Memo

Date:	Wednesday, April 11, 2018
Project:	Prevailing Wind Park
To:	Bridget Canty, sPower
From:	HDR Engineering
Subject:	Wetland Desktop Determination

Introduction

HDR Engineering previously completed desktop wetland determinations and field verification for the proposed Prevailing Wind Park in 2015, 2016, 2017, and March 2018 for various Project footprints. Recently additional Project Area has been added to the footprint. This memo summarizes the results of the desktop wetland determination review of the current Project Area provided by sPower on 3/28/2018 (see Figure 1):

Methodology

The desktop wetland survey was conducted using a time series of aerial imagery captured during the growing season and available on Google Earth, USGS Topographic Maps, National Wetlands Inventory (NWI), in addition to the USGS National Hydrography Dataset (NHD). These data sources were used in conjunction to identify potential wetland areas. Areas with wetland signatures on aerial imagery such as surface water, flooded/saturated soils, stressed crops, and patches of greener vegetation were considered to be wetland if present during most years. Small portions of the project area were field delineated as part of past projects. Though these will require new field verification, they were also used to assist in the desktop determinations.

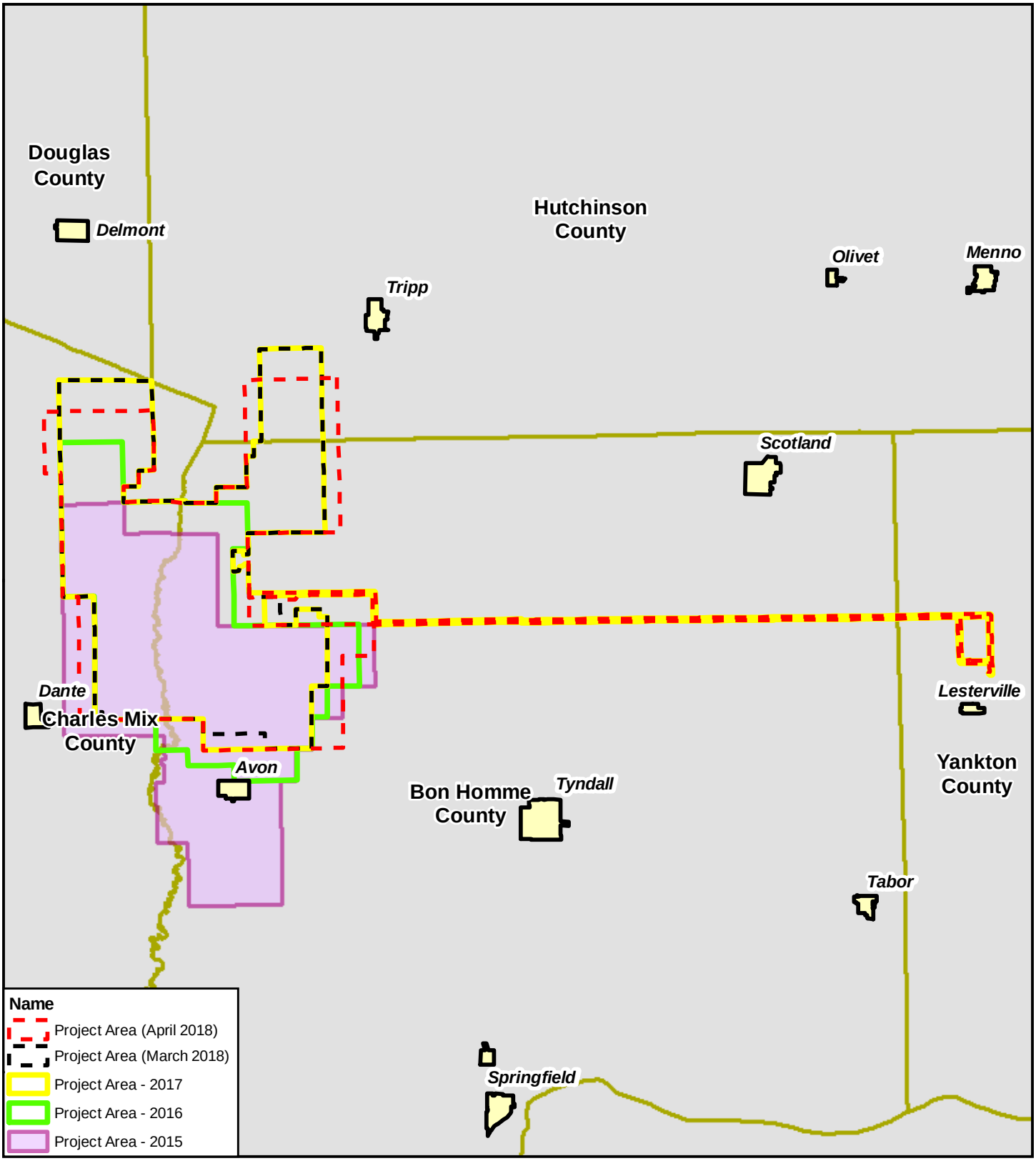
Results

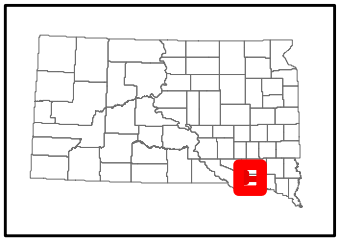
The portion of the Project Area encompassing the wind park footprint contains approximately 2,696 acres of known and potential wetlands while the portion of the Project Area encompassing the proposed transmission line corridor contains approximately 181 acres of known and potential wetlands. Table 1 summarizes the types and proportions of wetlands per the Cowardin classification given to the National Wetland Inventory within the Project Area.

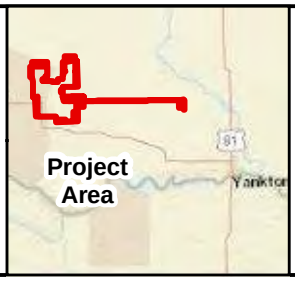
Cowardin Class	Proportion
Lacustine Aquatic Bed (L2AB)	5.34%
Palustrine Aquatic Bed (PAB)	10.65%
Palustrine Emergent (PEM)	74.69%
Palustrine Forested (PFO)	2.94%
Palustrine Unconsolidated Bottom (PUB)	0.02%
Riverine Intermittent/Ephemeral (R4/R5)	6.35%

Discussion

These wetland boundaries will be used in the site planning and construction planning phases so that the windfarm can be developed in a manner that would minimize impacts to aquatic resources. A field wetland delineation will be conducted to confirm the presence or absence of wetlands and their boundaries where infrastructure (temporary and permanent) is proposed. By doing so, the Federal wetland mitigation sequencing provisions of avoidance, minimization, and compensation as required under Section 404 of the Clean Water Act may be attained.





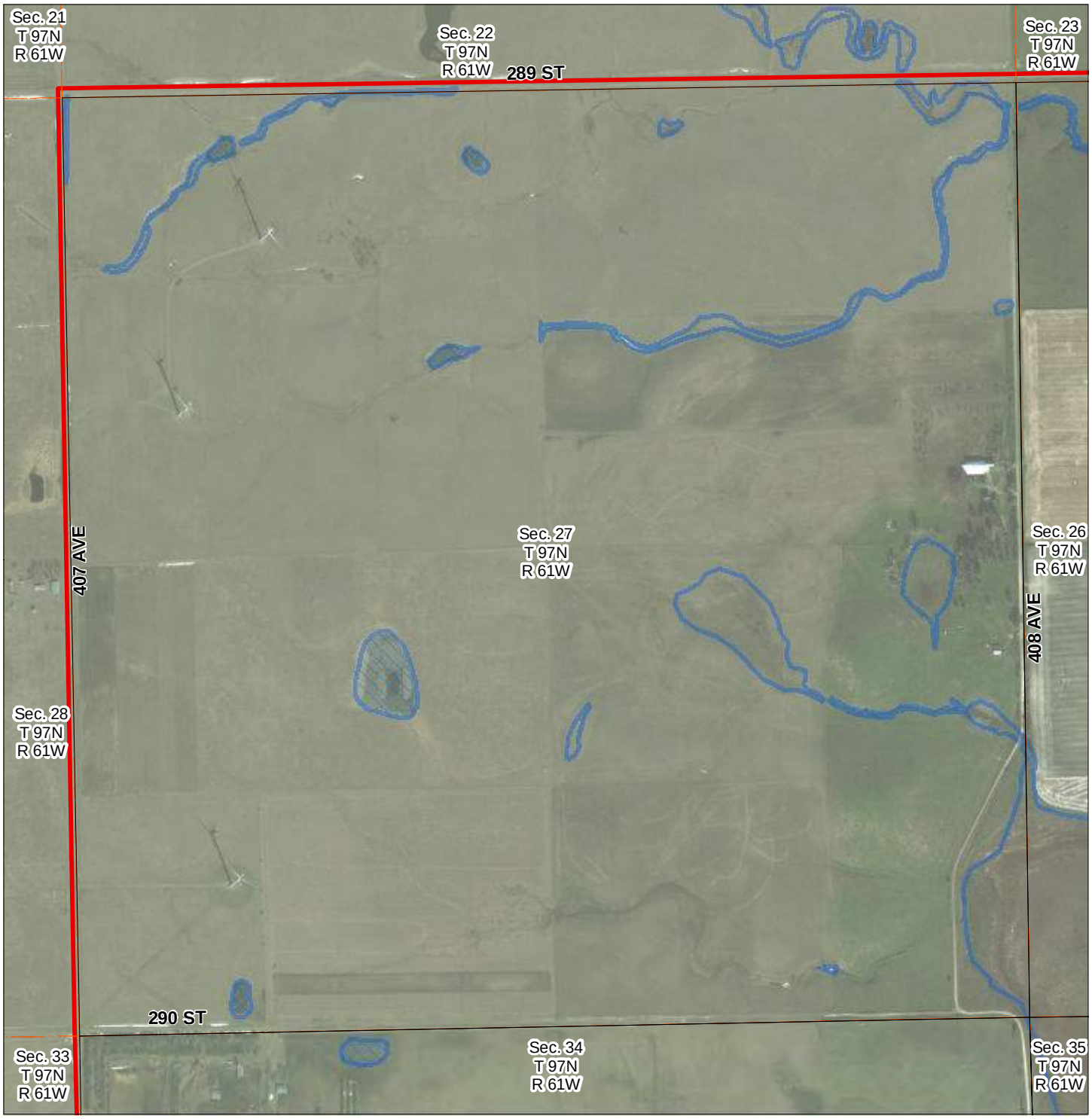


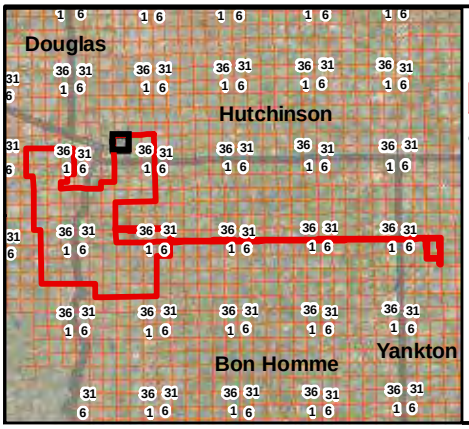
Wetland Determination - 2018 Overview
Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 2 4 Miles

Figure 1





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 1

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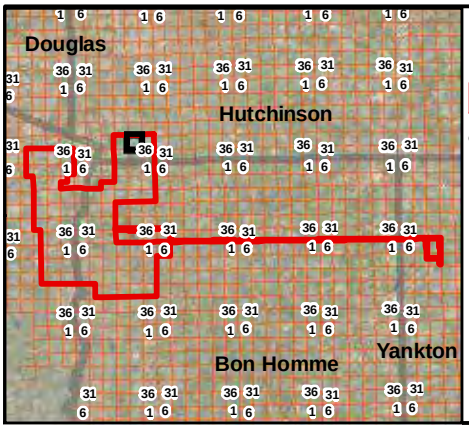

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Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 2

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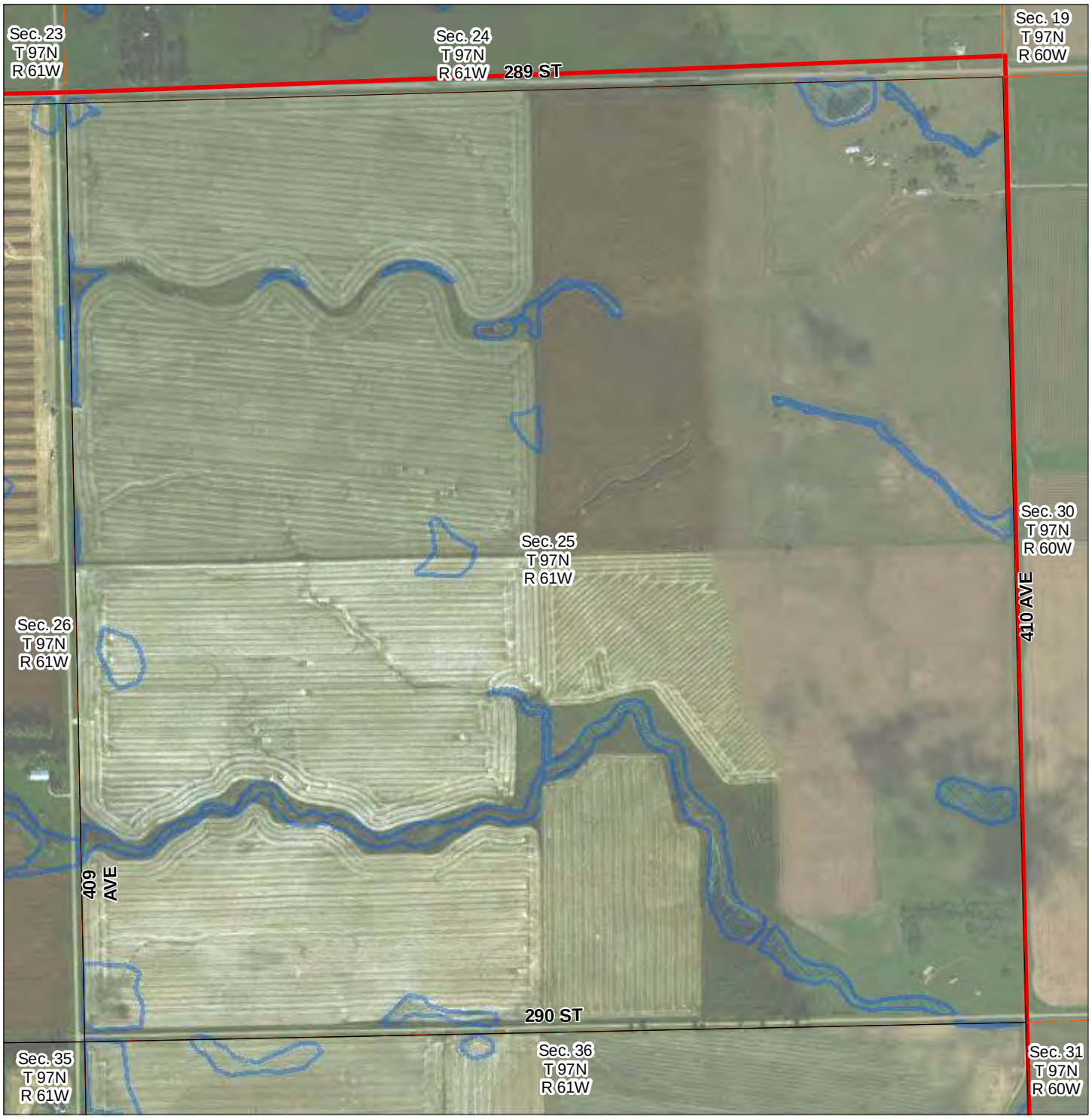

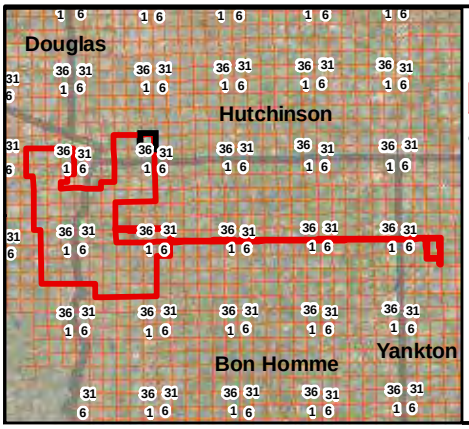

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Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 3

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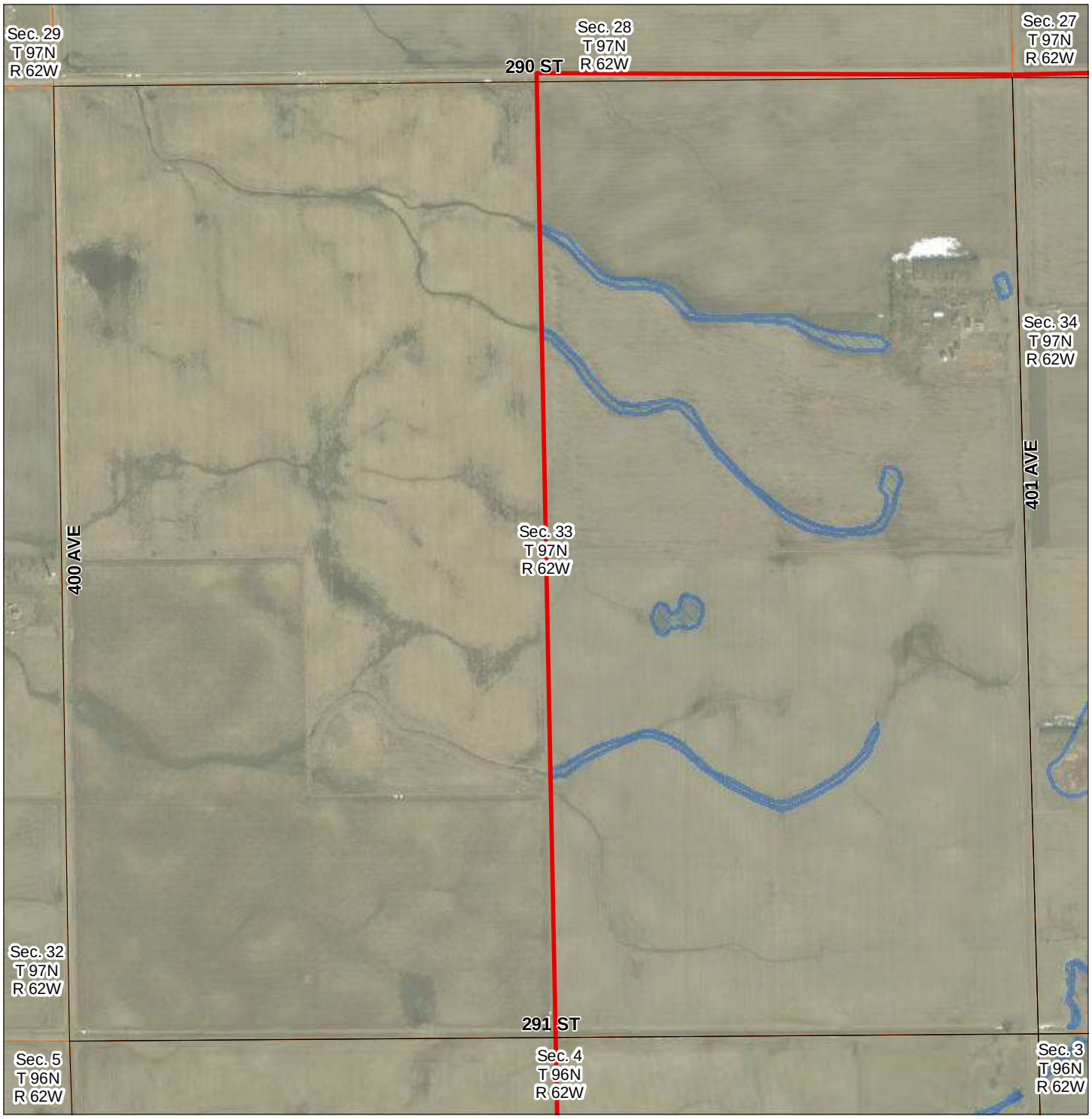

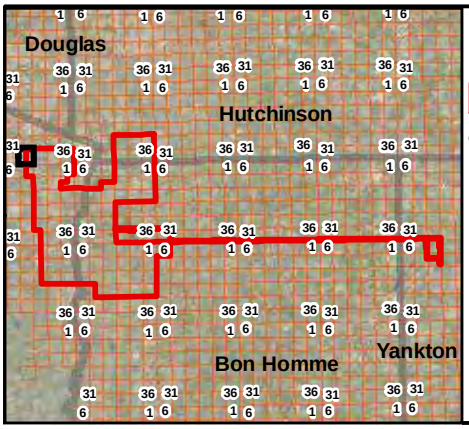

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Wetland Determination Study Area (April 2018) Prevailing Wind Park

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0 800 Feet

Figure 2 - 4

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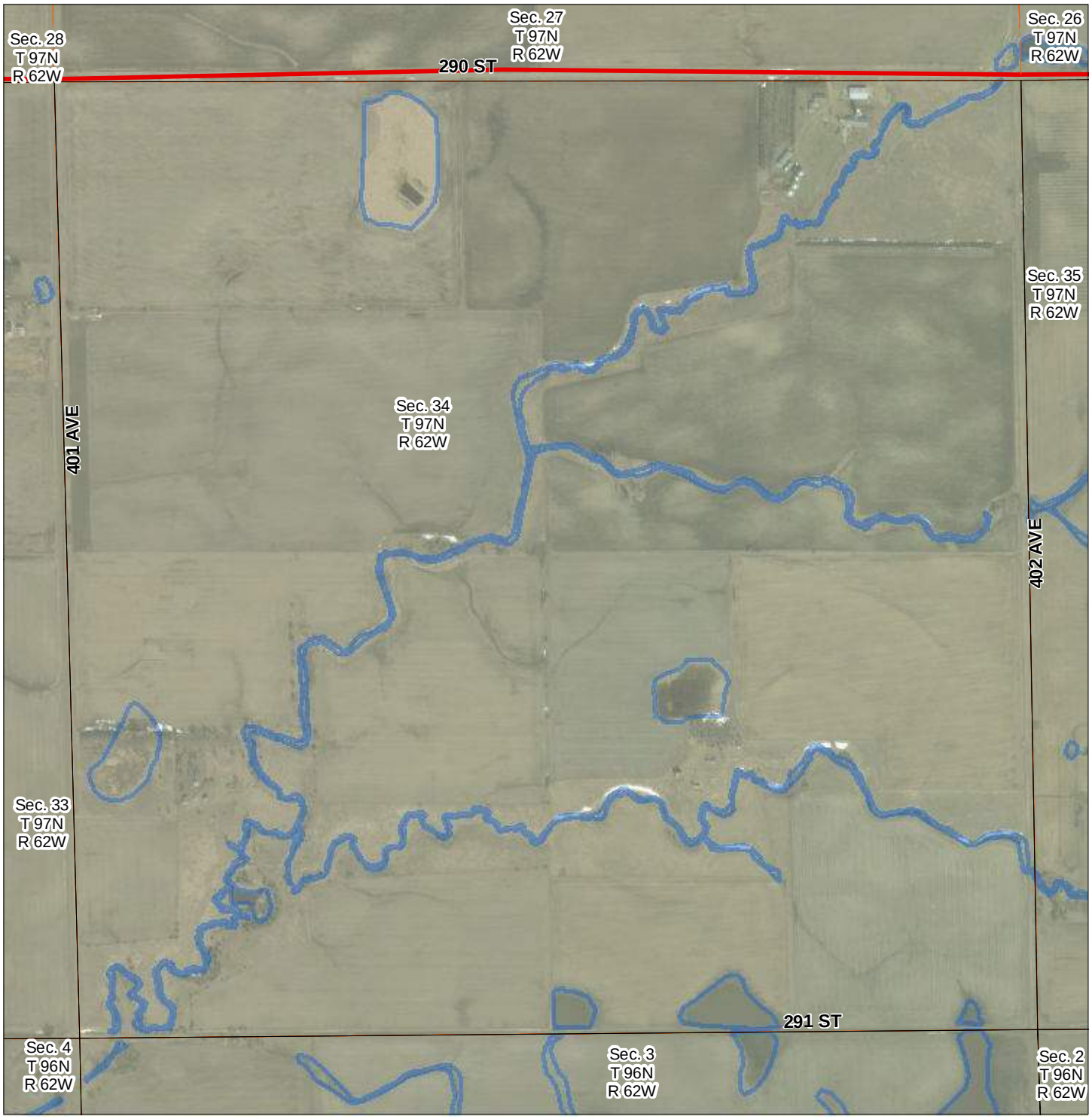

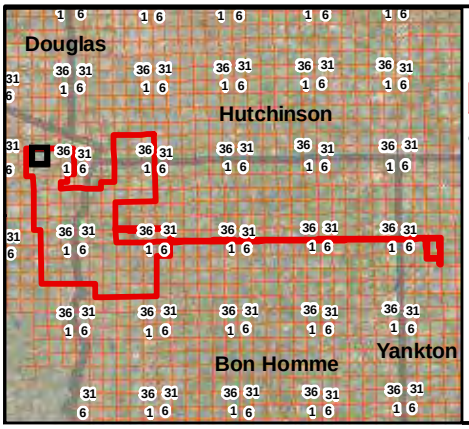

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Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Feet
0 800

Figure 2 - 5

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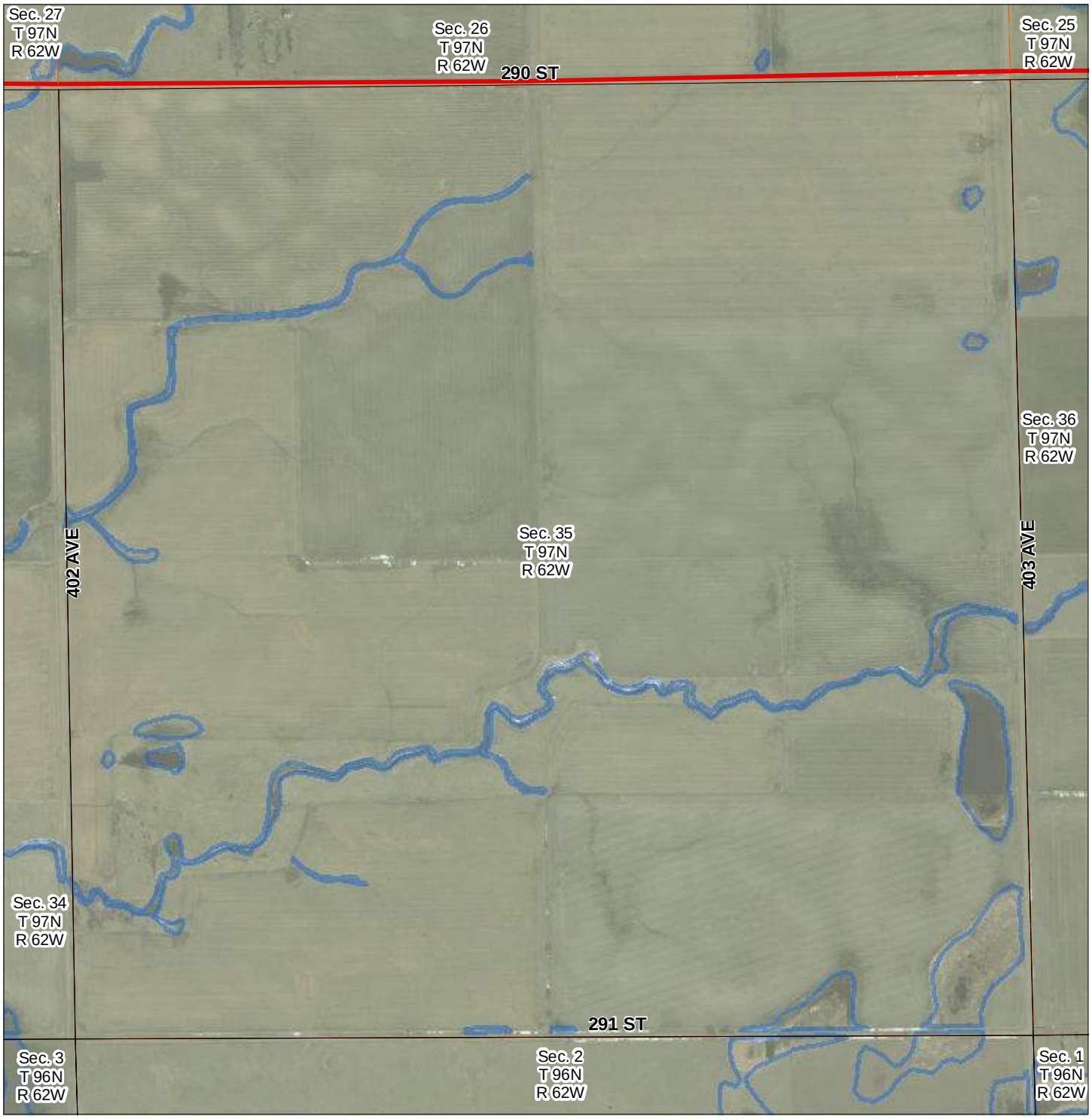

