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

10/4/2022
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Crop Productivity Index—Lyman County, South Dakota
(S2, SEC3)







MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils







Soil Rating Polygons

 ≤ 0
 > 0 and ≤ 33
 > 33 and ≤ 56
 > 56 and ≤ 68
 > 68 and ≤ 85
 Not rated or not available

Soil Rating Lines

 ≤ 0
 > 0 and ≤ 33
 > 33 and ≤ 56
 > 56 and ≤ 68
 > 68 and ≤ 85
 Not rated or not available

Soil Rating Points

 ≤ 0
 > 0 and ≤ 33
 > 33 and ≤ 56
 > 56 and ≤ 68
 > 68 and ≤ 85
 Not rated or not available

Political Features

 PLSS Township and Range

 PLSS Section

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 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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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Soil Survey Area: Lyman County, South Dakota

Survey Area Data: Version 23, Sep 9, 2022

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

Date(s) aerial images were photographed: Apr 1, 2021—Oct 25, 2021

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Crop Productivity Index

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	33	49.9	15.7%
MmA	Millboro silty clay, 0 to 3 percent slopes	85	0.2	0.1%
MmB	Millboro silty clay, 3 to 6 percent slopes	79	65.0	20.5%
MnB	Boro-Millboro silty clays, 3 to 6 percent slopes	68	30.1	9.5%
MnC	Boro-Millboro silty clays, 6 to 9 percent slopes	56	23.3	7.4%
PoA	Promise clay, 0 to 3 percent slopes	68	40.4	12.8%
PoB	Promise clay, 3 to 6 percent slopes	64	85.4	27.0%
W	Water	0	22.4	7.1%
Totals for Area of Interest			316.8	100.0%

Rating Options

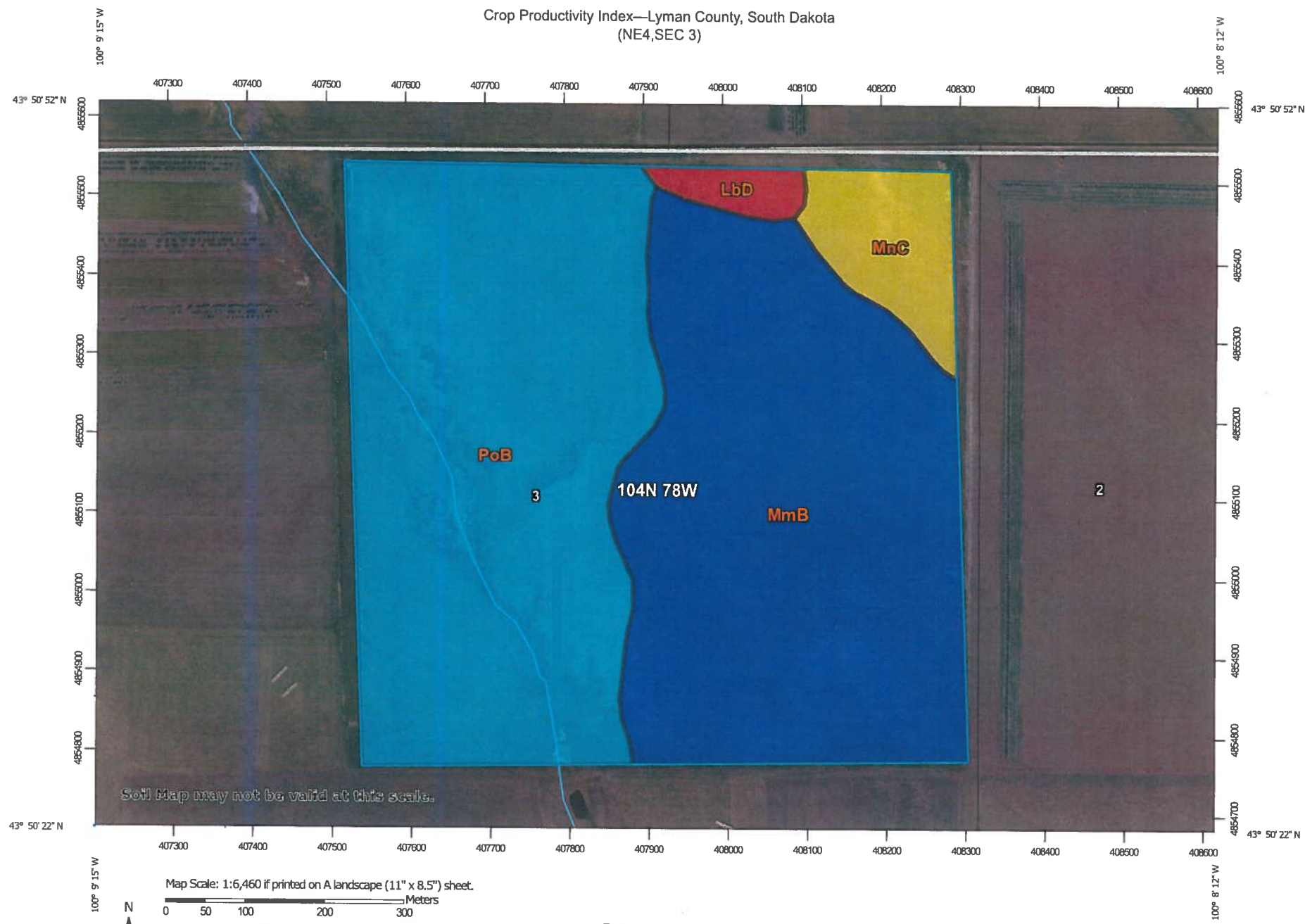
Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: Yes