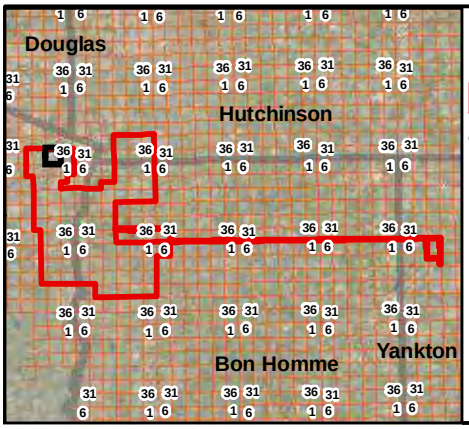

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Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 6

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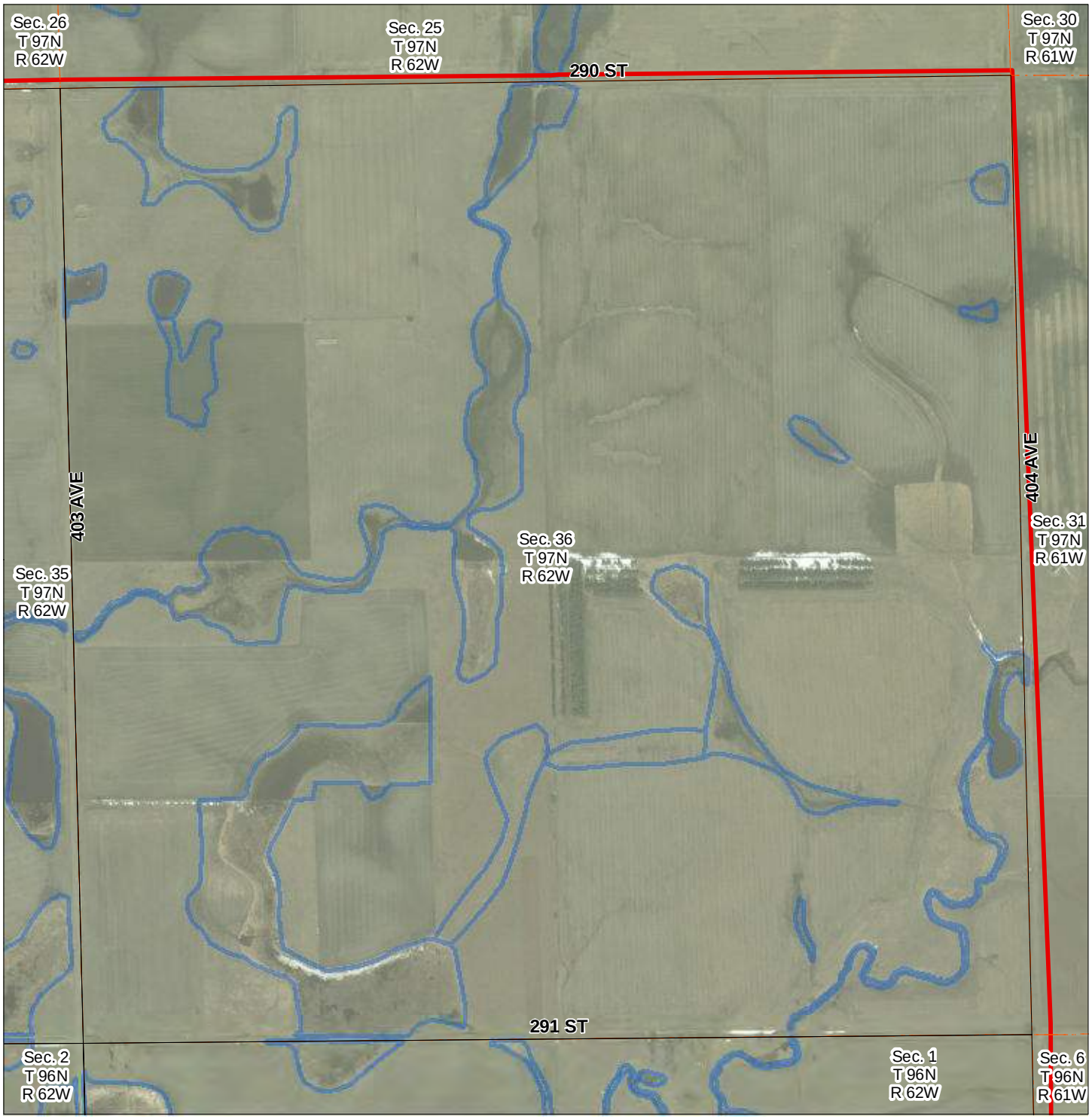

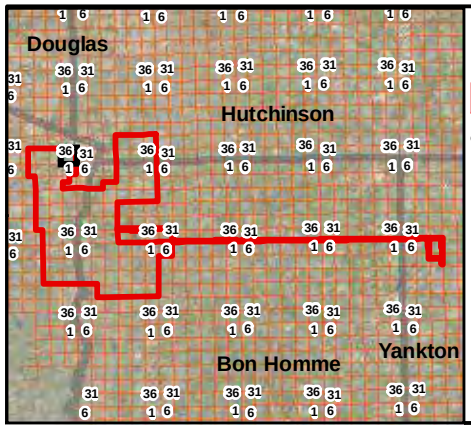

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Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 7

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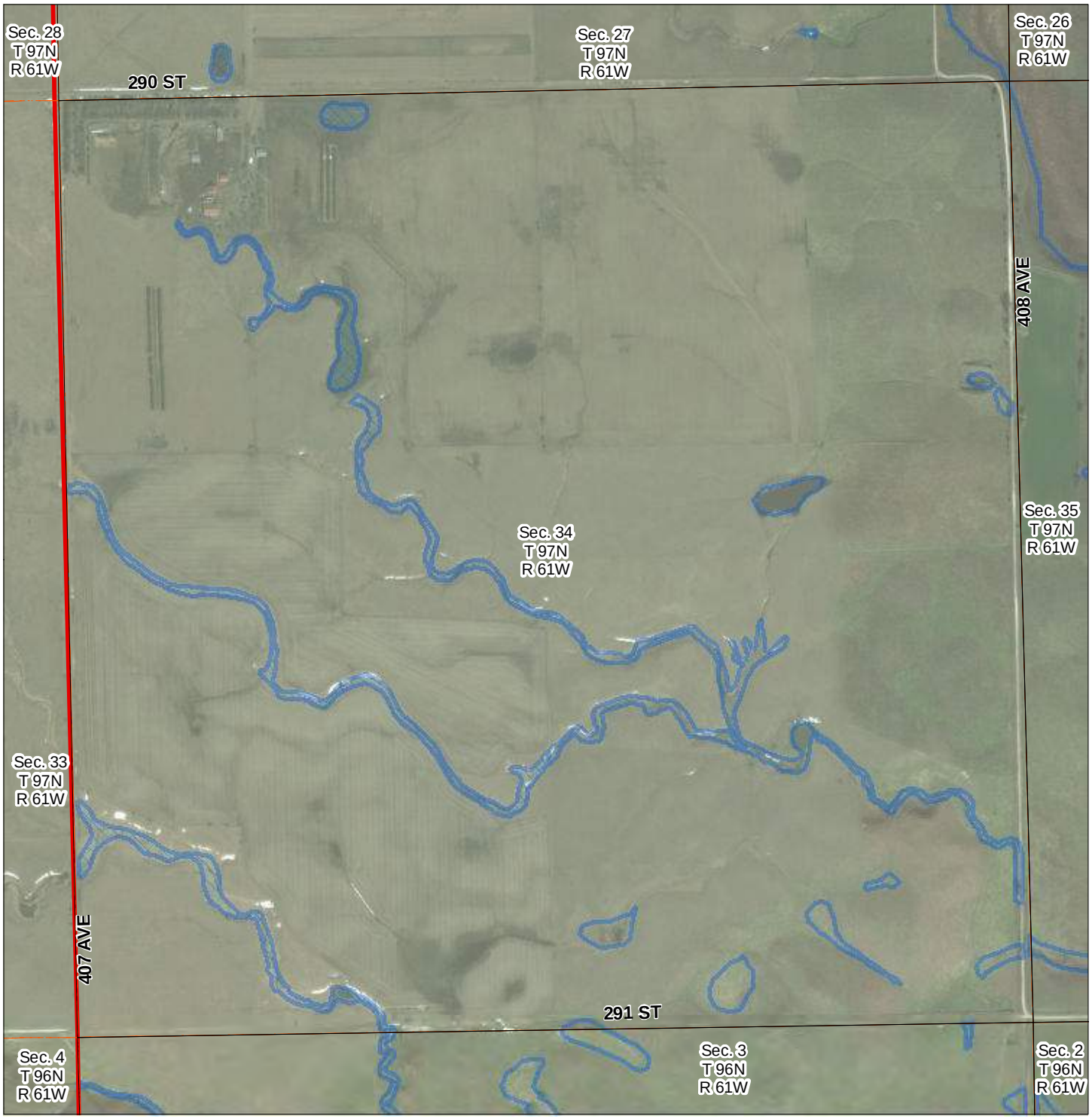

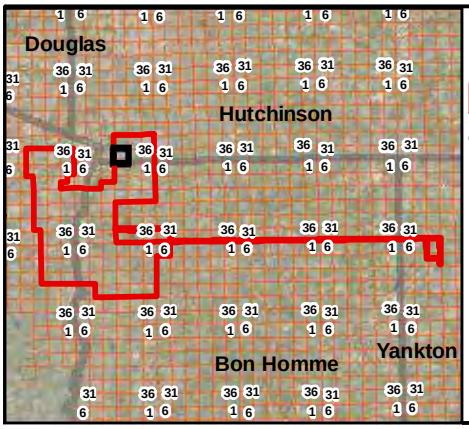

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Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 8

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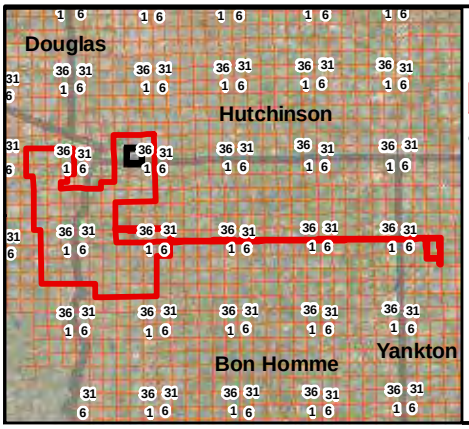

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Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 9

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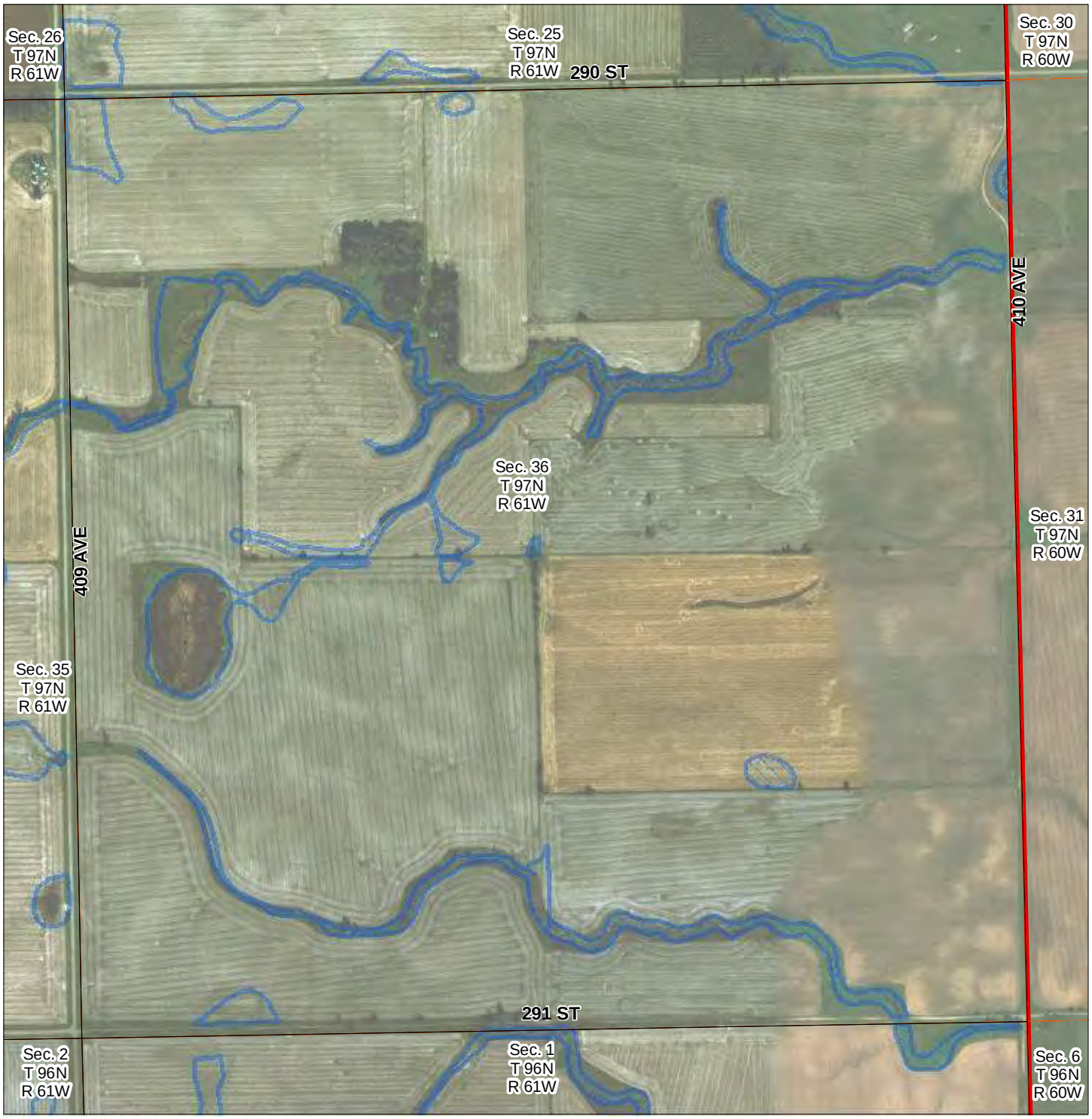

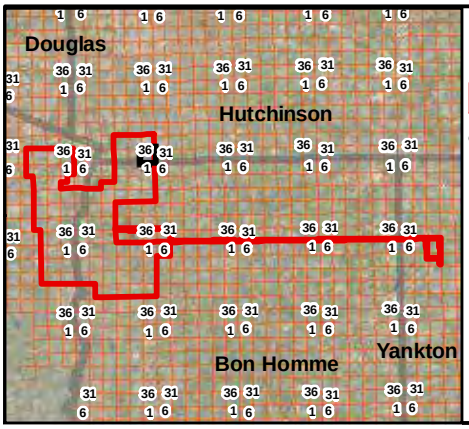

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0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 10

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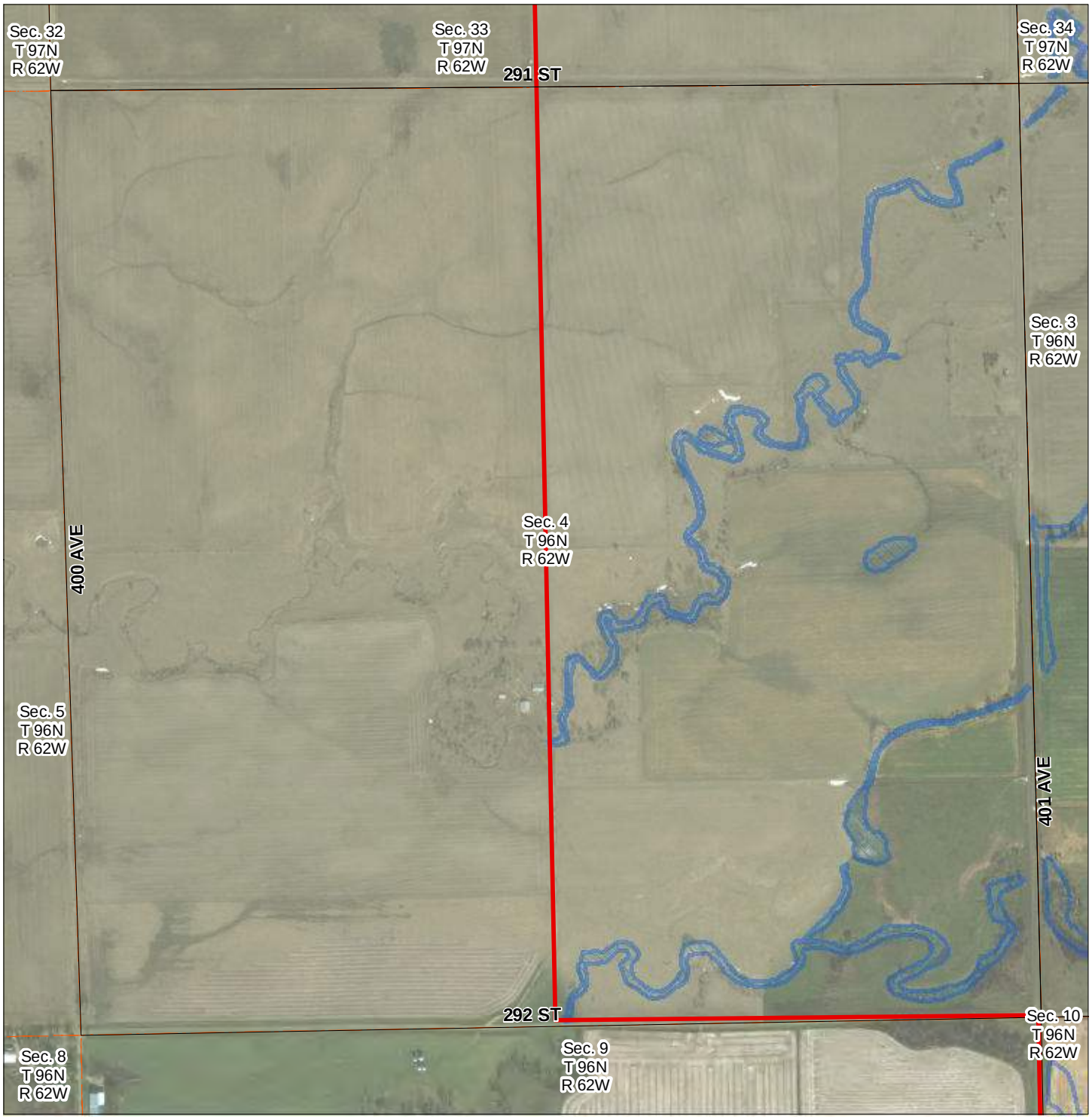

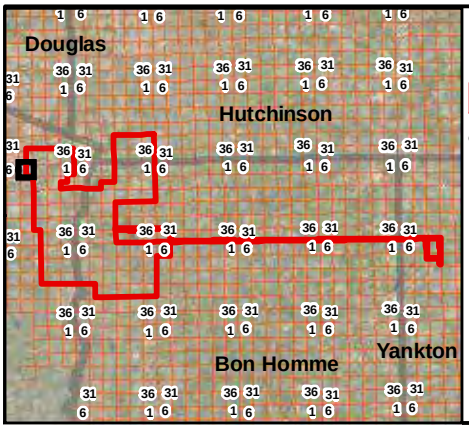

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Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 11

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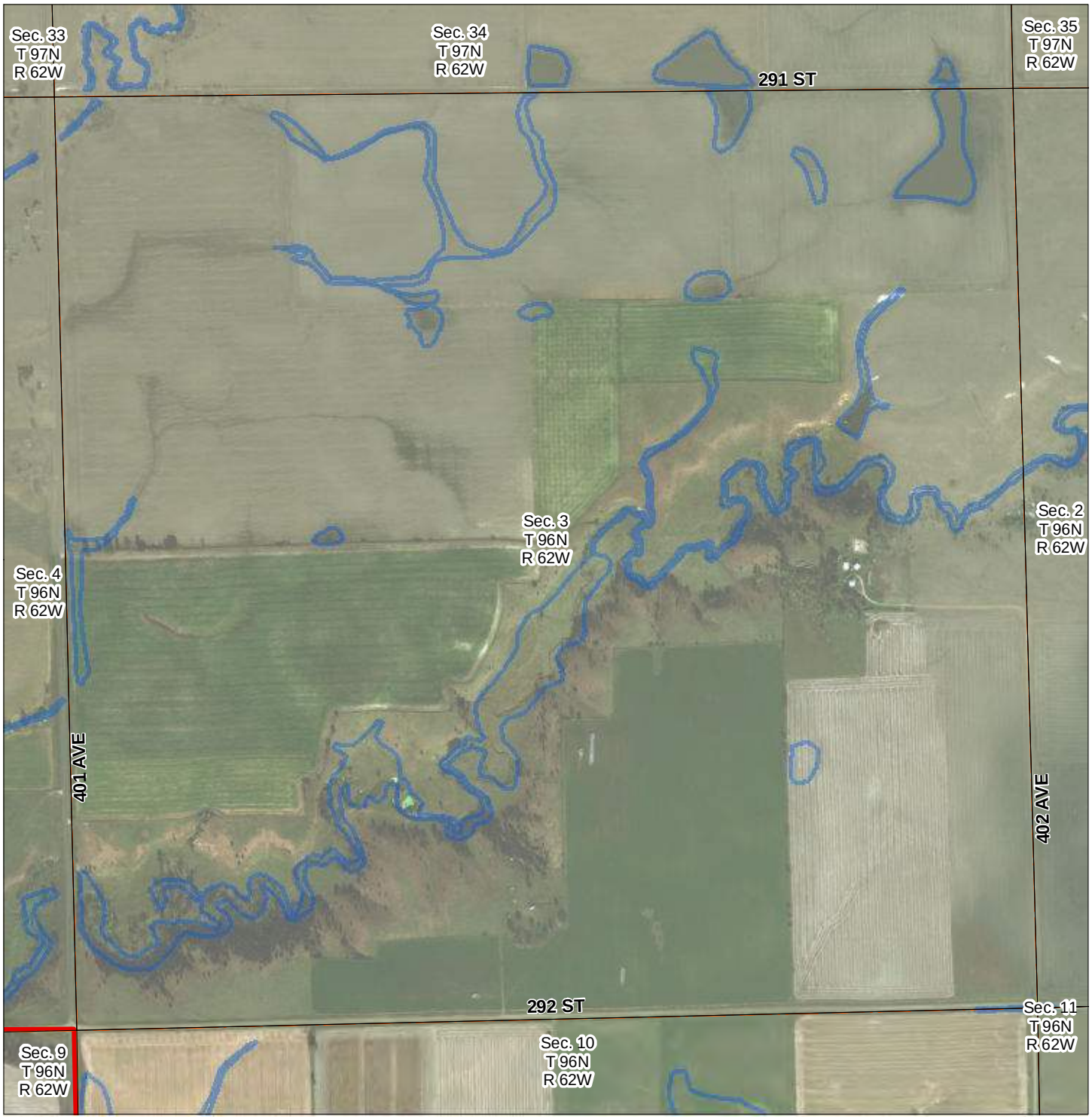

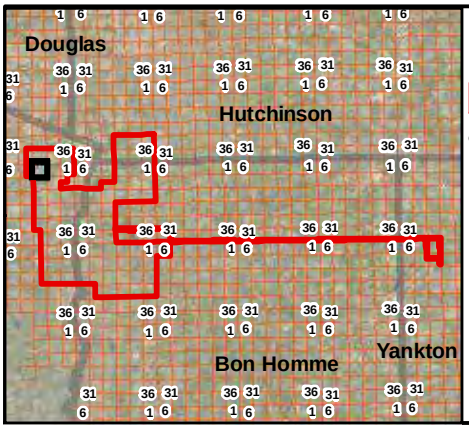

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Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 12

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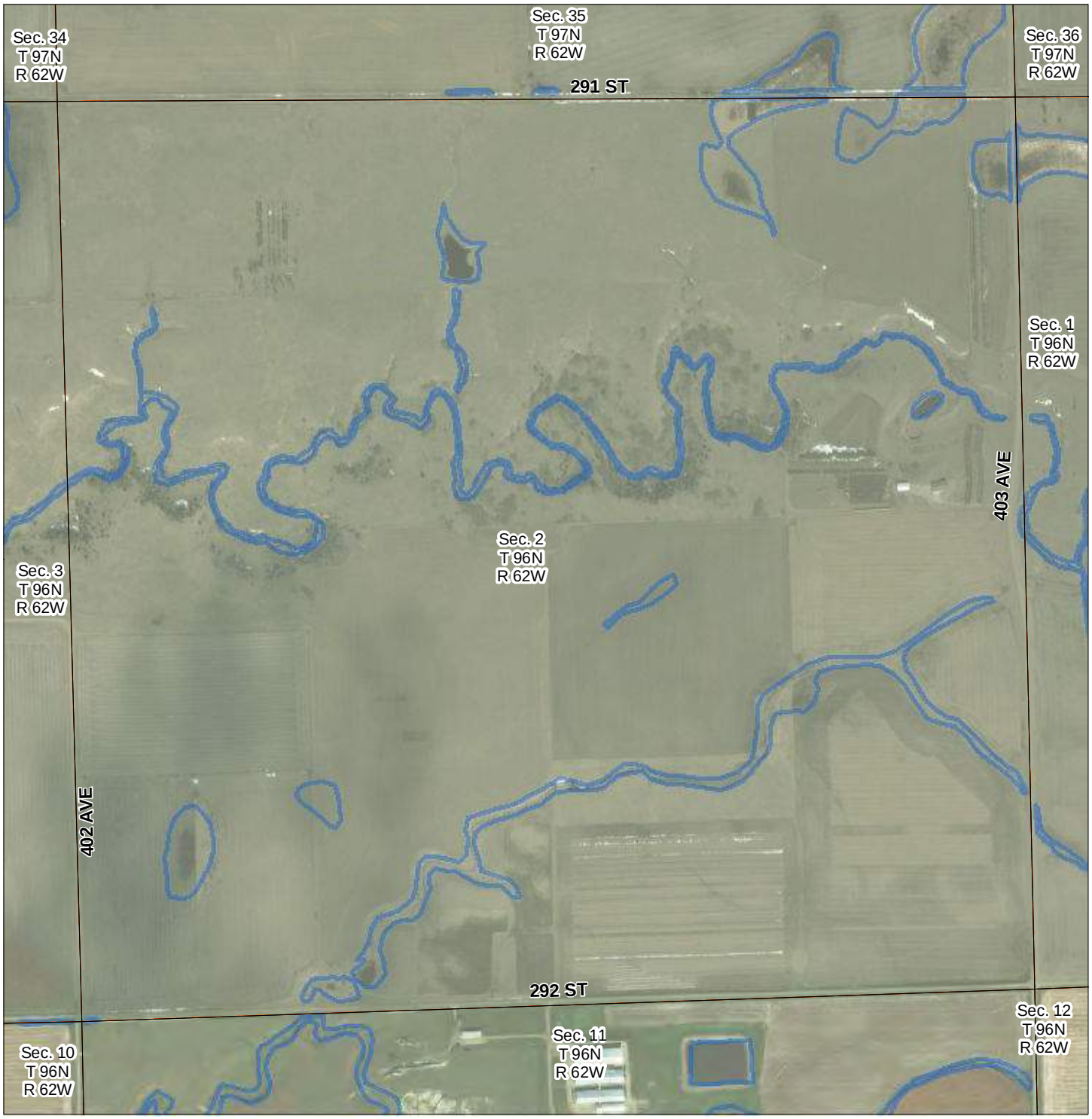

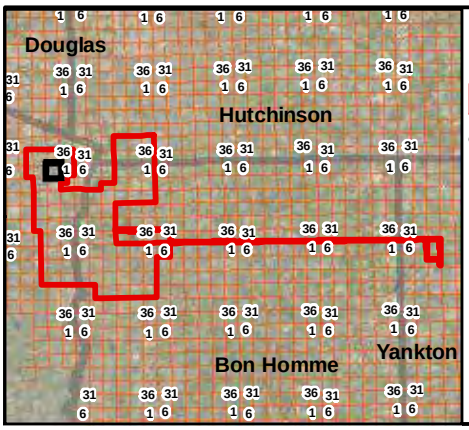

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0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 13

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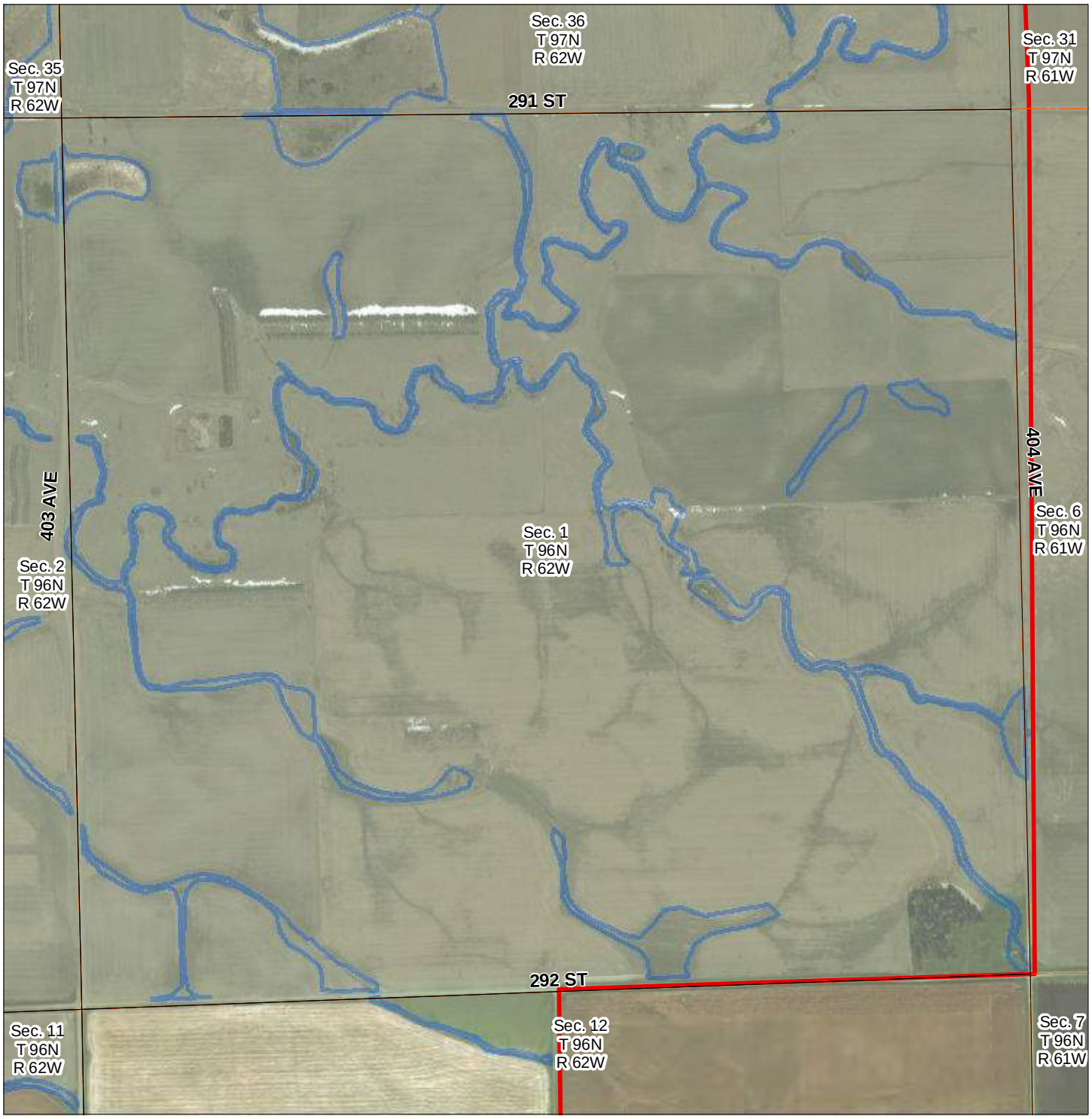

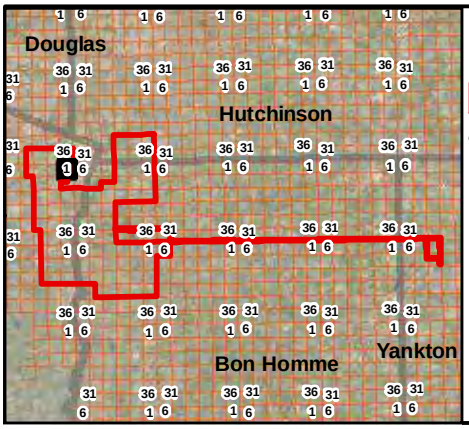

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0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 14

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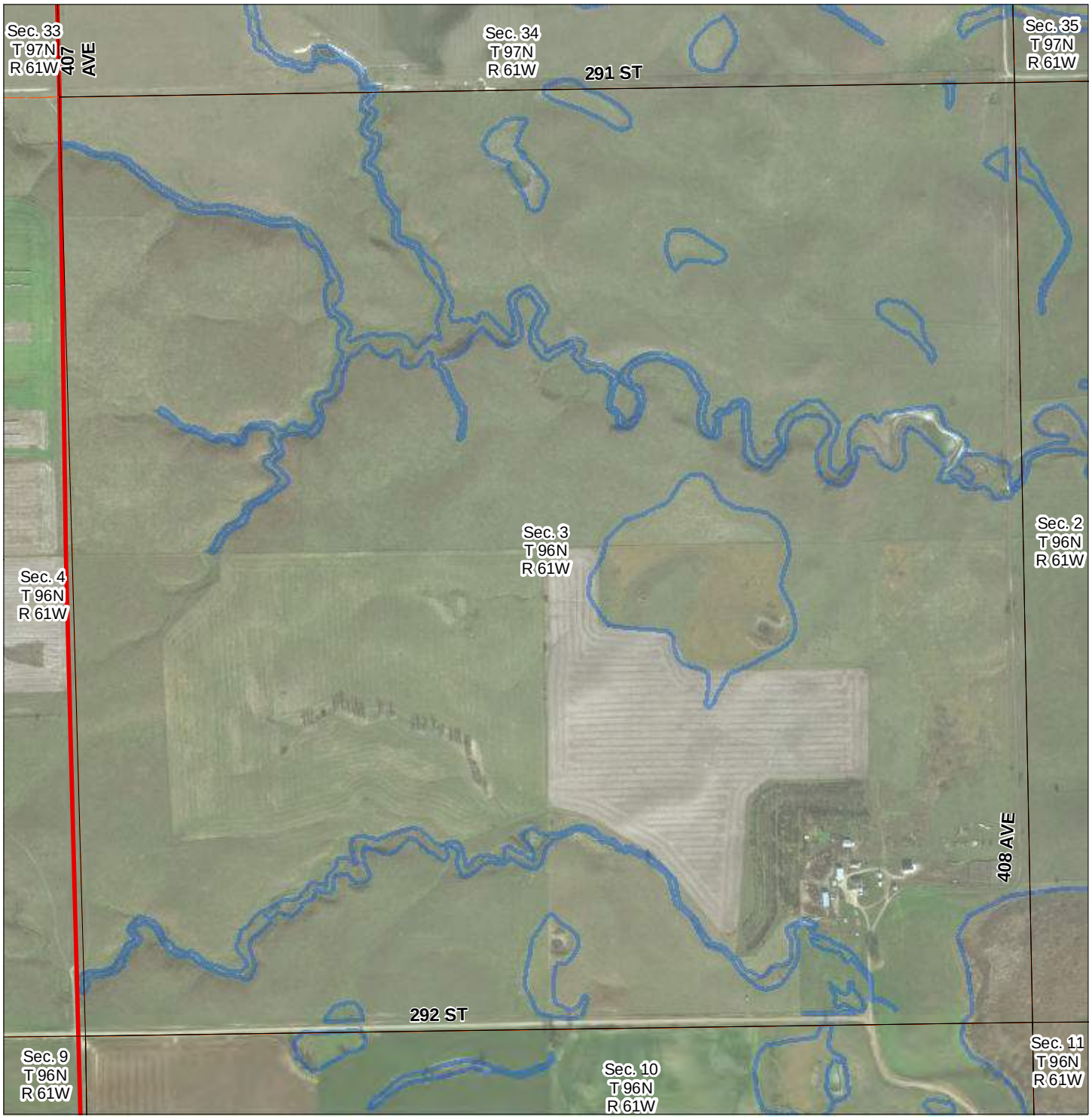

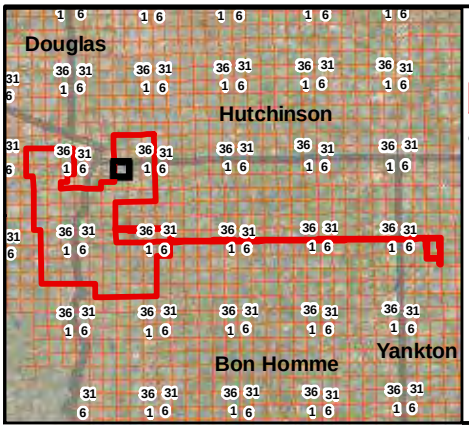

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Feet
0 800

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 15

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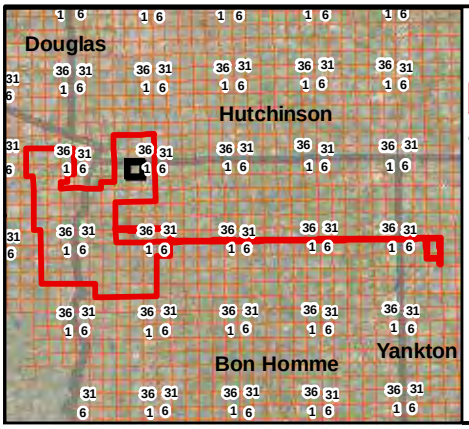

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0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 16

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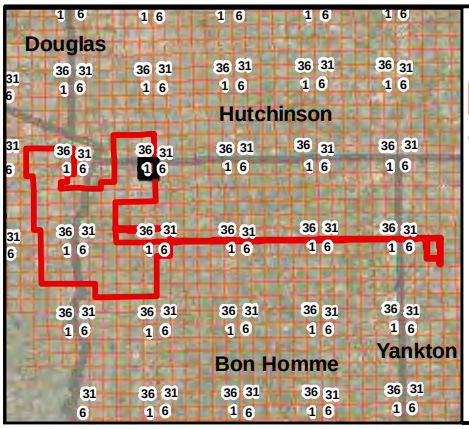

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Figure 2 - 17

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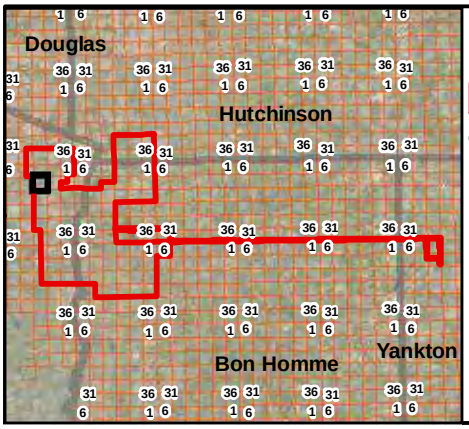

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0 800 Feet

Figure 2 - 18

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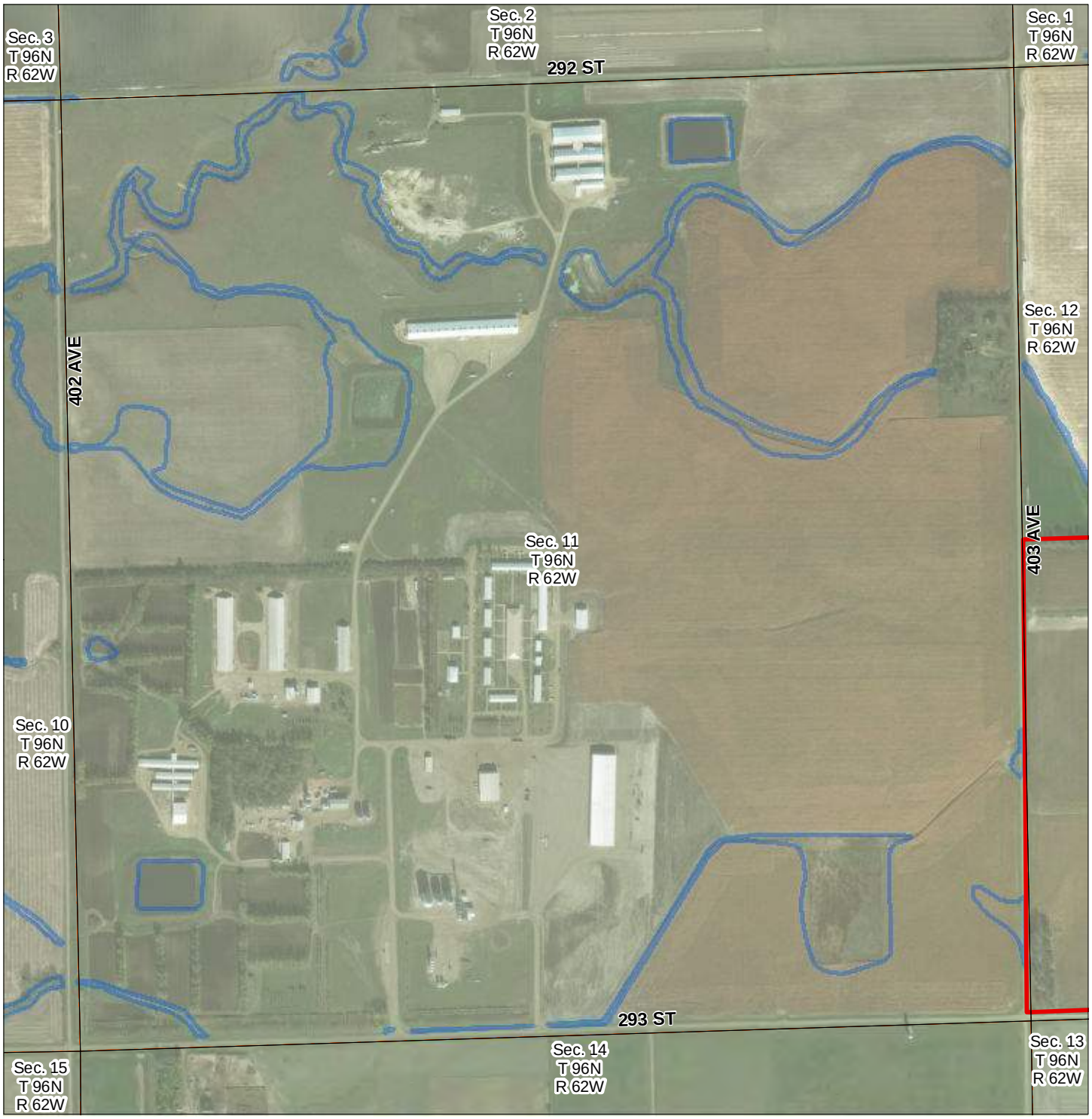
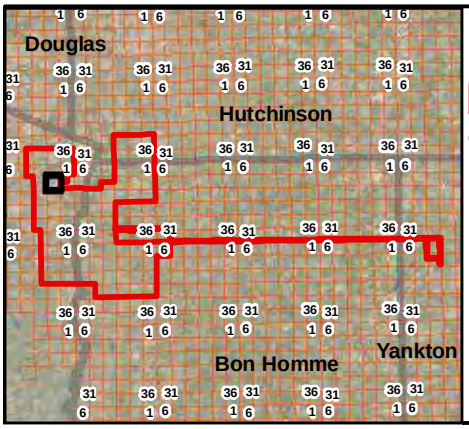




Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

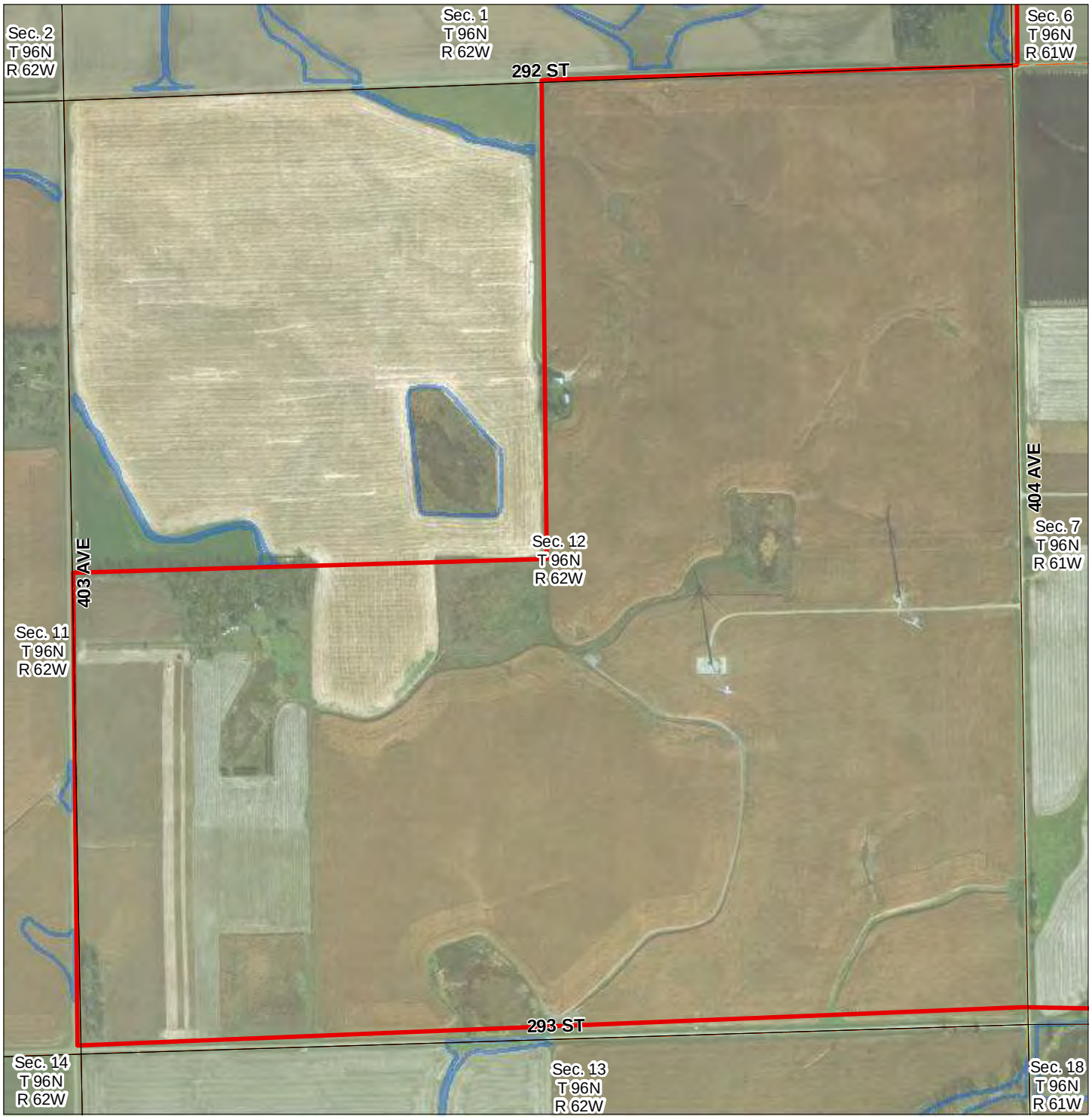
0 800 Feet

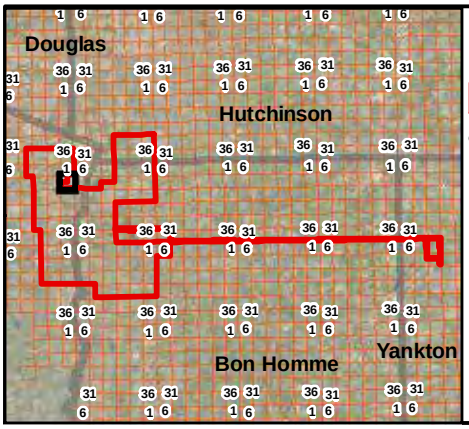
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 19

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 20

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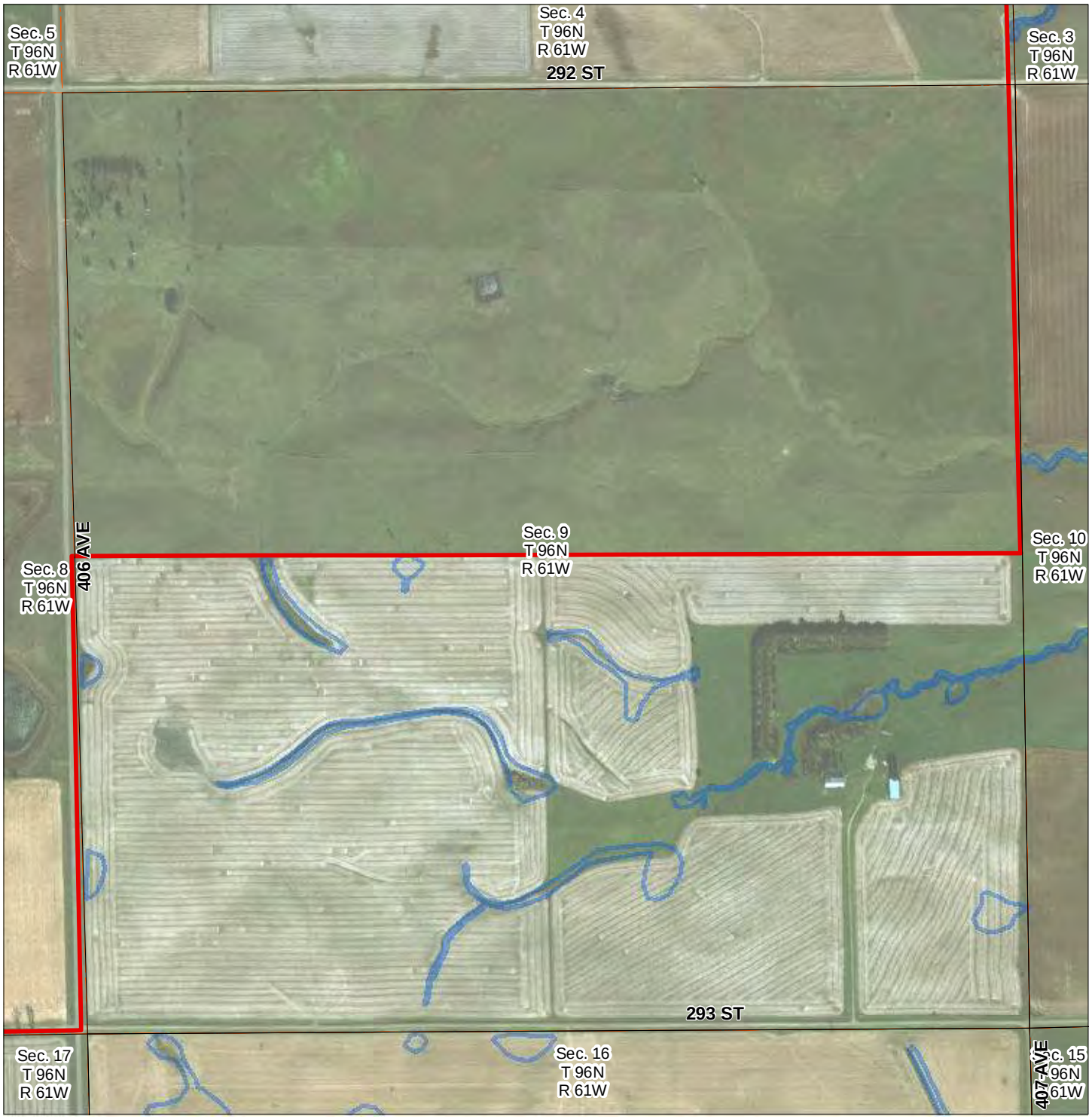

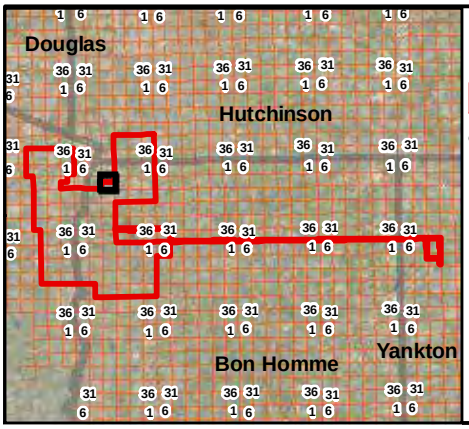

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 21

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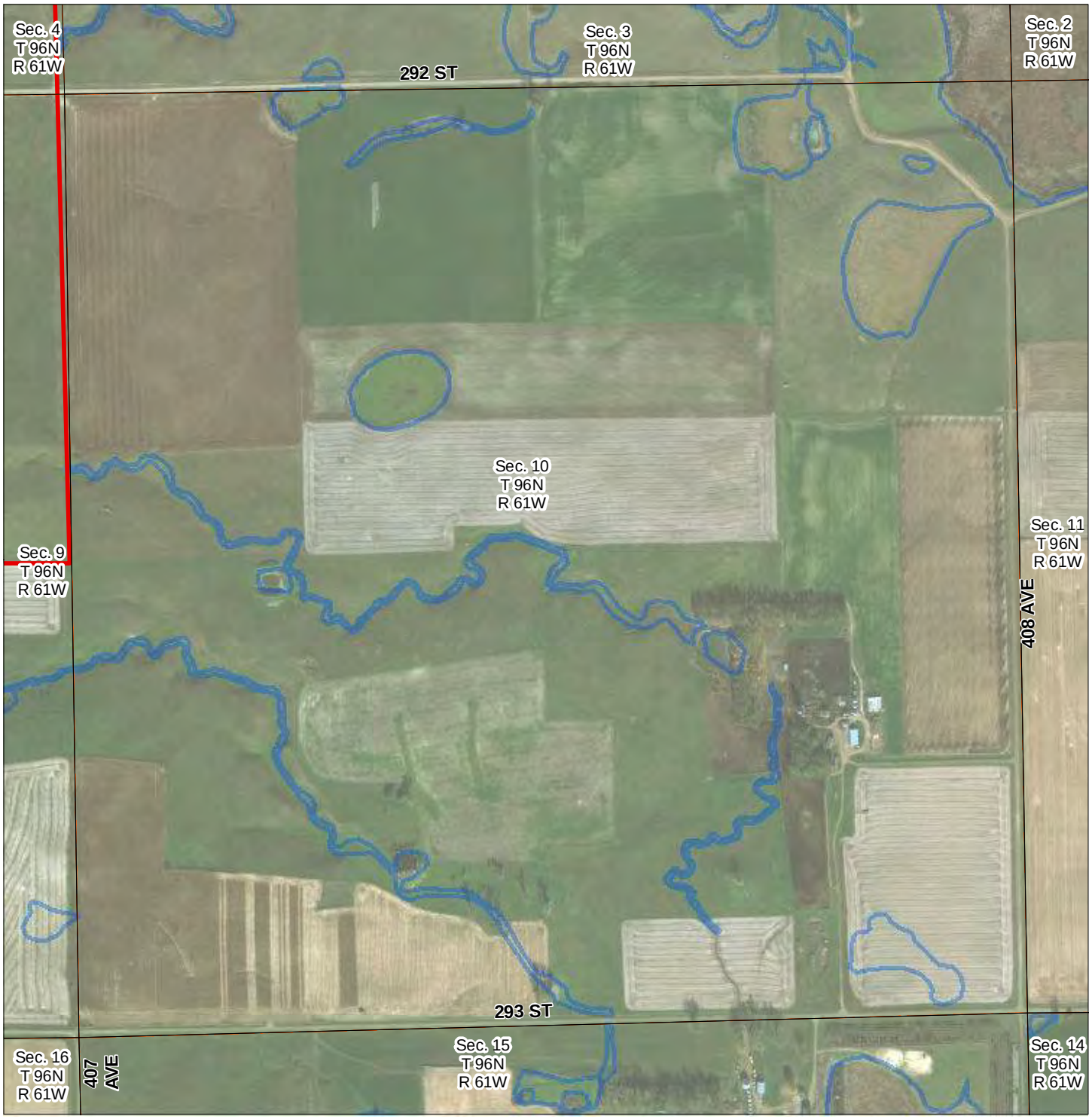
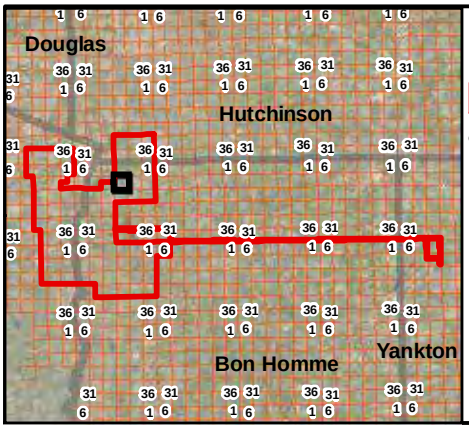




Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

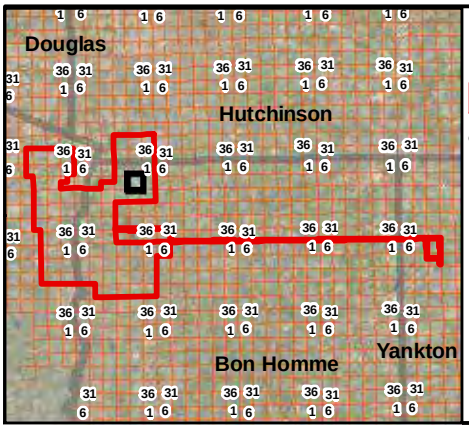
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 22

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd



Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 23

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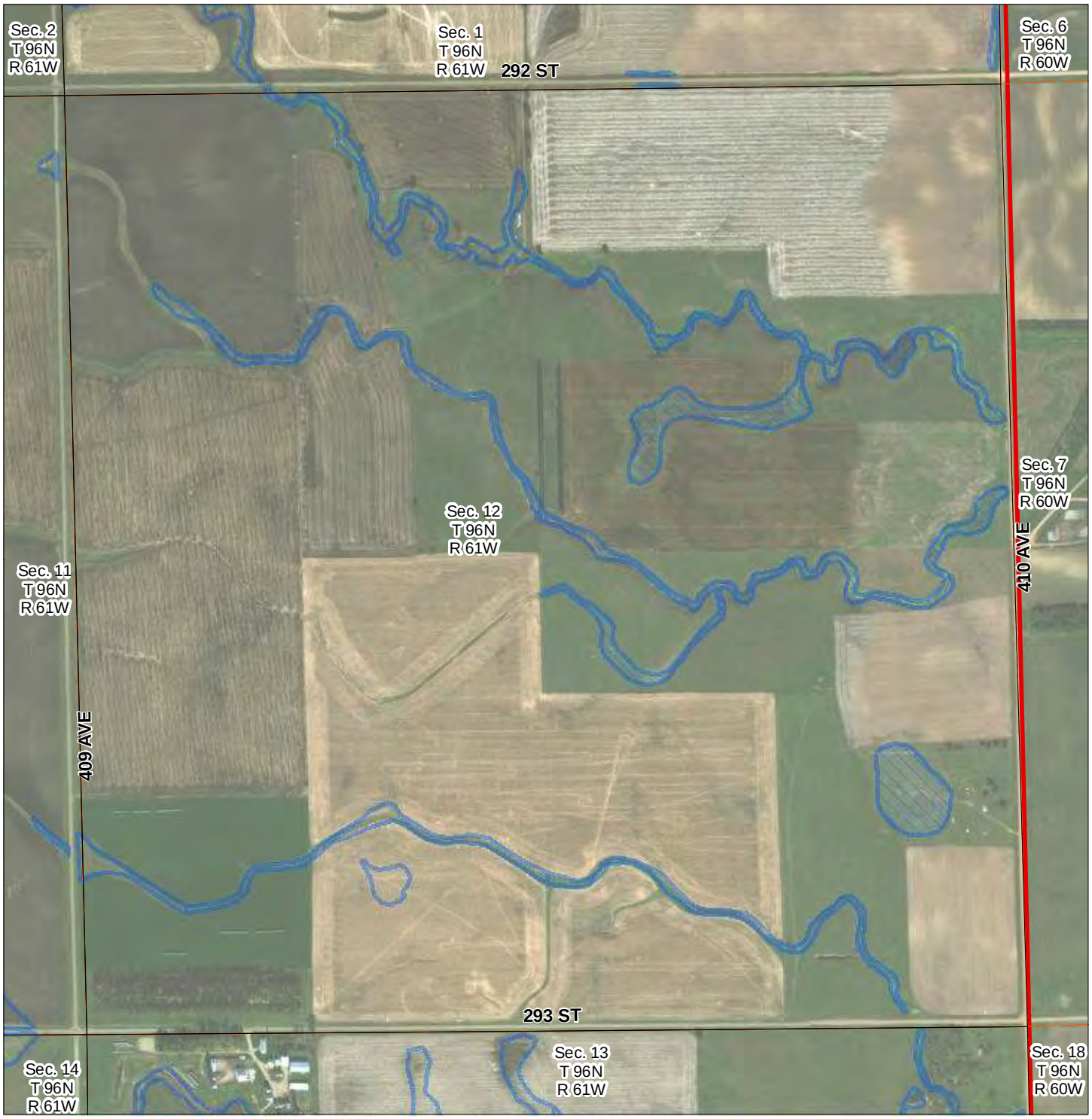

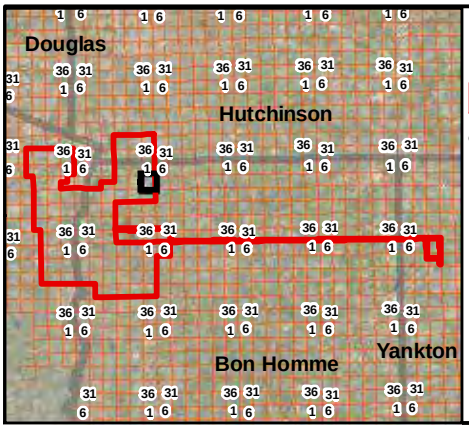

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 24

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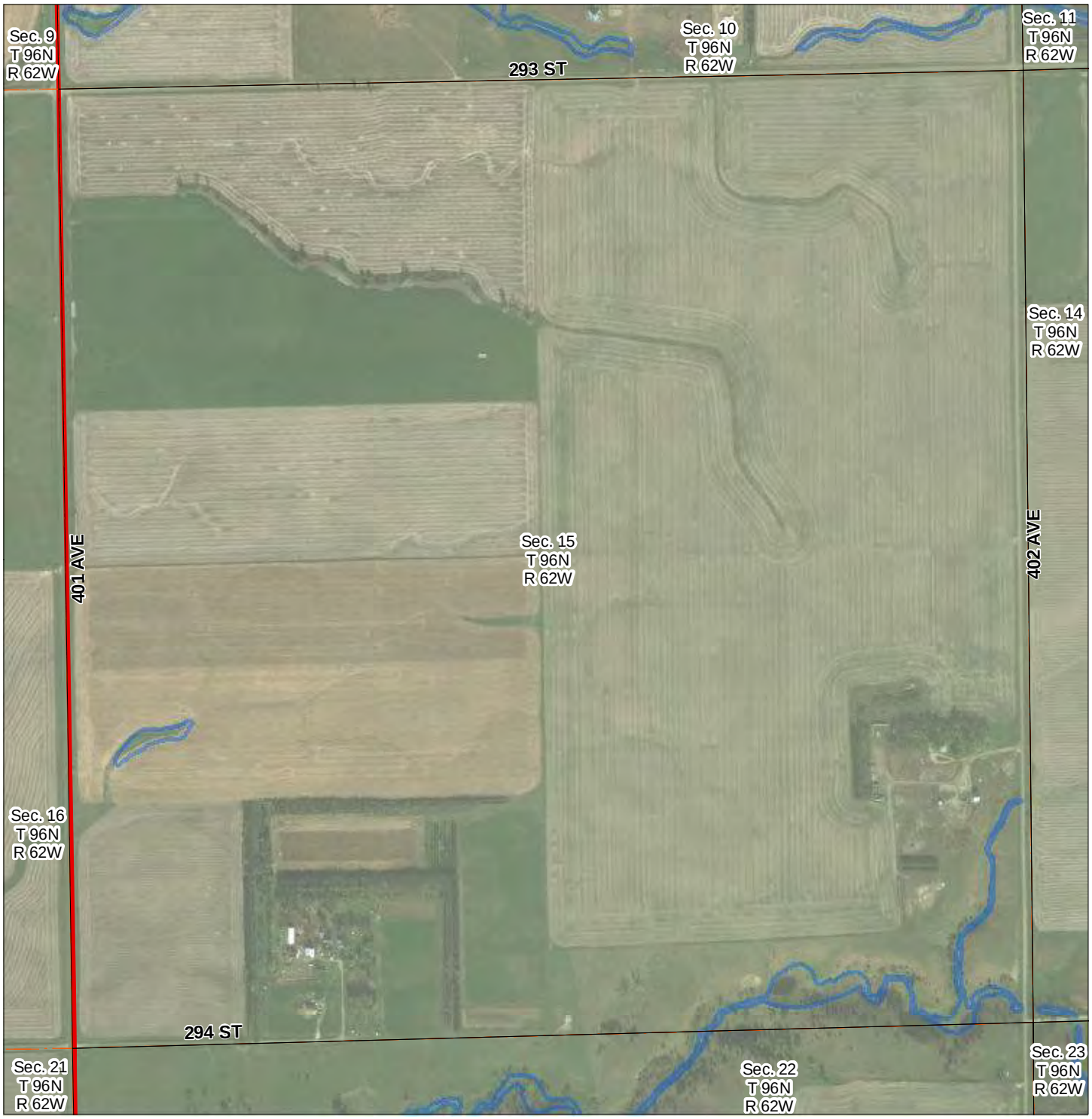

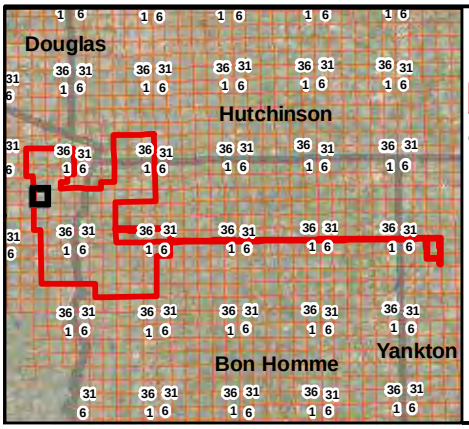

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 25

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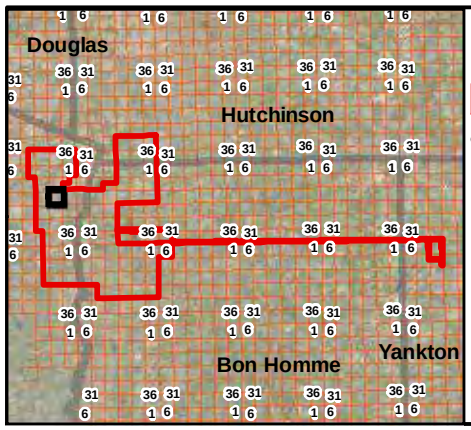

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 26

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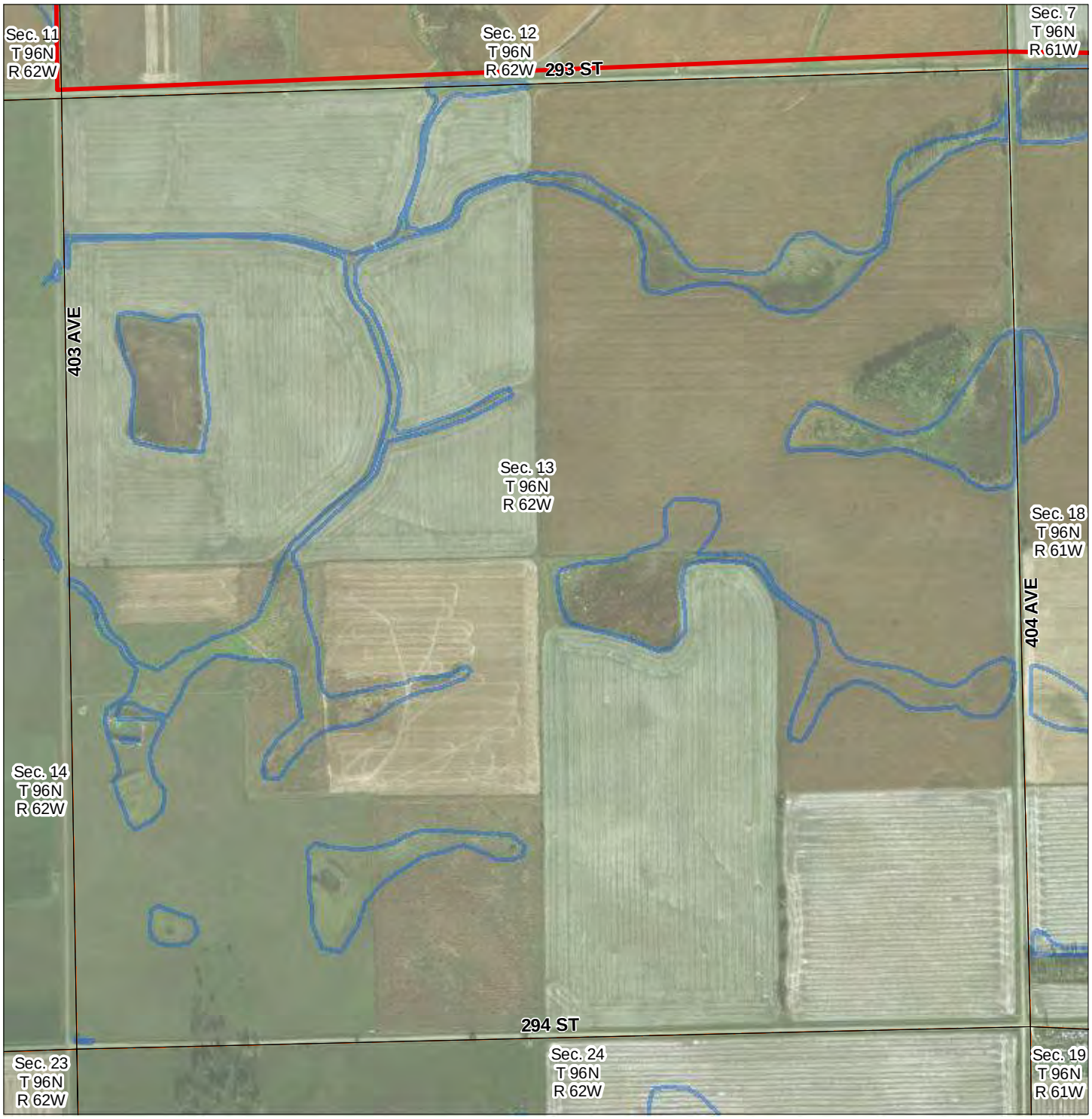

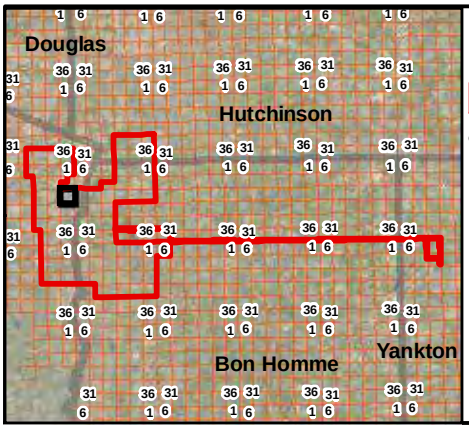

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 27

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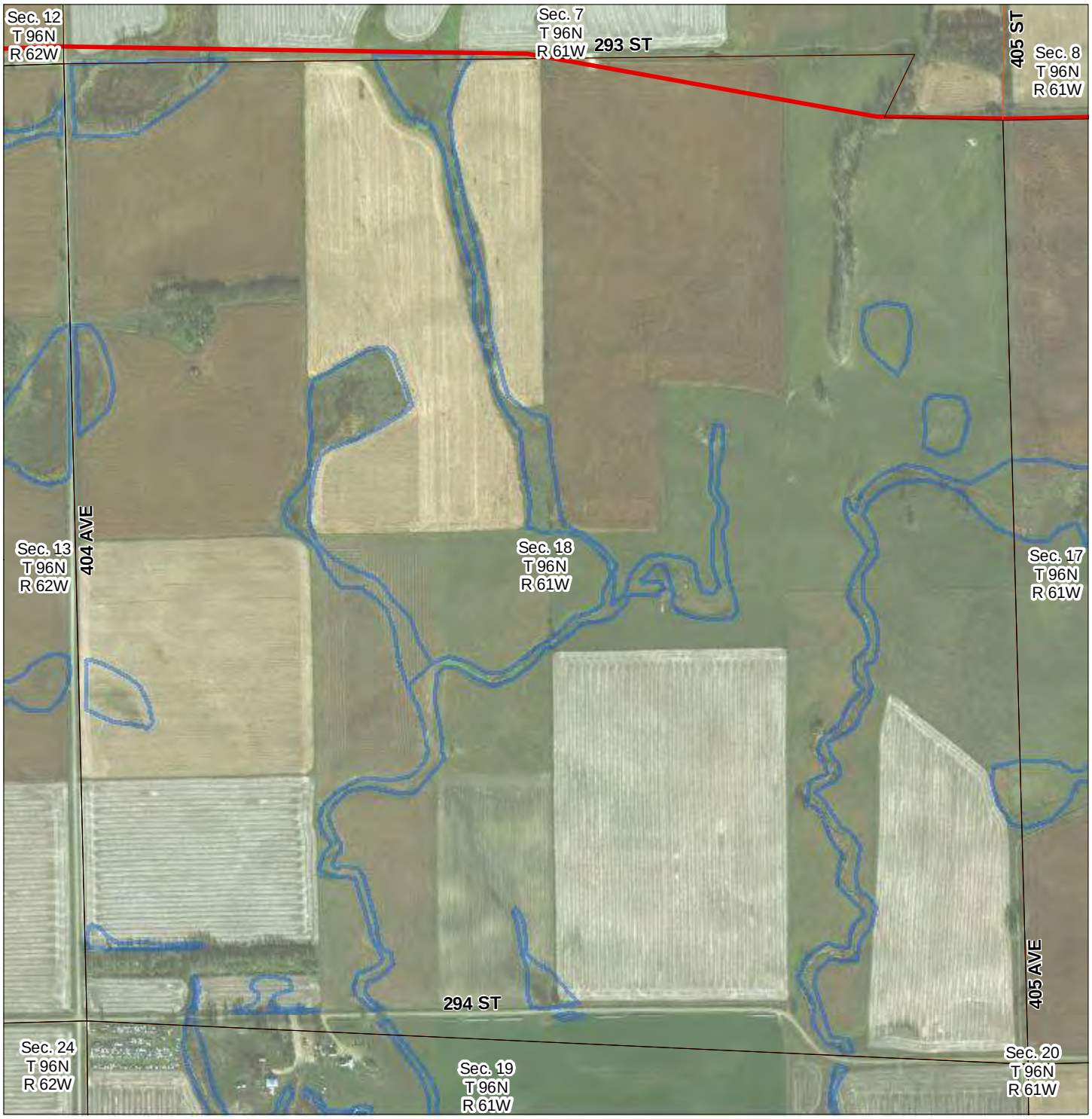

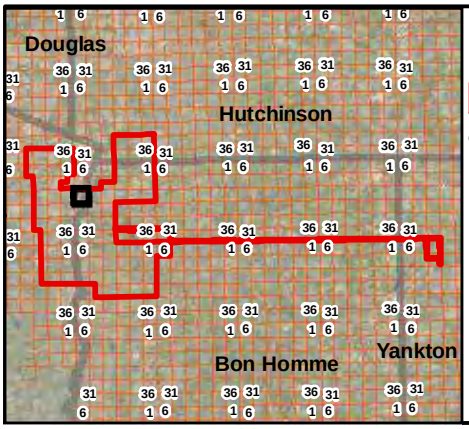

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 28

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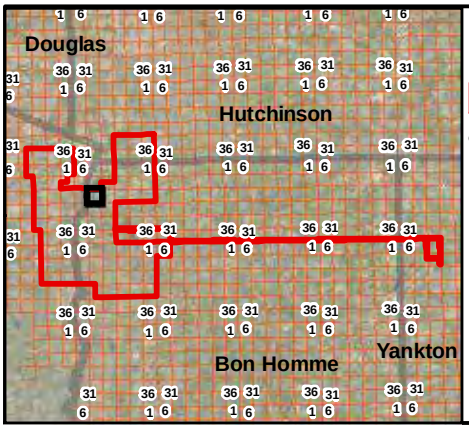

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Feet
0 800

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 29

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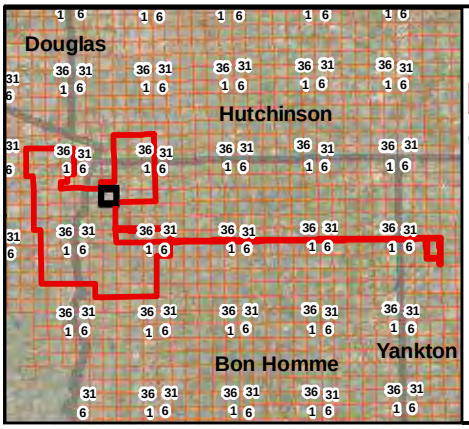

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Feet
0 800

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 30

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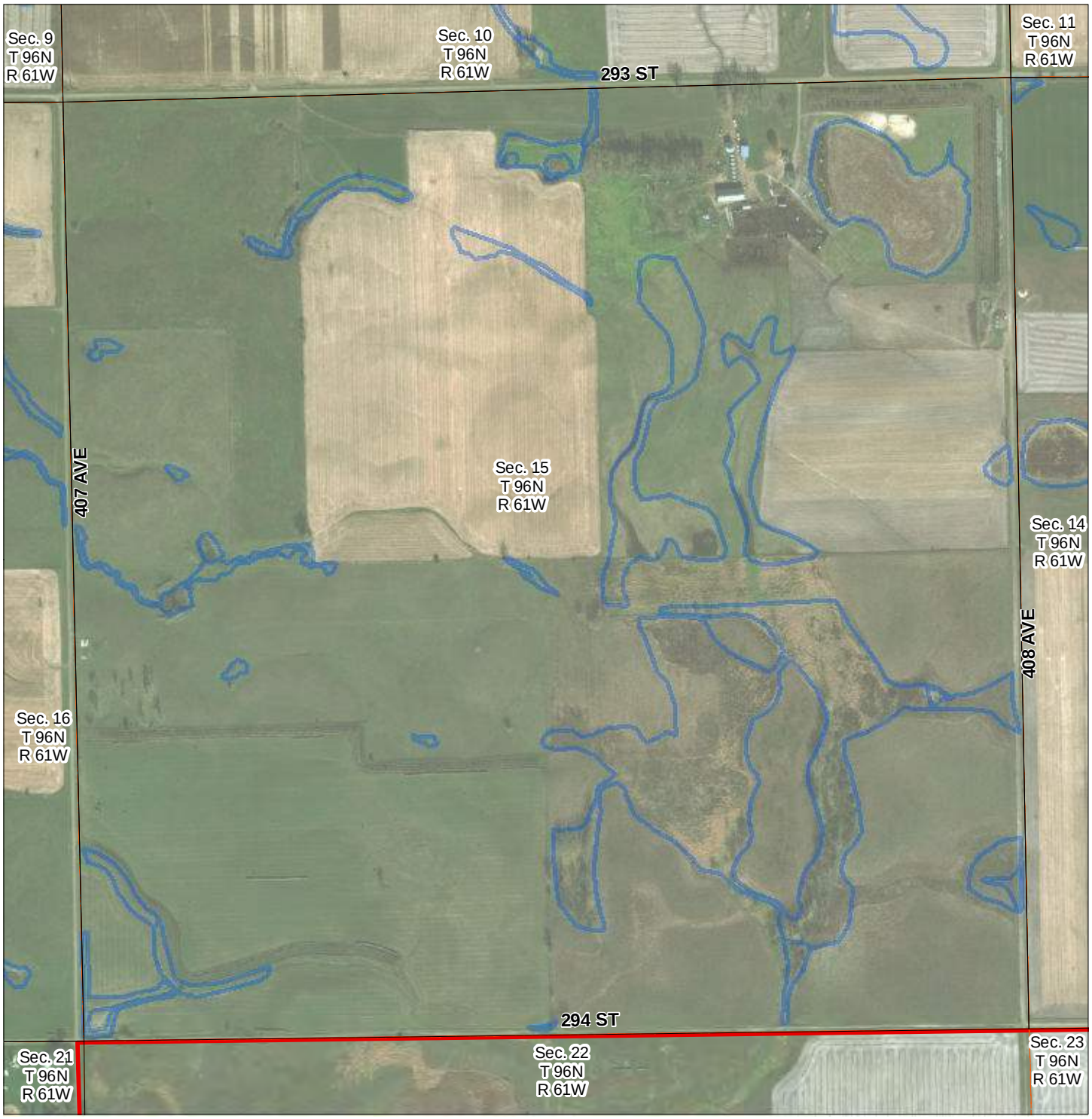