Crop Productivity Index—Lyman County, South Dakota
(NE4, SEC 3)




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

10/4/2022
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MAP LEGEND

Area of Interest (AOI)






 Area of Interest (AOI)

Soils






Soil Rating Polygons

 ≤ 33
 > 33 and ≤ 56
 > 56 and ≤ 64
 > 64 and ≤ 79
 Not rated or not available

Soil Rating Lines

 ≤ 33
 > 33 and ≤ 56
 > 56 and ≤ 64
 > 64 and ≤ 79
 Not rated or not available

Soil Rating Points

 ≤ 33
 > 33 and ≤ 56
 > 56 and ≤ 64
 > 64 and ≤ 79
 Not rated or not available






Political Features

 PLSS Township and Range
 PLSS Section

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 1:20,000.

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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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Soil Survey Area: Lyman County, South Dakota

Survey Area Data: Version 23, Sep 9, 2022

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

Date(s) aerial images were photographed: Apr 1, 2021—Oct 25, 2021

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Crop Productivity Index

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	33	2.5	1.7%
MmB	Millboro silty clay, 3 to 6 percent slopes	79	65.2	45.5%
MnC	Boro-Millboro silty clays, 6 to 9 percent slopes	56	8.2	5.7%
PoB	Promise clay, 3 to 6 percent slopes	64	67.5	47.1%
Totals for Area of Interest			143.4	100.0%