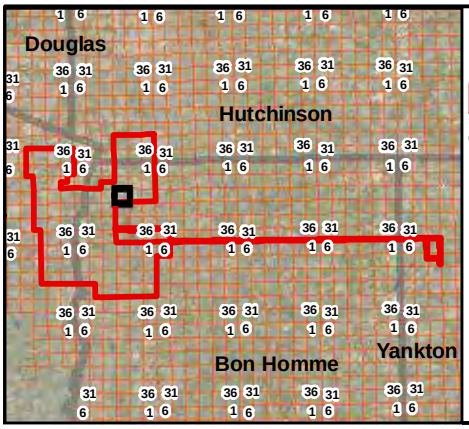

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 31

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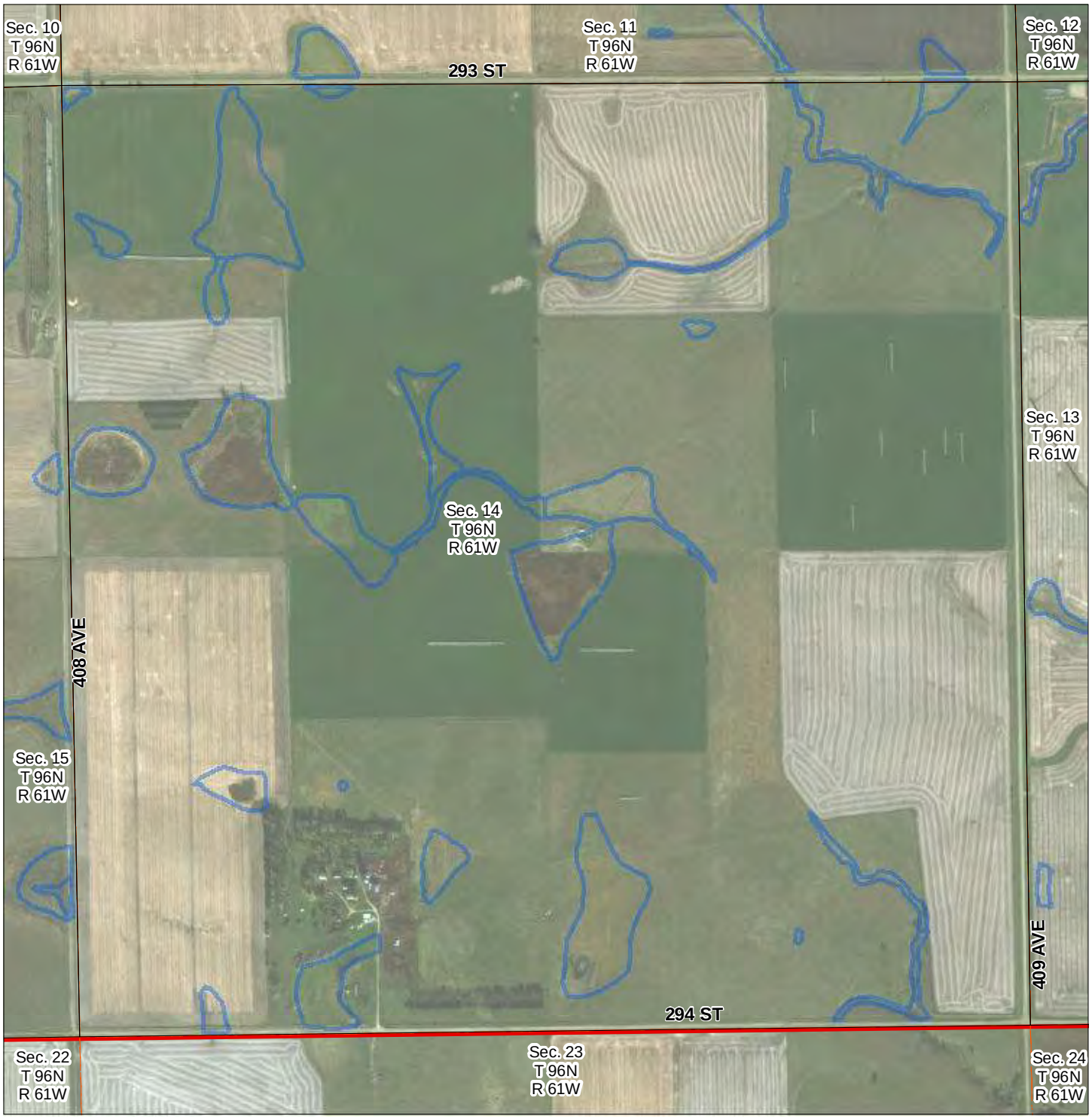

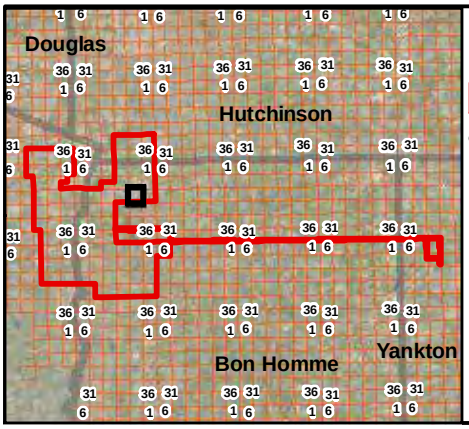

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 32

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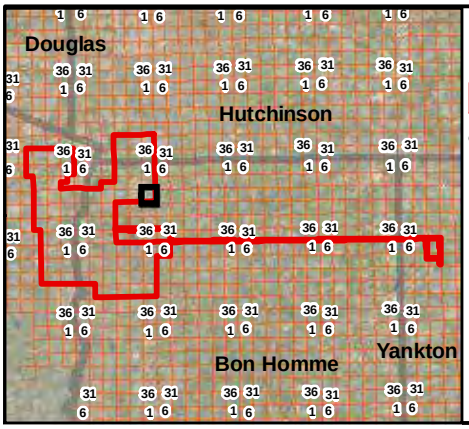

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 33

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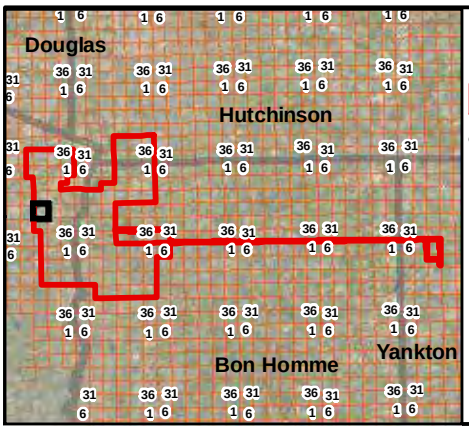

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 34

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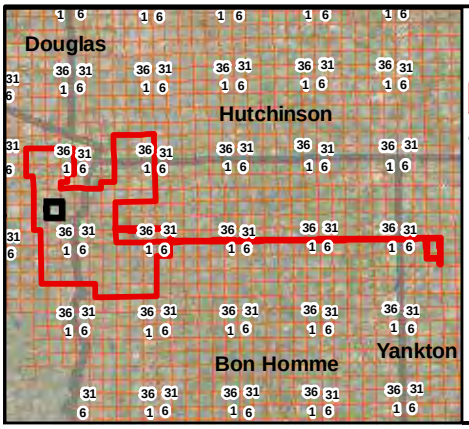

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 35

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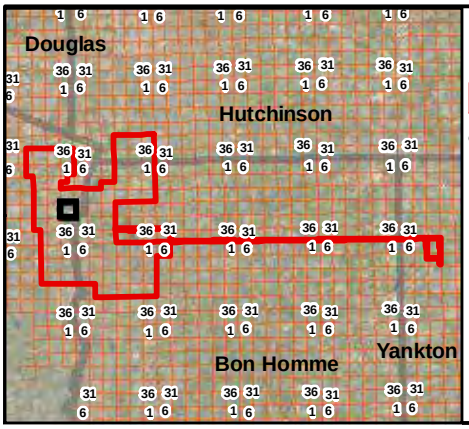


Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

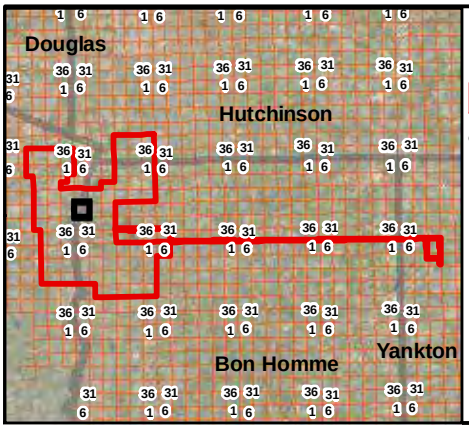
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 36

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd



Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 37

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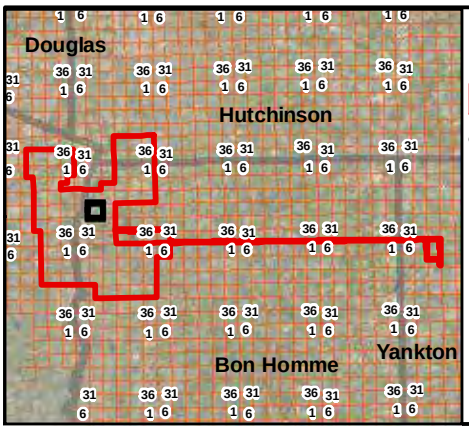

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 38

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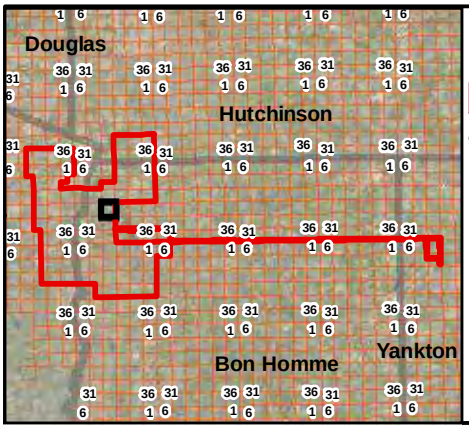

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 39

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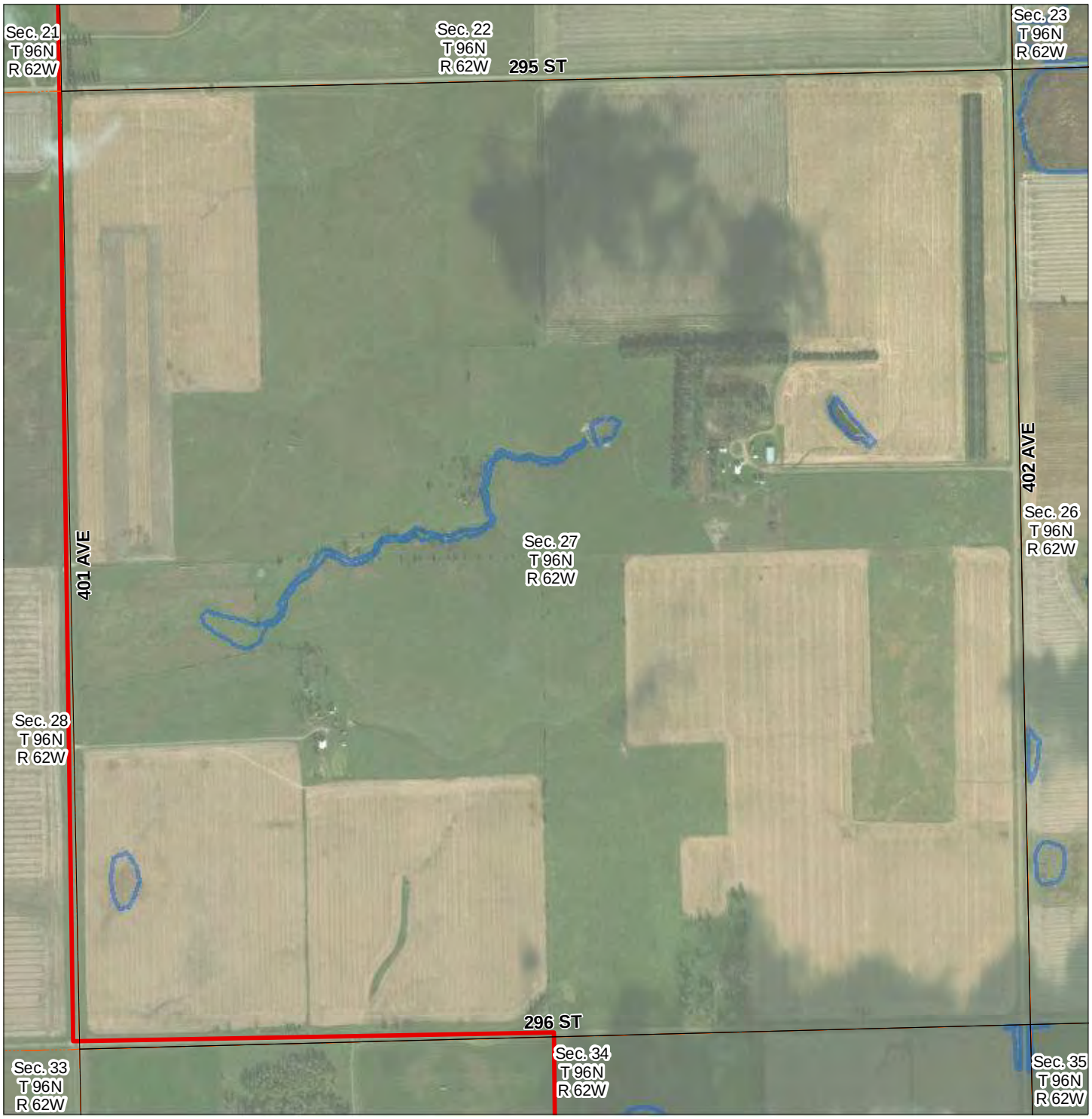

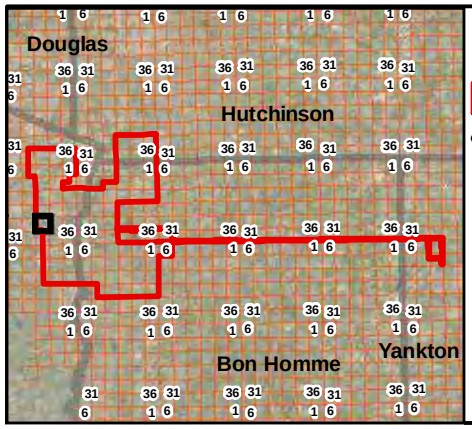

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 40

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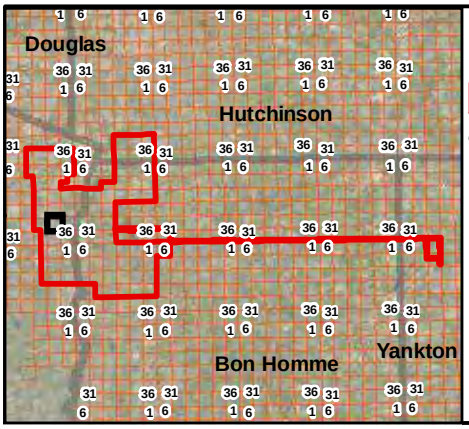

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 41

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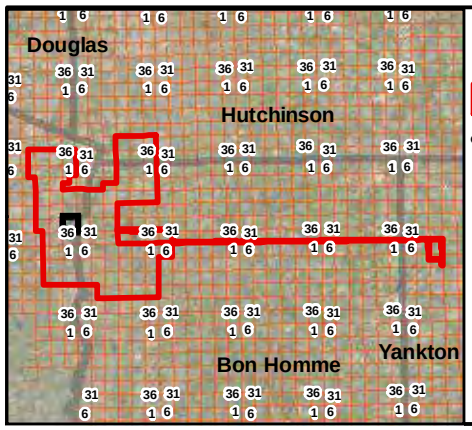


Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

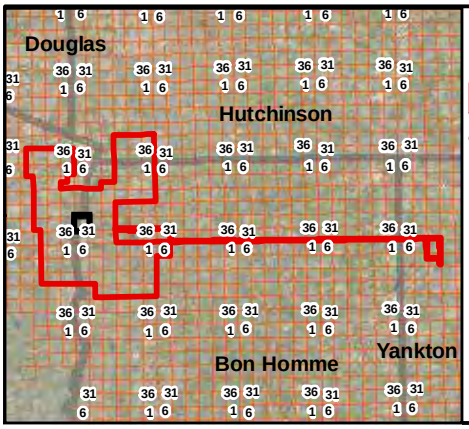
0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 42

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd



Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

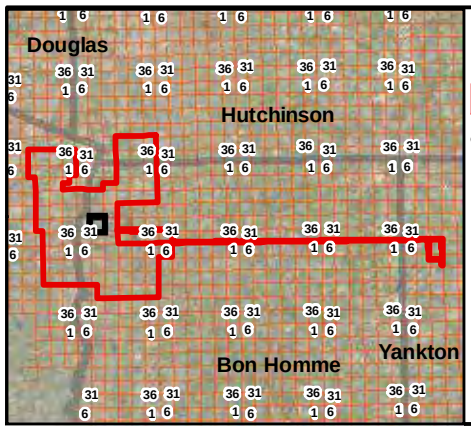
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 43

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd



Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

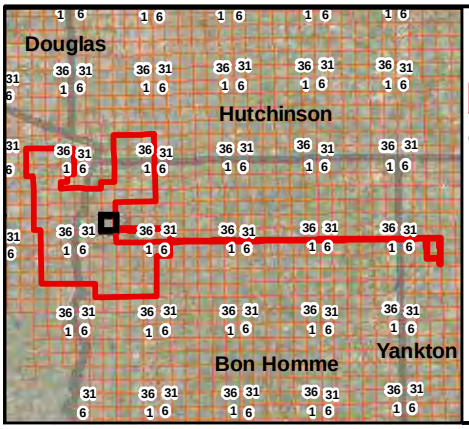
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 44

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd



Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

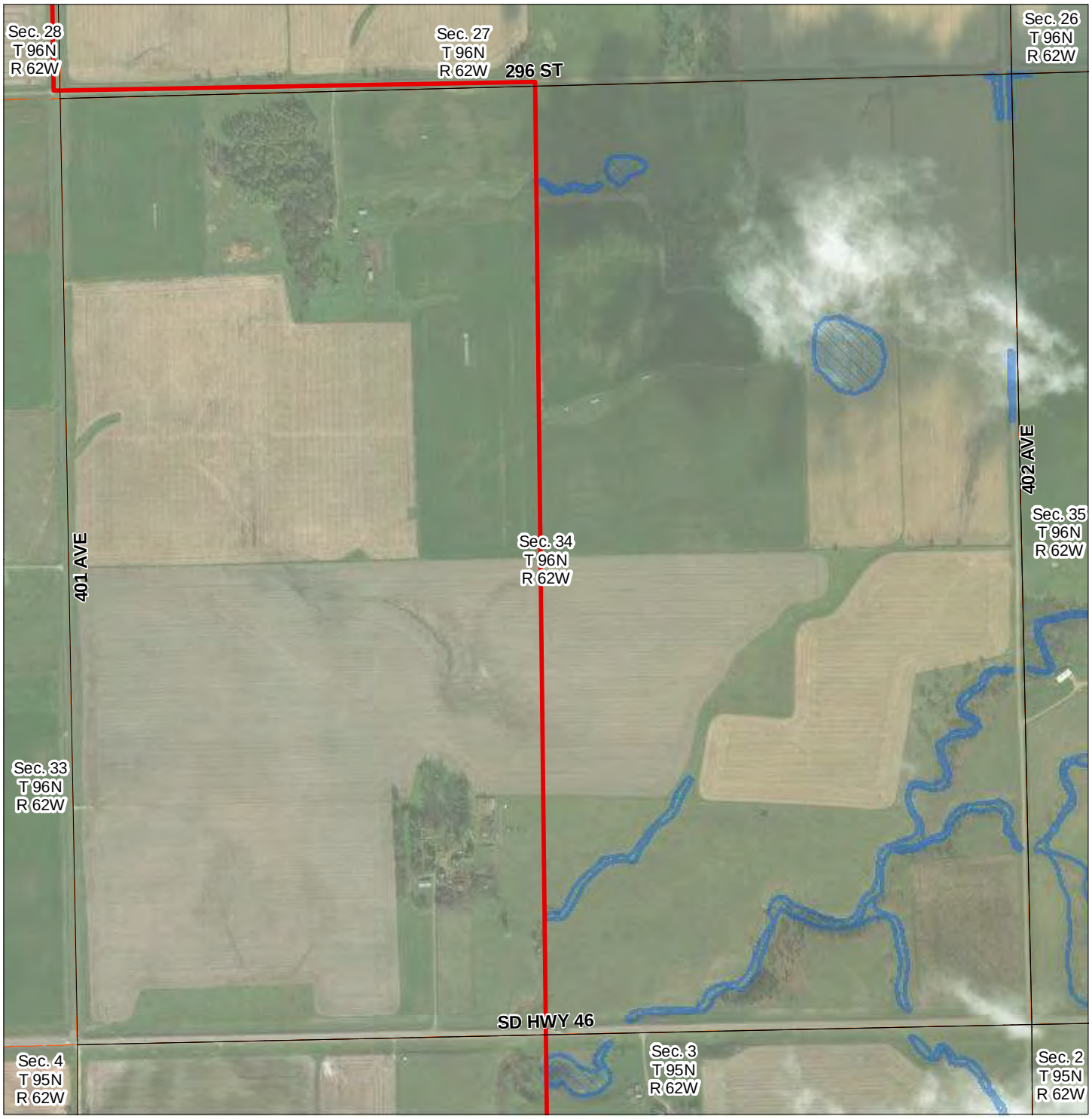
Feet
0 800

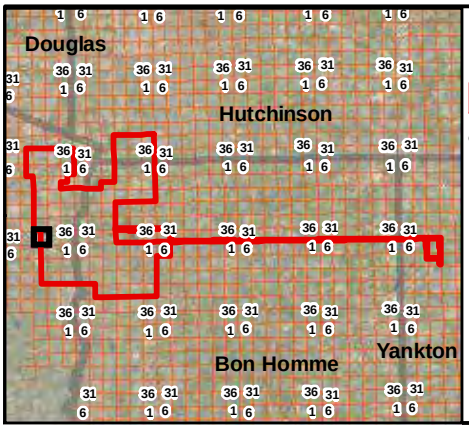
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 45

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 46

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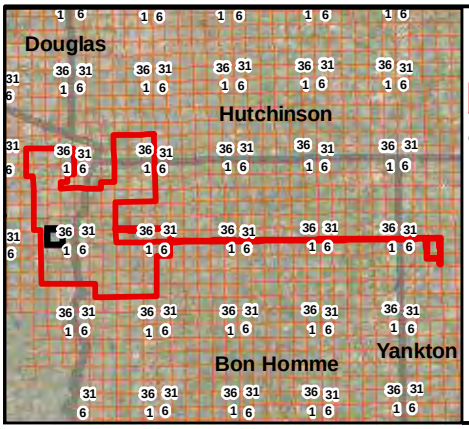


Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

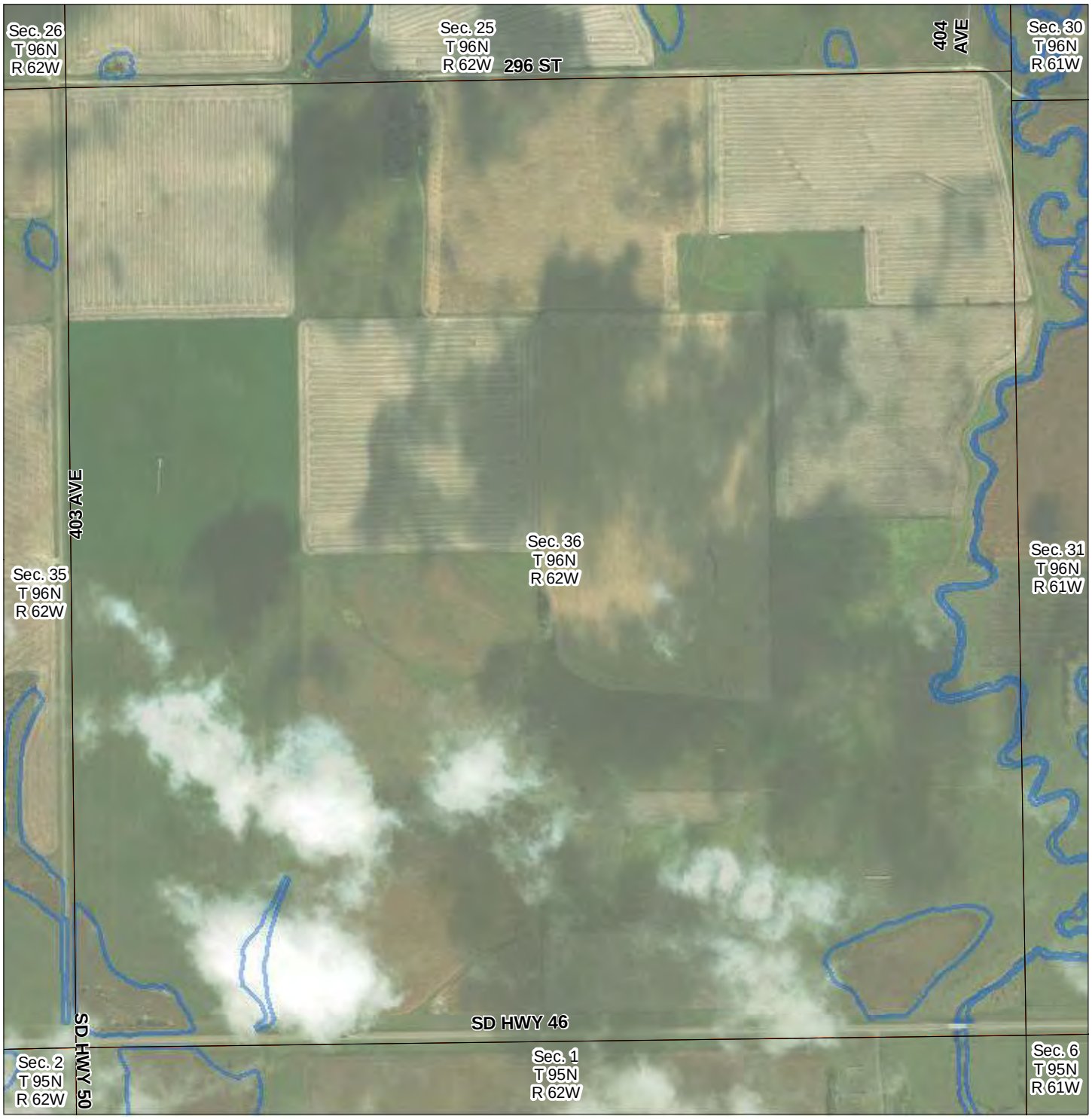
Wetland Determination Study Area (April 2018) Prevailing Wind Park

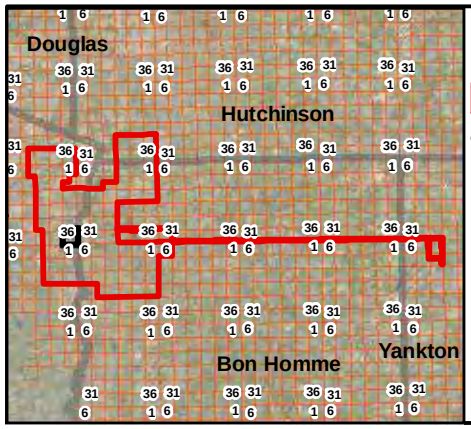
Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 47

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 48

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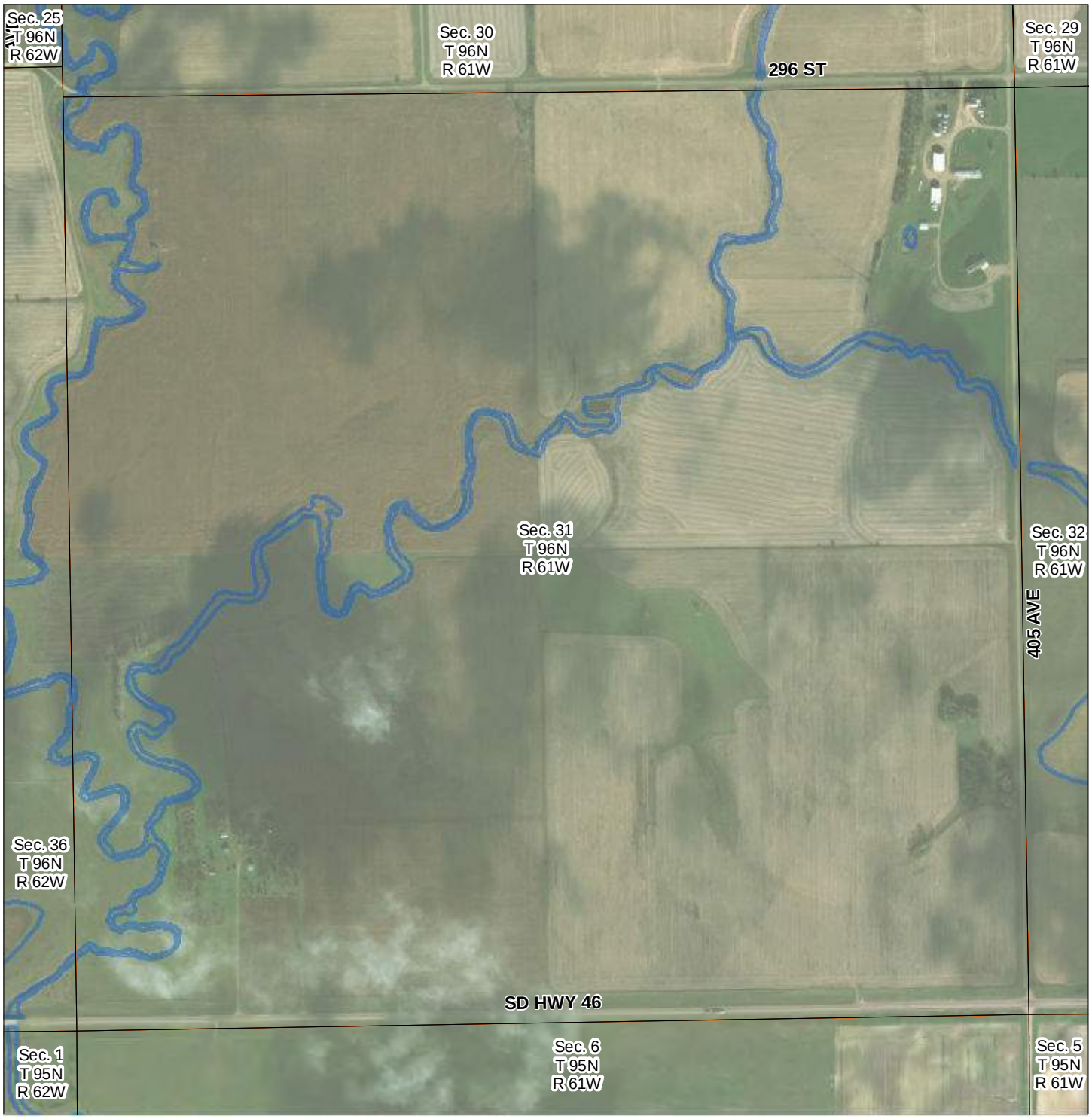