Rating Options

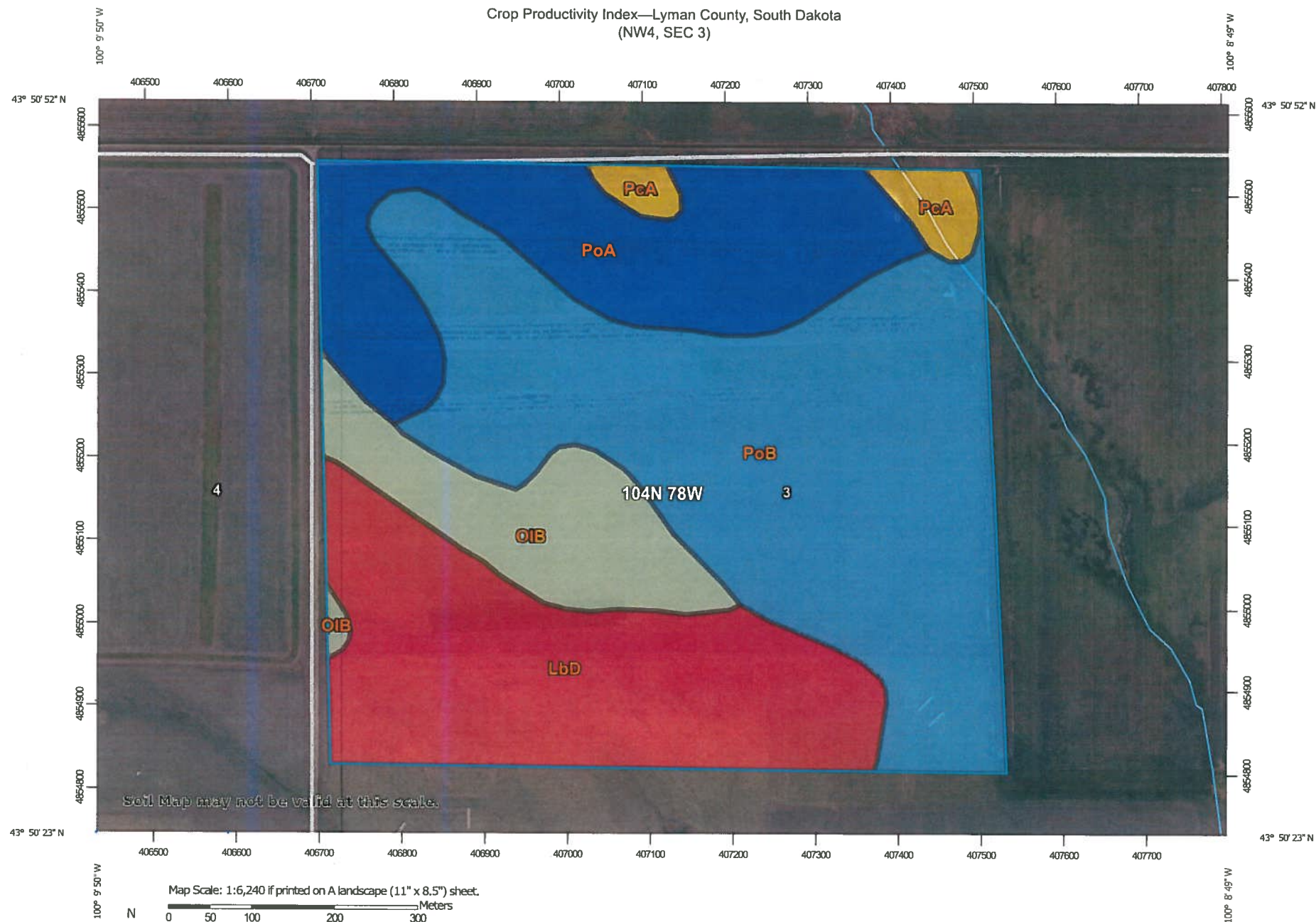
Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: Yes

Crop Productivity Index—Lyman County, South Dakota
(NW4, SEC 3)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

10/4/2022
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Crop Productivity Index—Lyman County, South Dakota
(NW4, SEC 3)


MAP LEGEND

Area of Interest (AOI)







 Area of Interest (AOI)

Soils







Soil Rating Polygons

-  ≤ 33
-  > 33 and ≤ 53
-  > 53 and ≤ 60
-  > 60 and ≤ 64
-  > 64 and ≤ 68
-  Not rated or not available

Soil Rating Lines

-  ≤ 33
-  > 33 and ≤ 53
-  > 53 and ≤ 60
-  > 60 and ≤ 64
-  > 64 and ≤ 68
-  Not rated or not available

Soil Rating Points

-  ≤ 33
-  > 33 and ≤ 53
-  > 53 and ≤ 60
-  > 60 and ≤ 64
-  > 64 and ≤ 68
-  Not rated or not available

Political Features






 PLSS Township and Range

 PLSS Section

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

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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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Crop Productivity Index

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	33	36.0	24.6%
OIB	Opal clay, 3 to 6 percent slopes	60	15.0	10.2%
PcA	Promise-Capa complex, 0 to 3 percent slopes	53	3.7	2.5%
PoA	Promise clay, 0 to 3 percent slopes	68	28.4	19.4%
PoB	Promise clay, 3 to 6 percent slopes	64	63.2	43.2%
Totals for Area of Interest			146.3	100.0%

Rating Options

Aggregation Method: Weighted Average

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: Yes