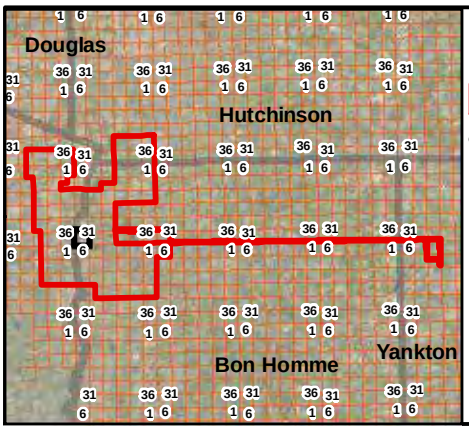

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 49

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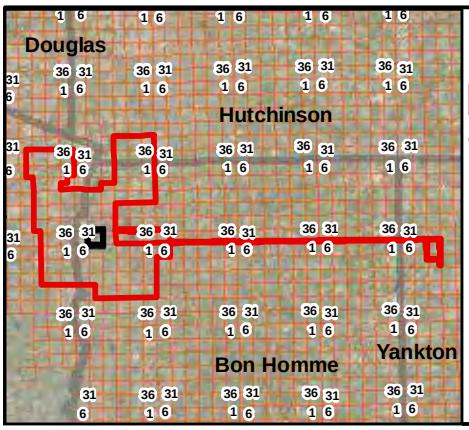

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 50

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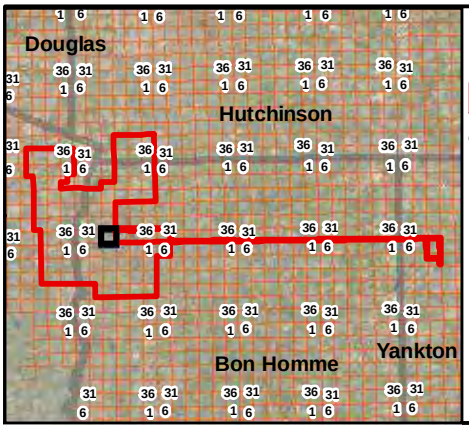

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 51

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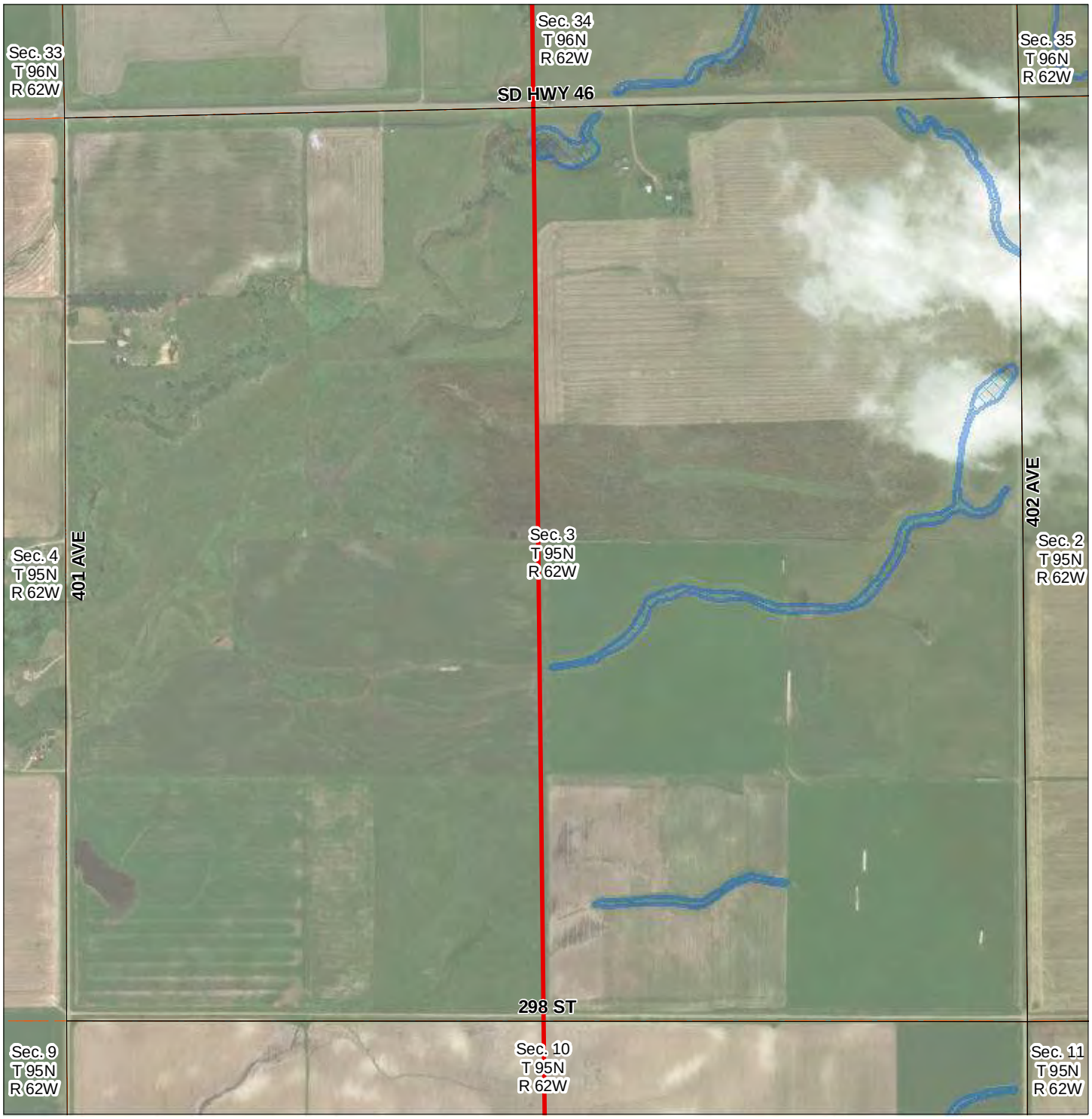

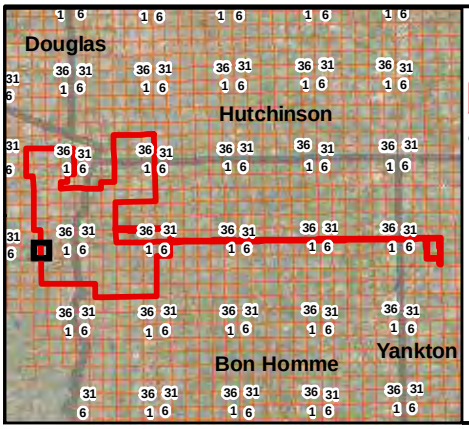

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Feet
0 800

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 52

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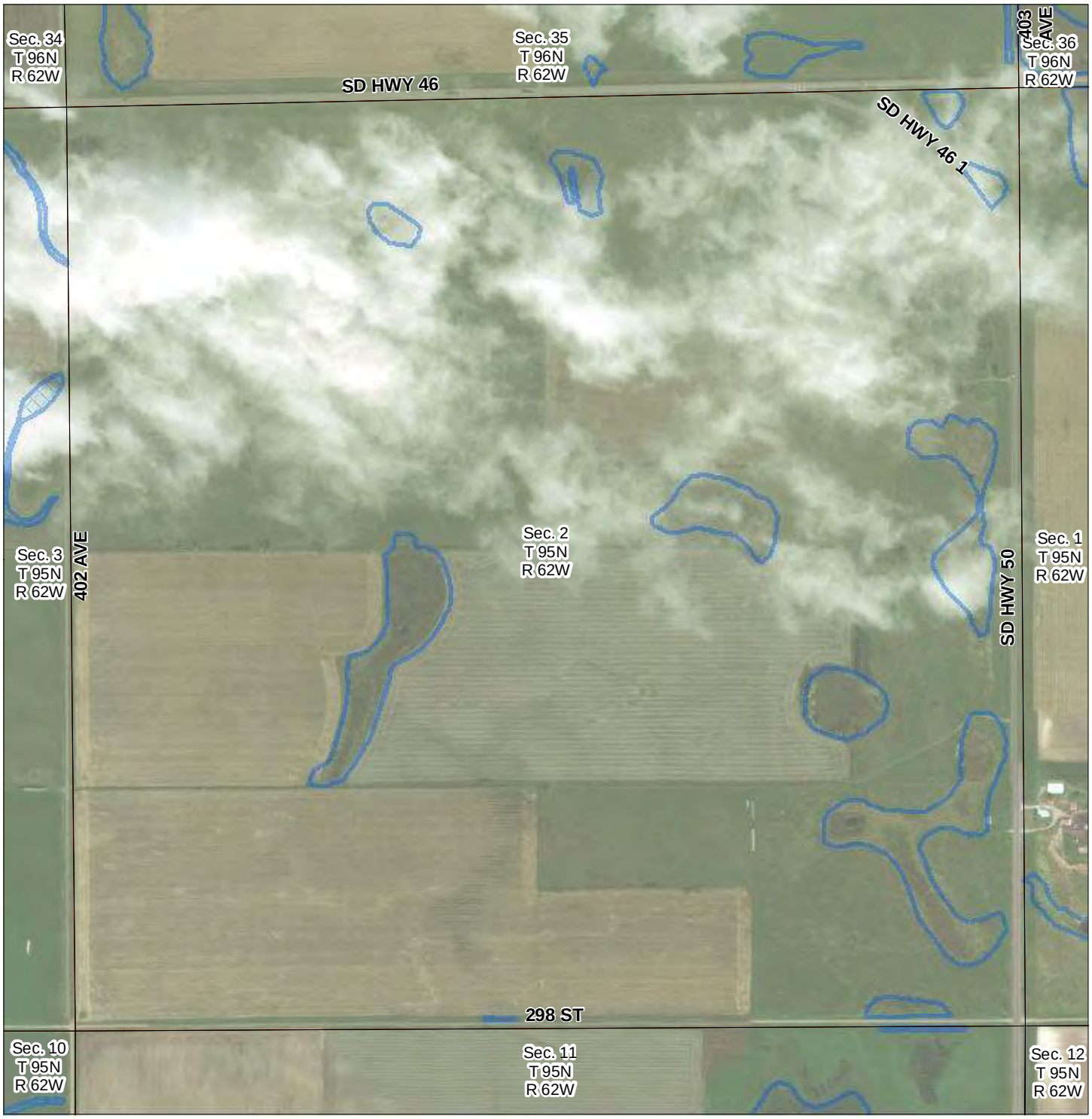

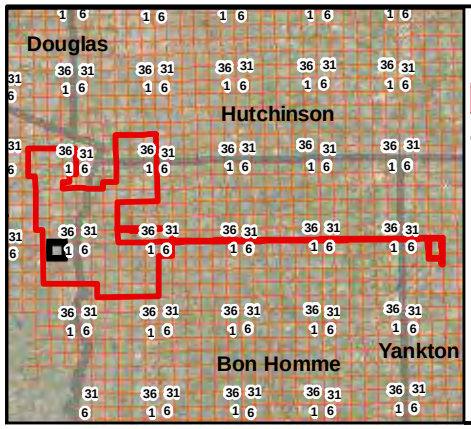

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 53

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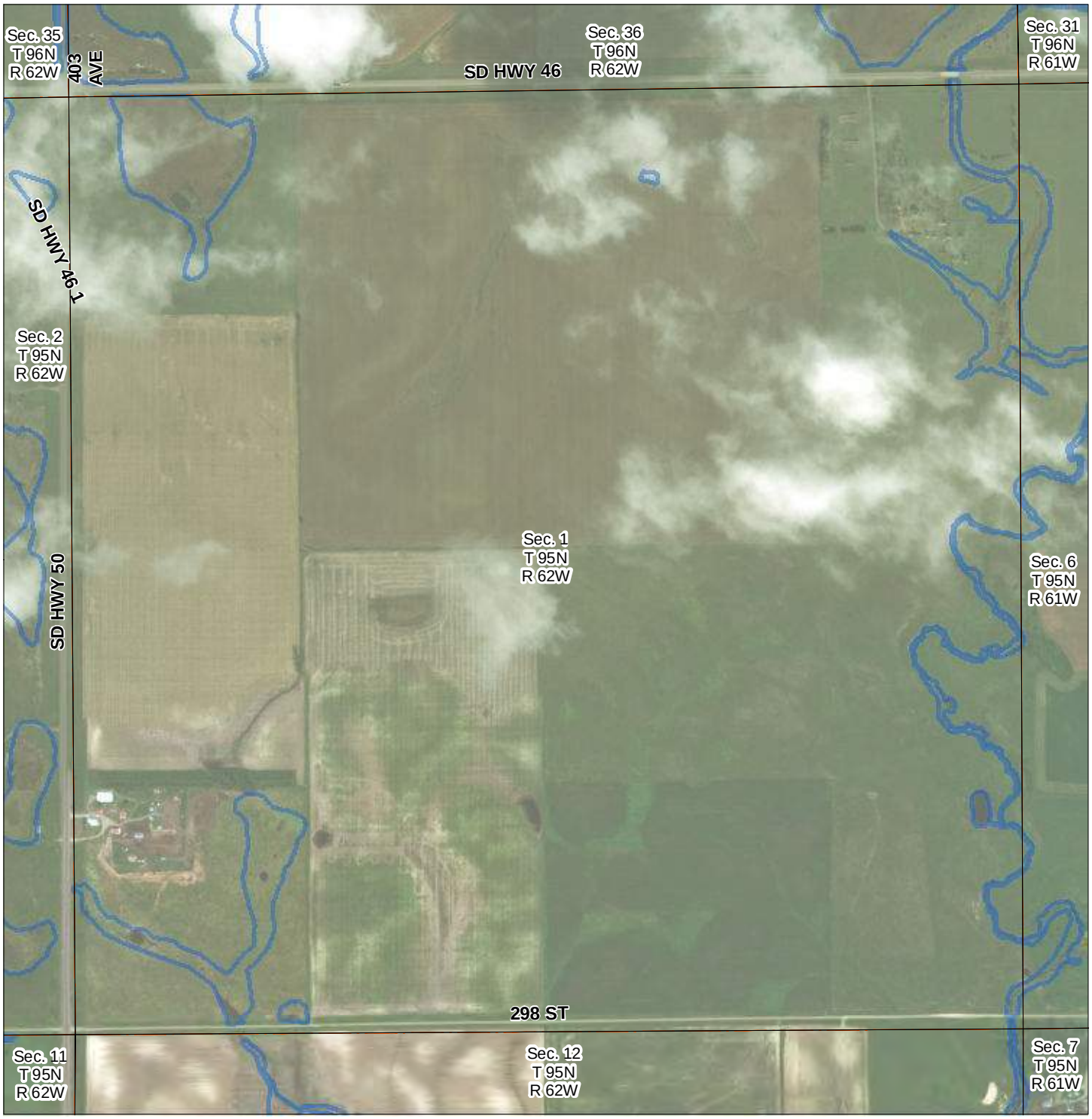

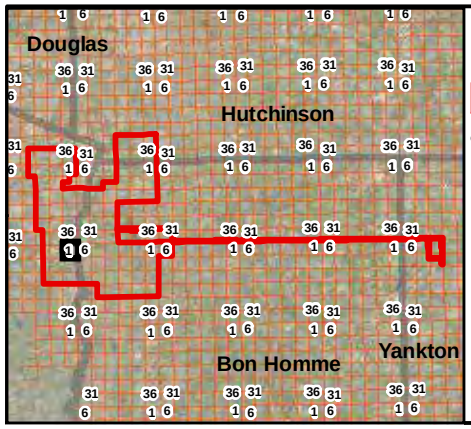

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 54

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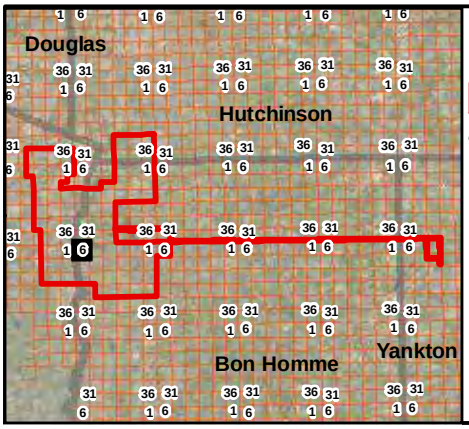


Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

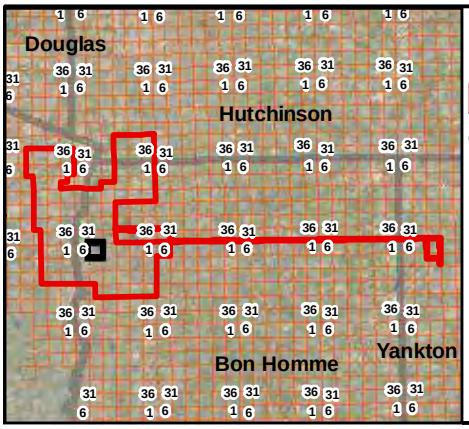
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 55

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd



Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

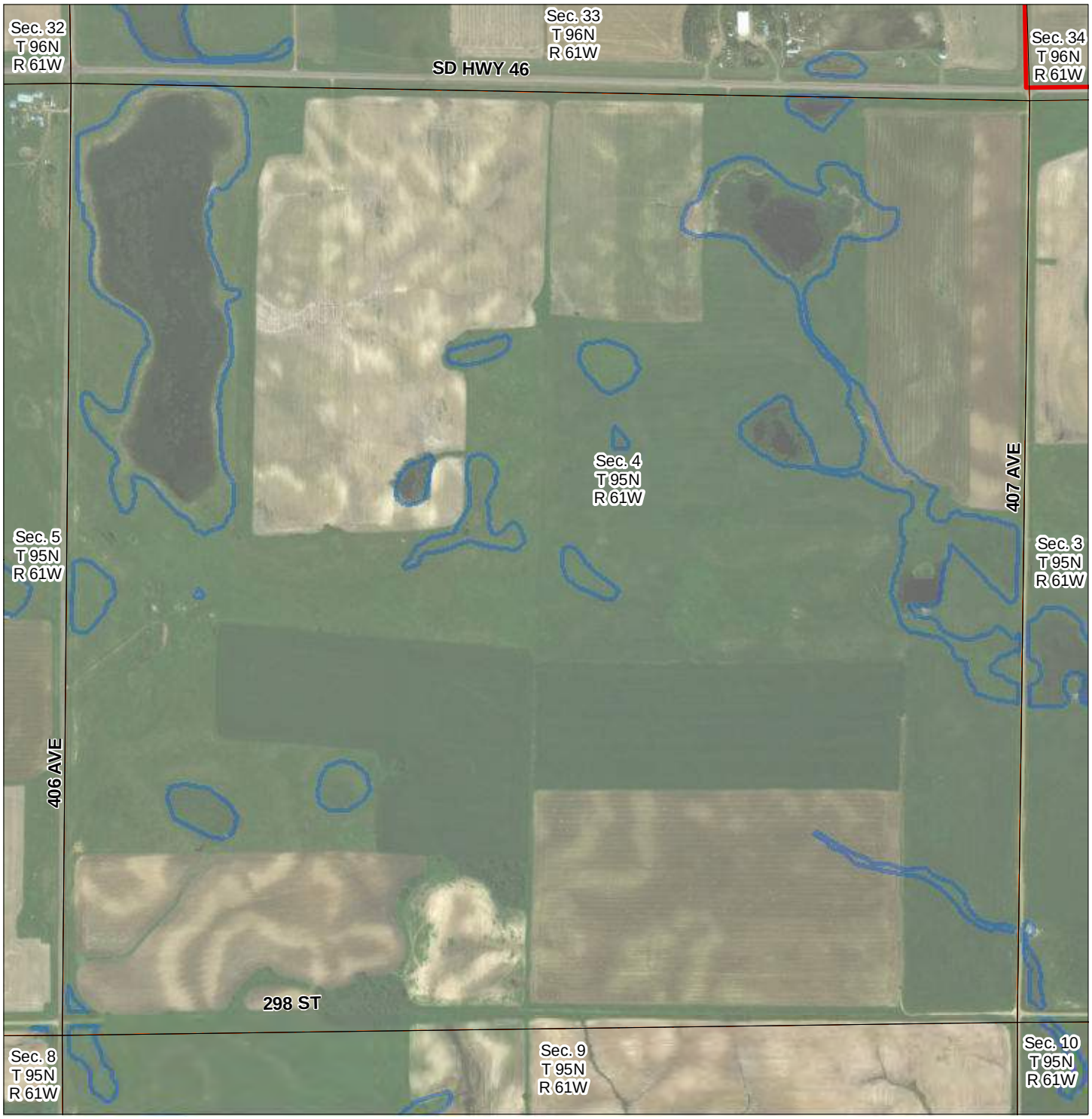
Wetland Determination Study Area (April 2018) Prevailing Wind Park

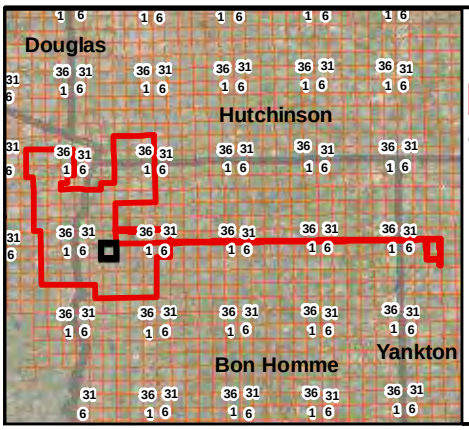
Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 56

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 57

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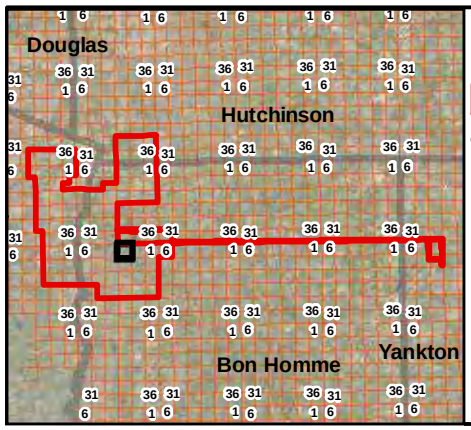


Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

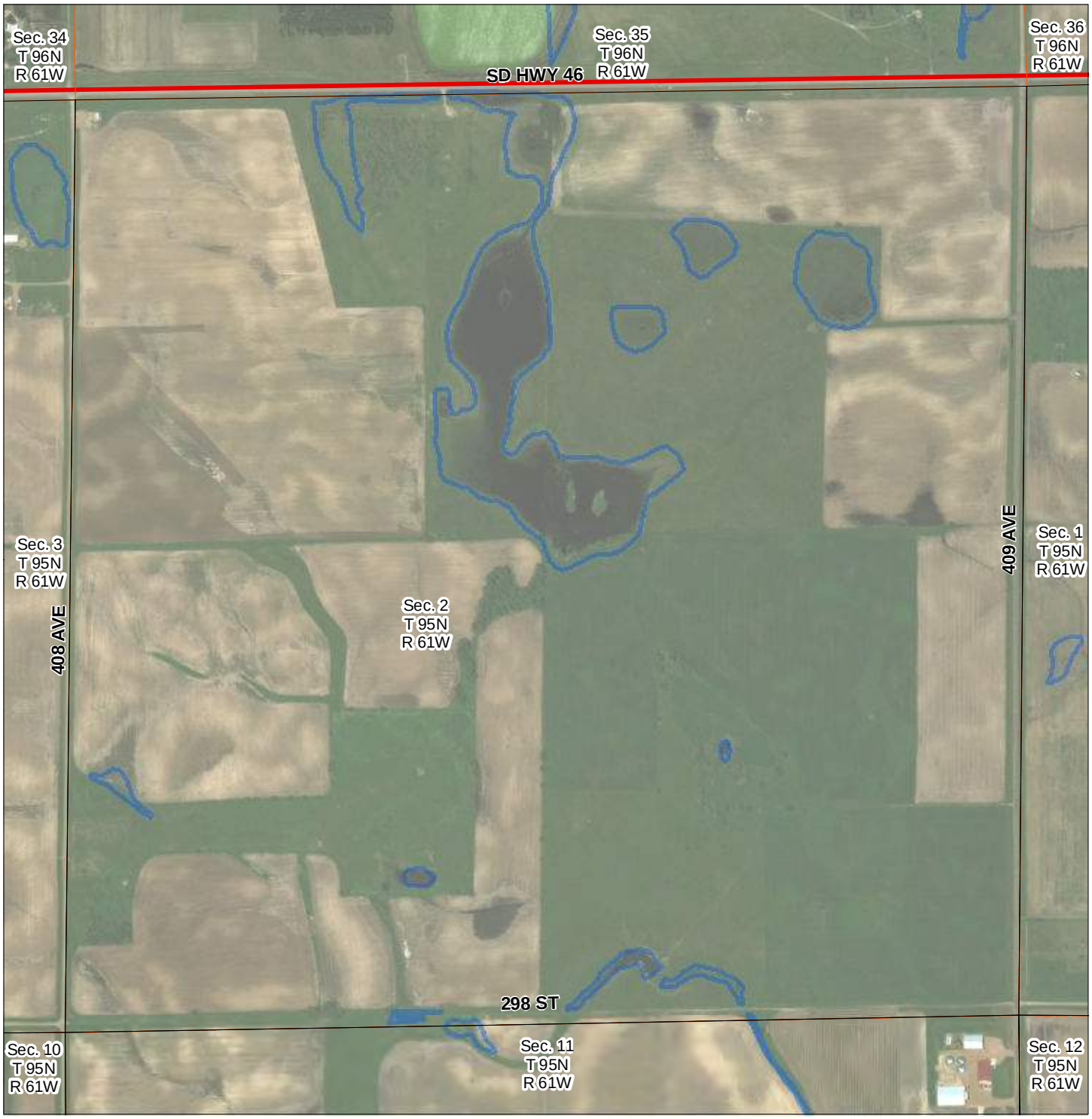
Wetland Determination Study Area (April 2018) Prevailing Wind Park

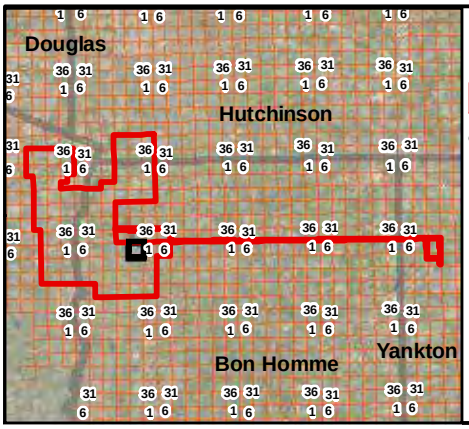
Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 58

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

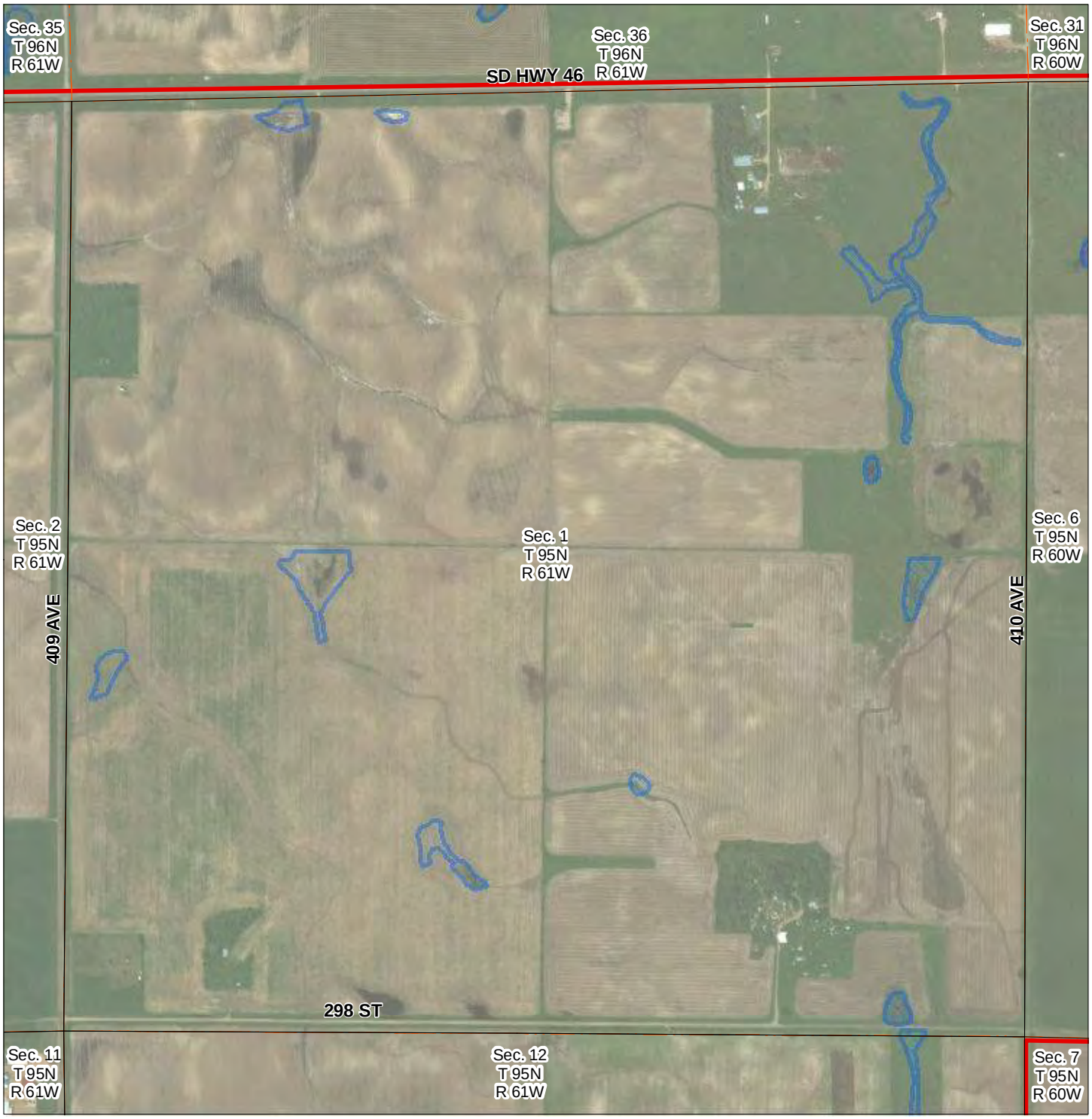
0 800 Feet

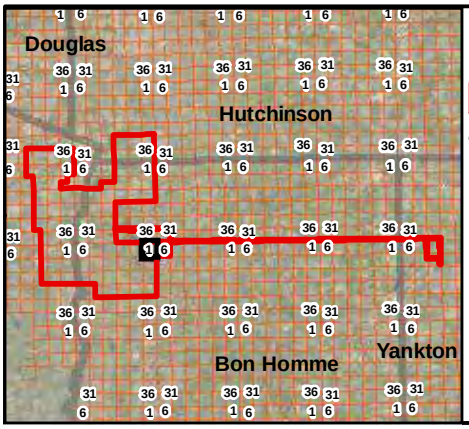
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 59

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

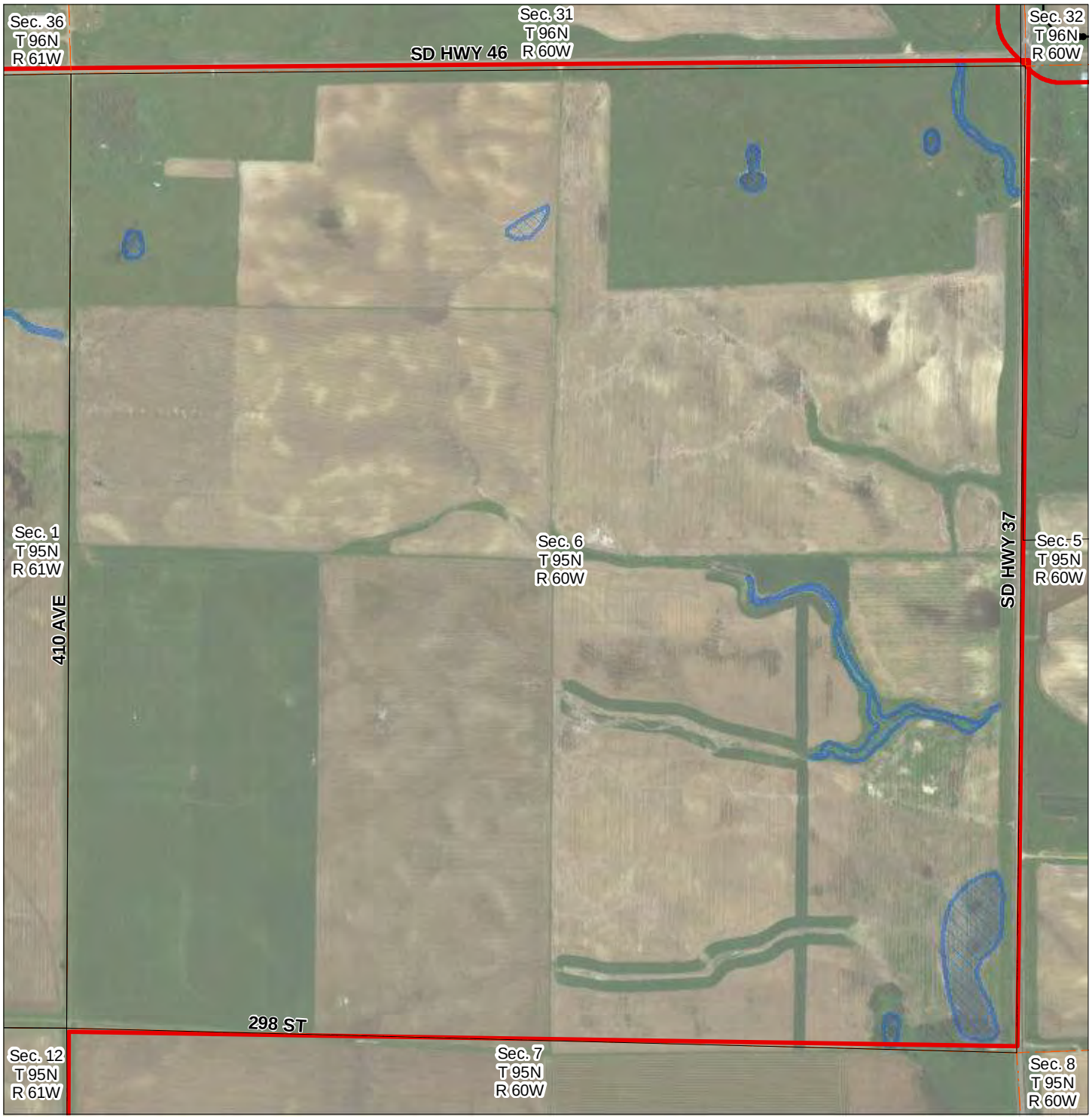
0 800 Feet

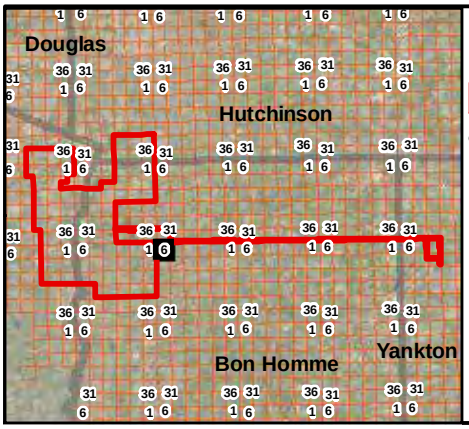
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 60

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

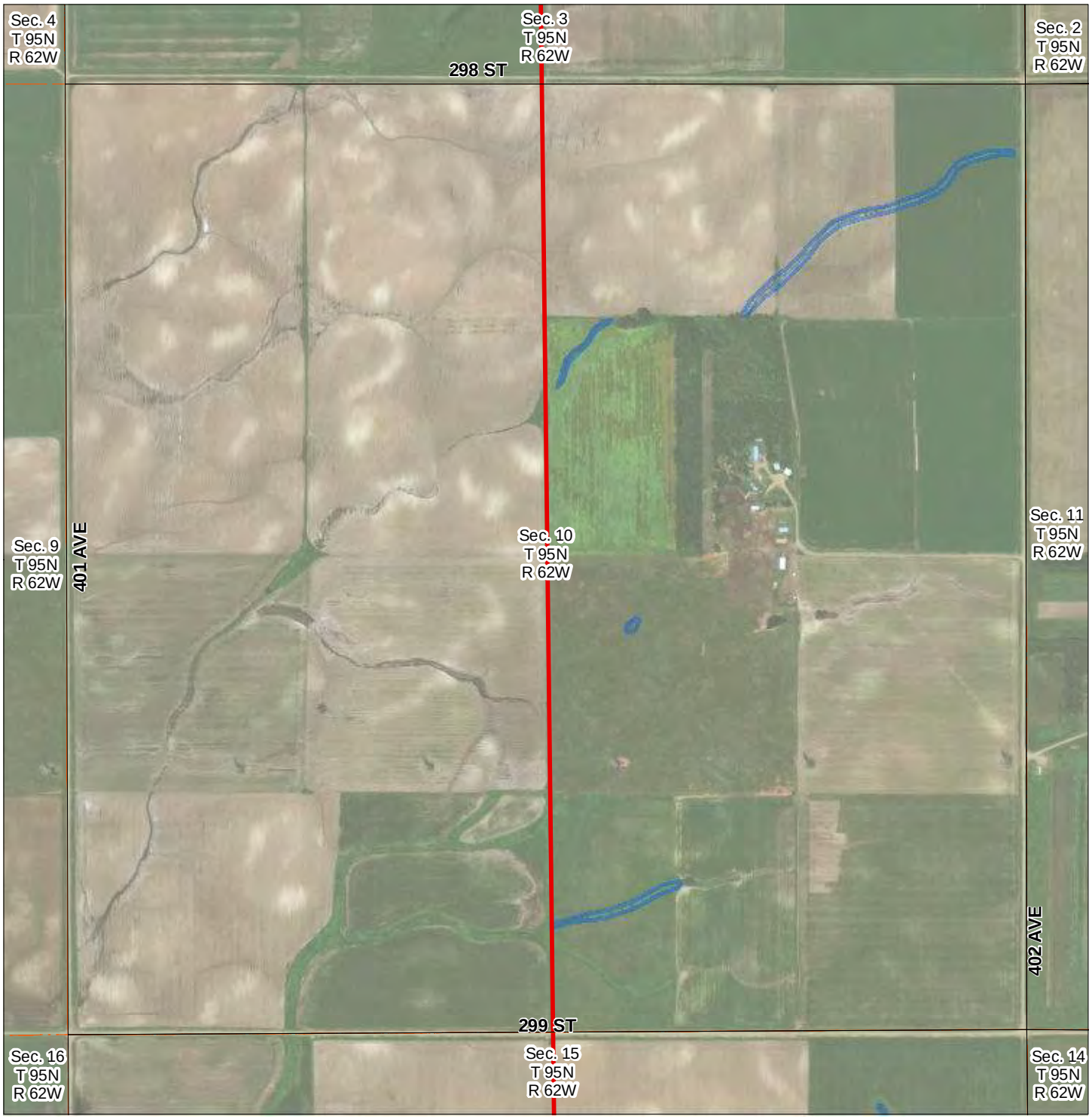
0 800 Feet

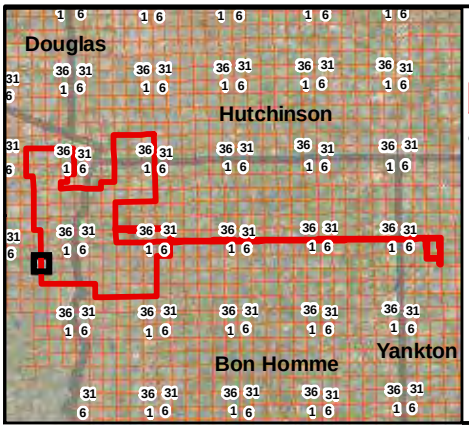
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 61

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Feet
0 800

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 62

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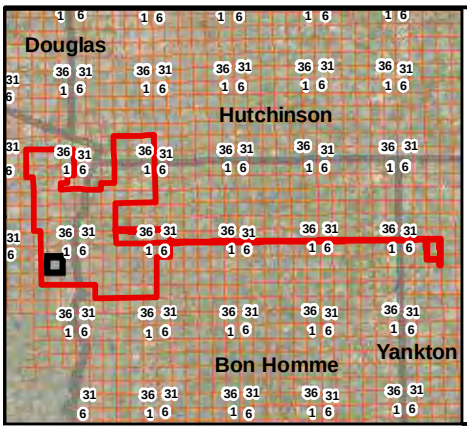


Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

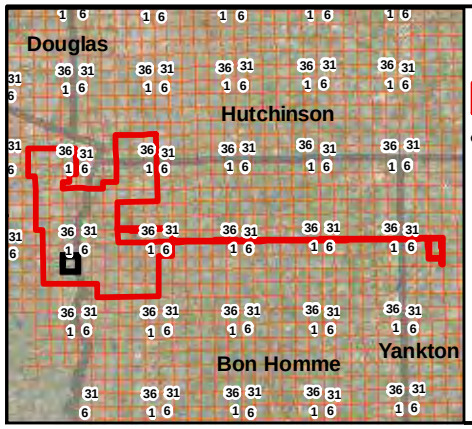
0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 63

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd



Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 64

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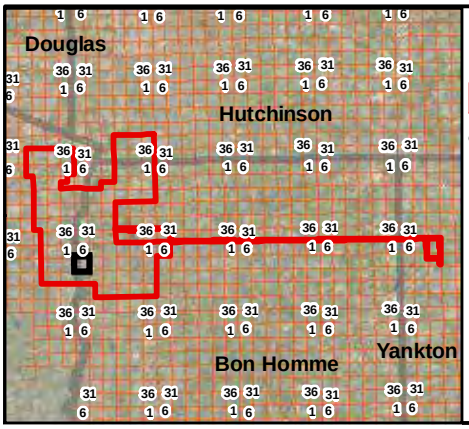

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 65

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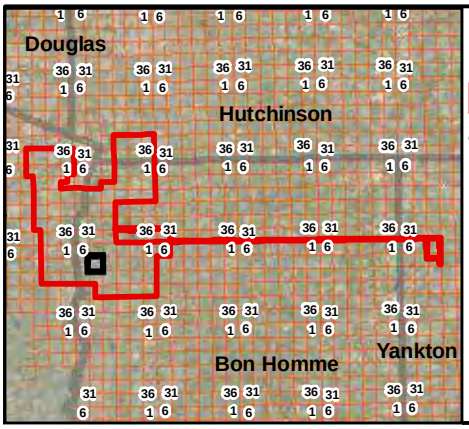

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 66

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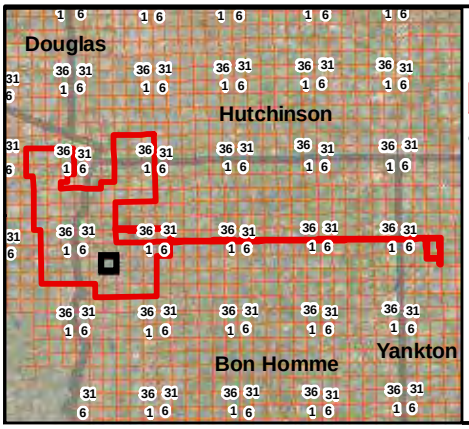

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 67

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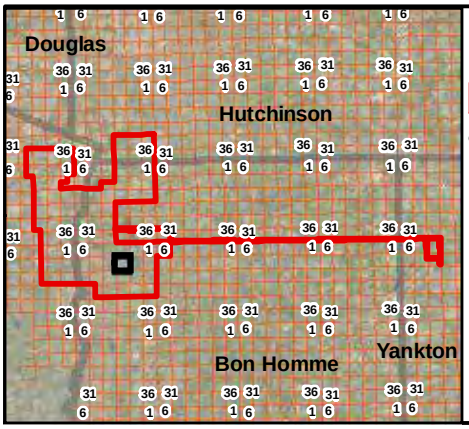

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 68

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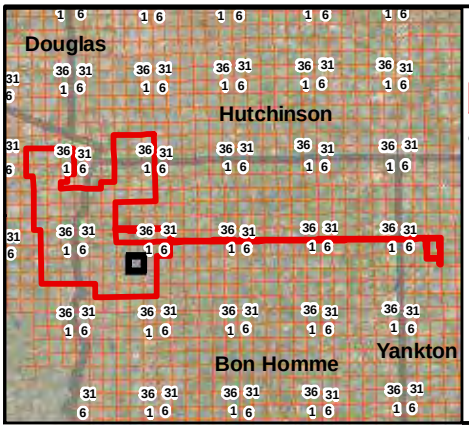

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 69

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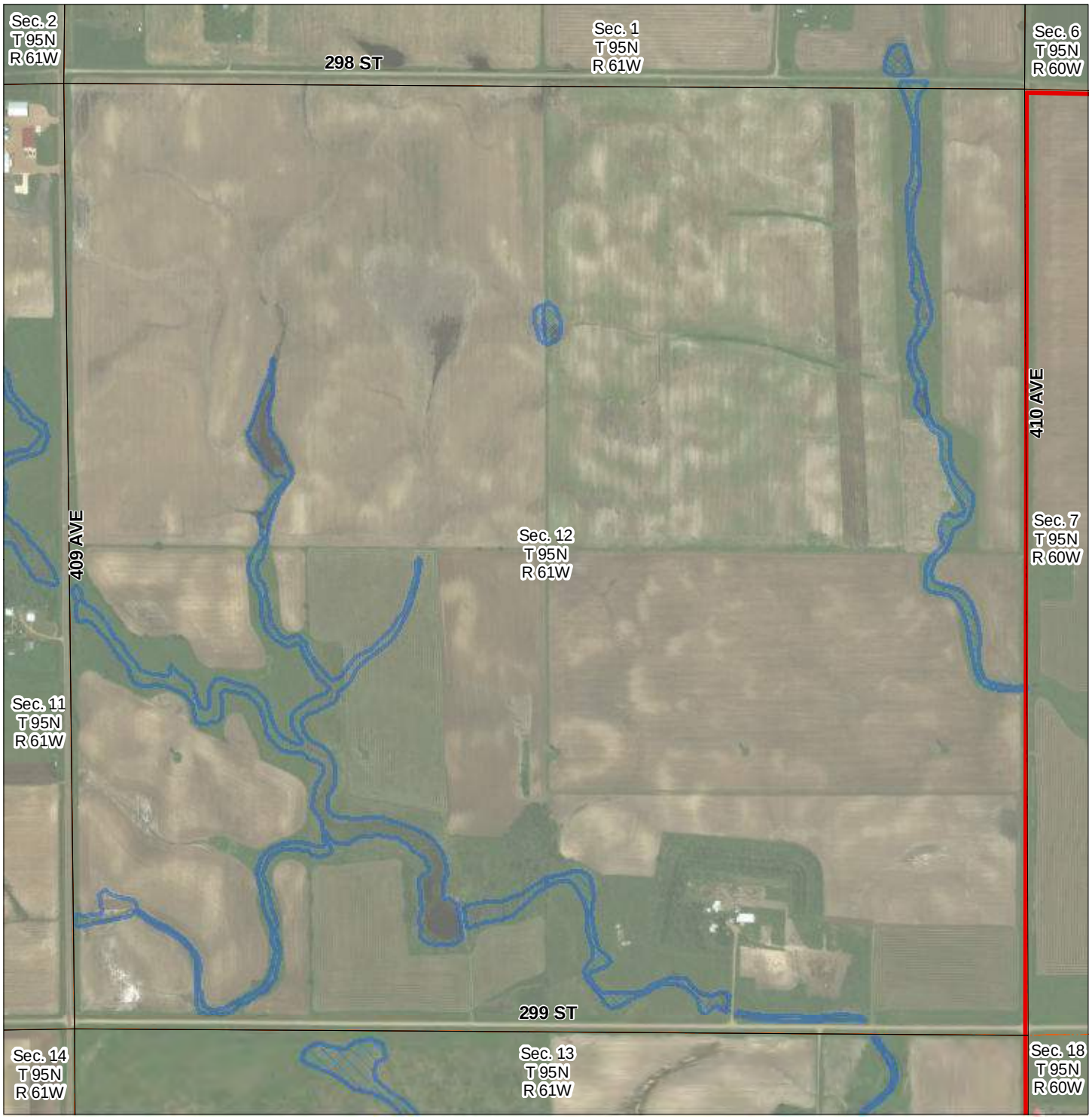

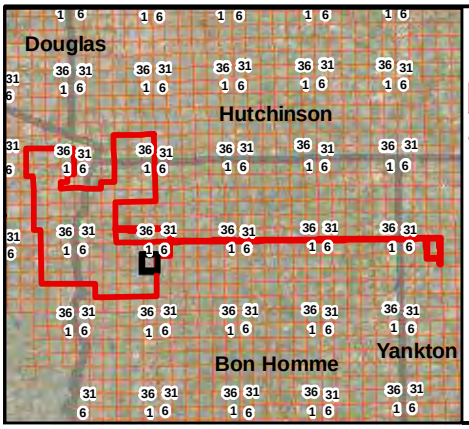

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 70

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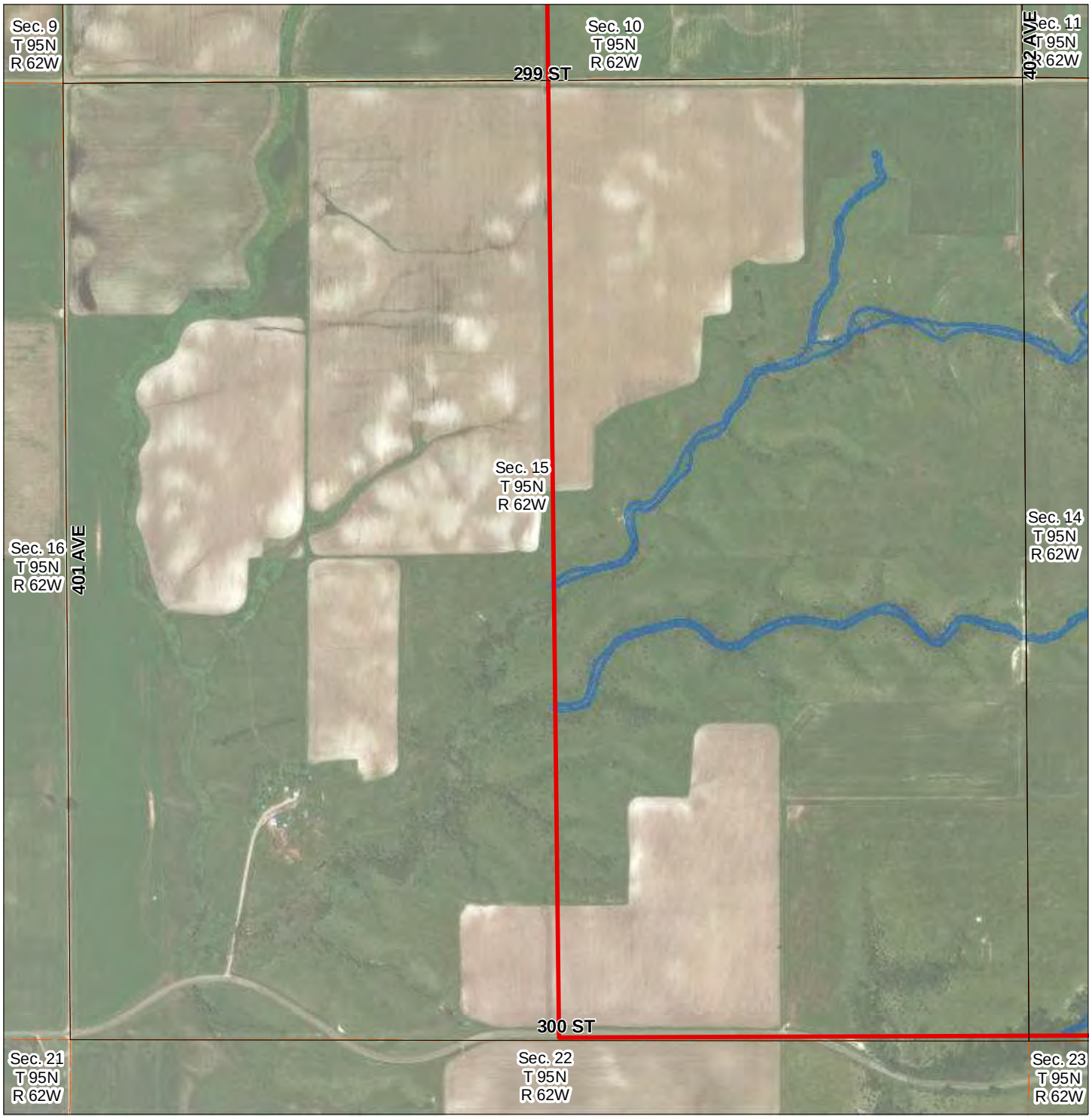

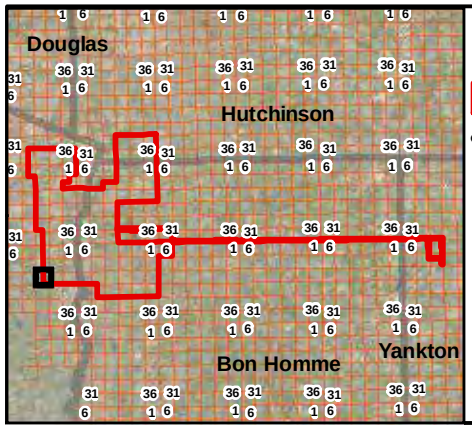

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 71

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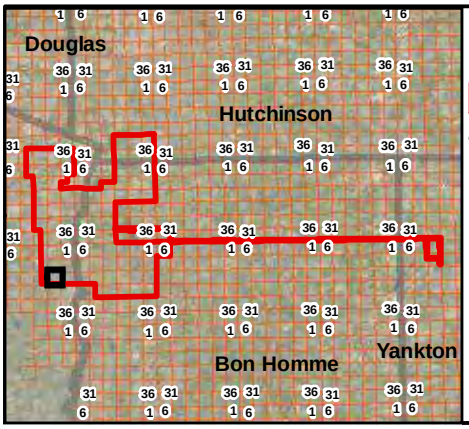

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 72

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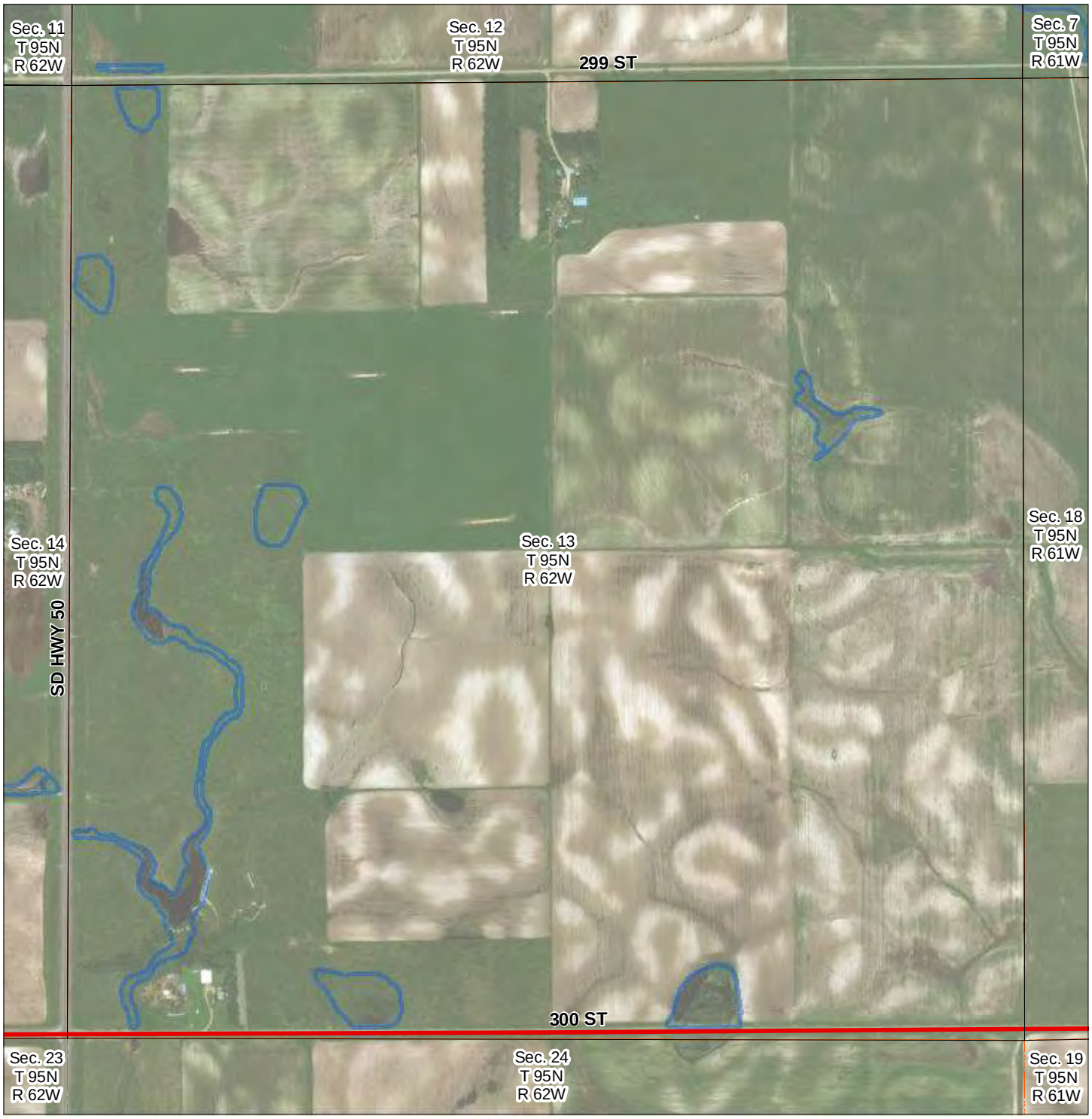

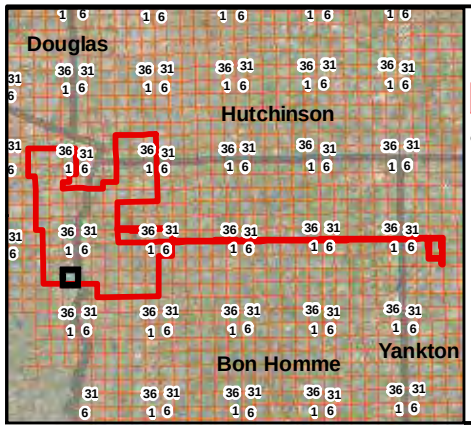

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 73

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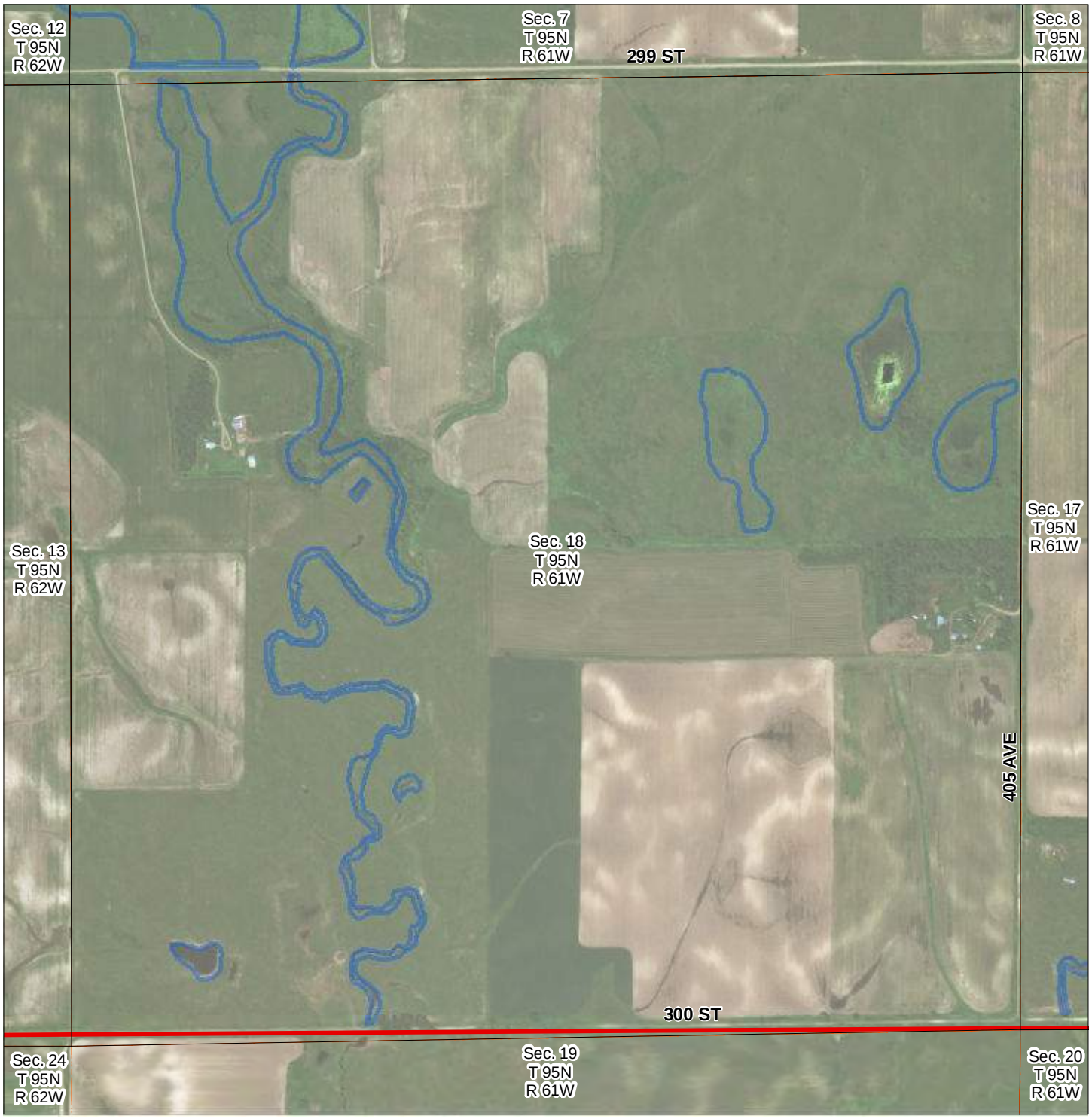

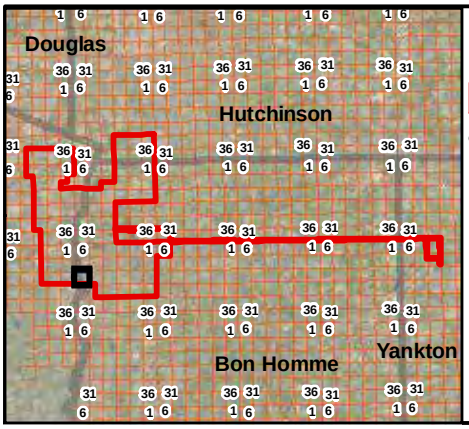

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 74

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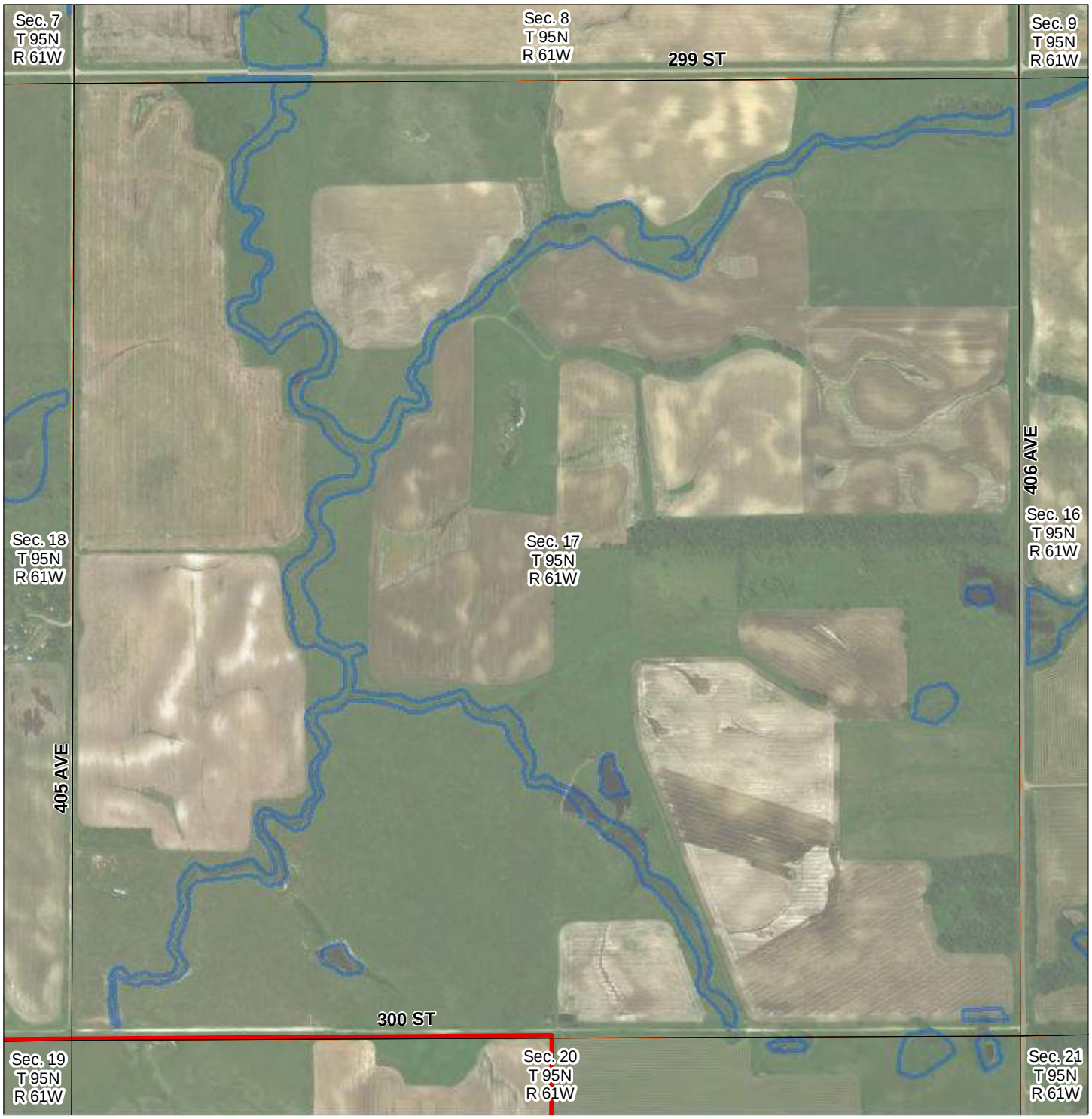

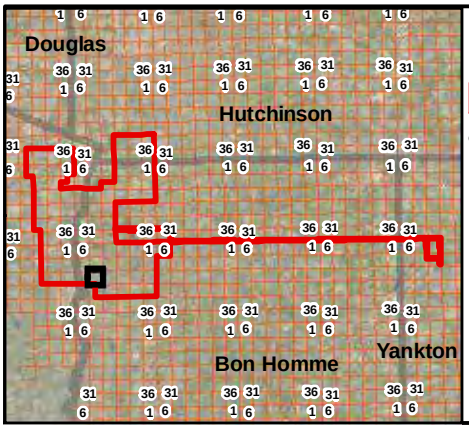

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 75

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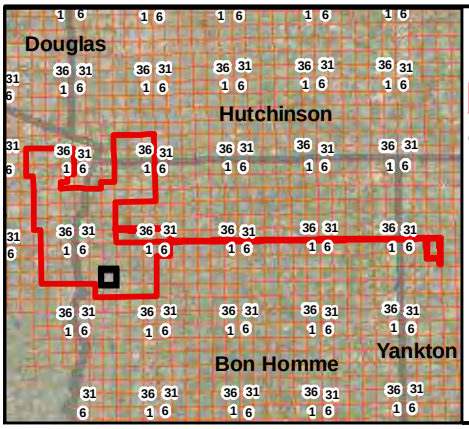

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 76

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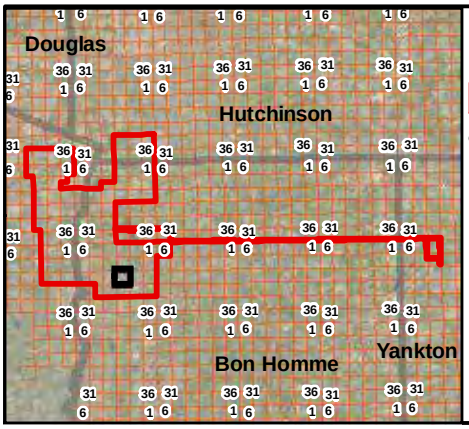

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 77

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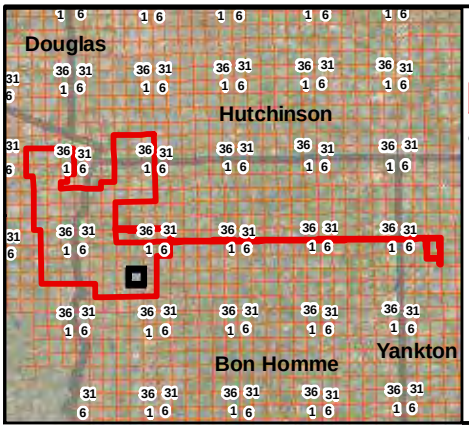

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 78

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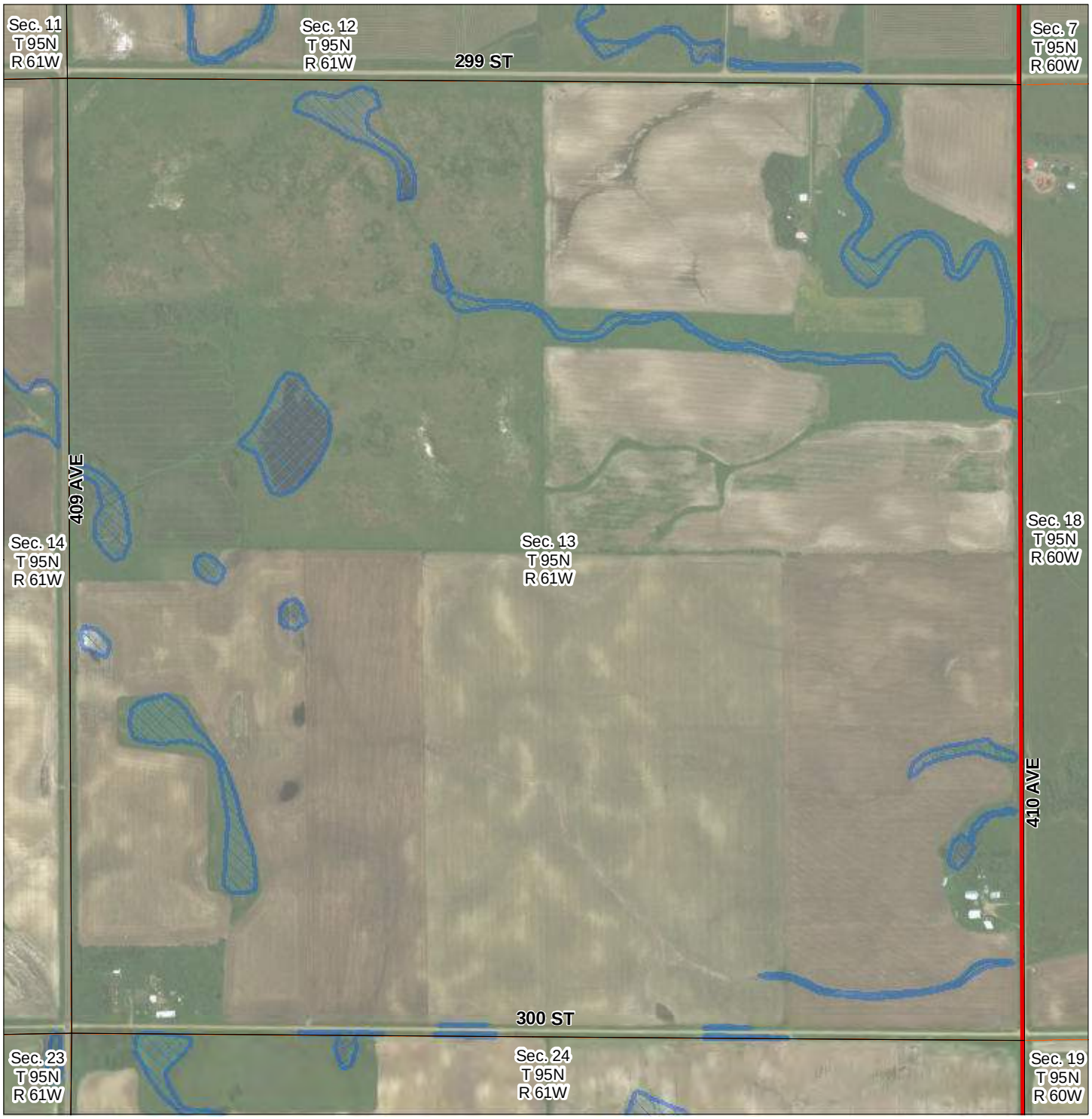

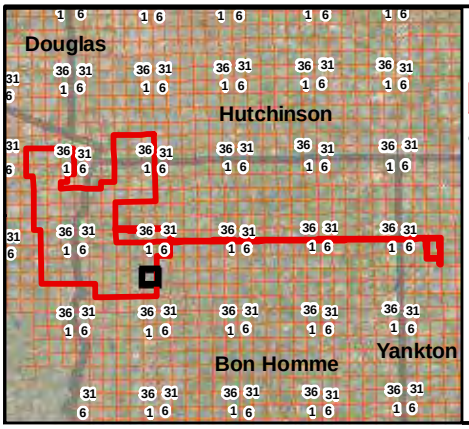

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 79

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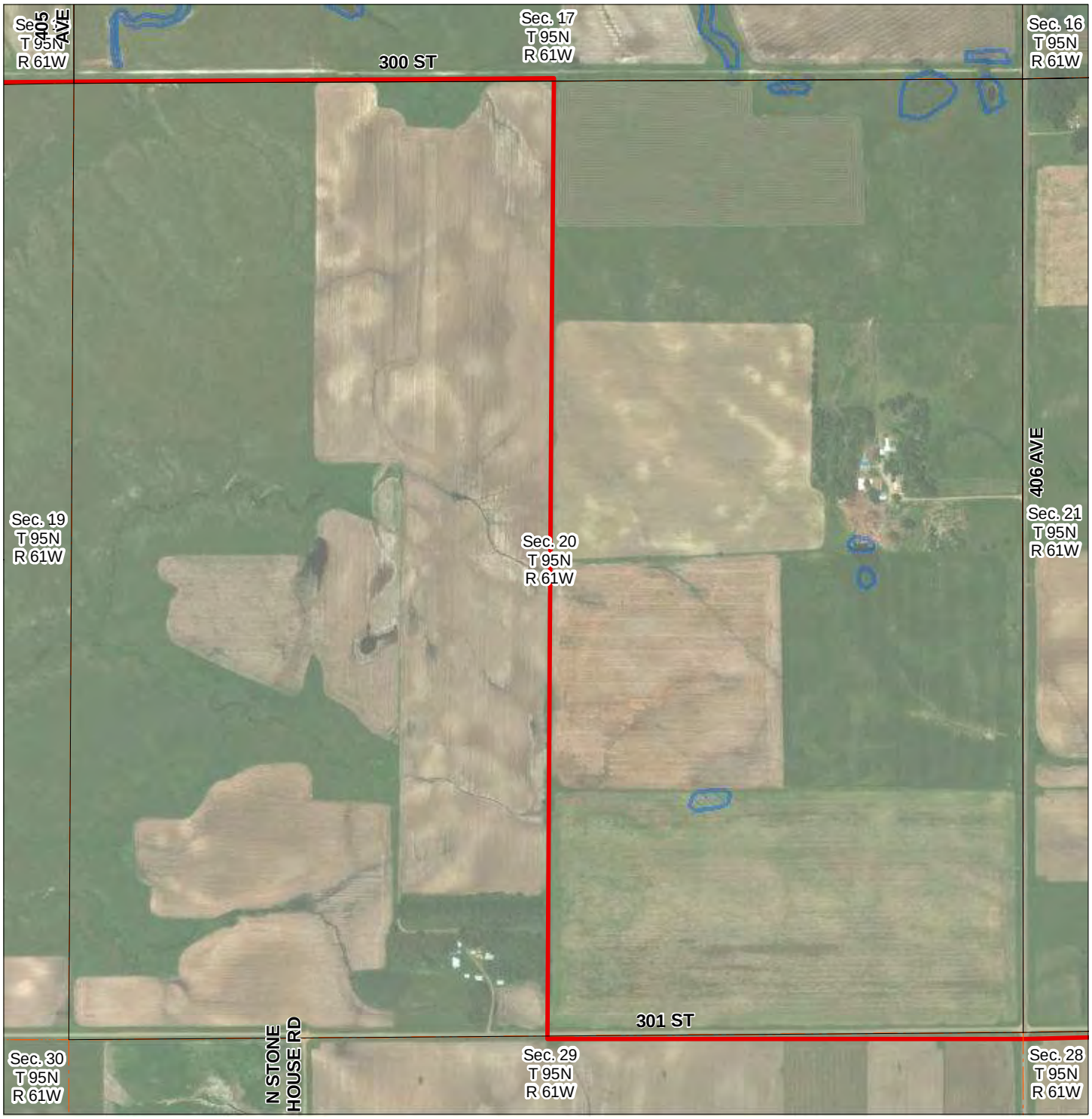

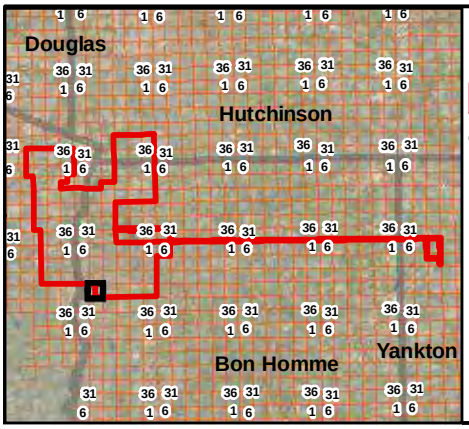

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 80

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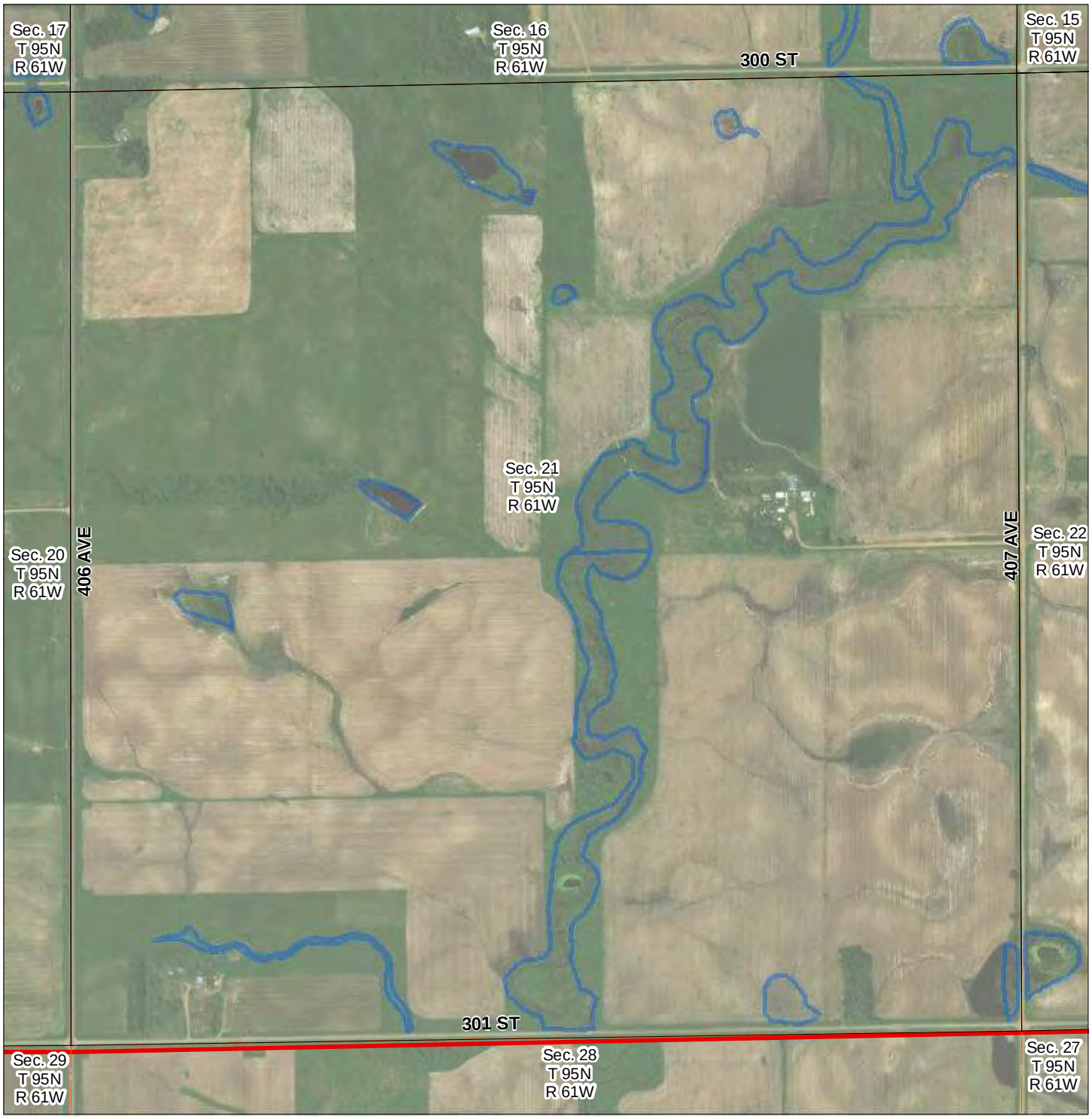

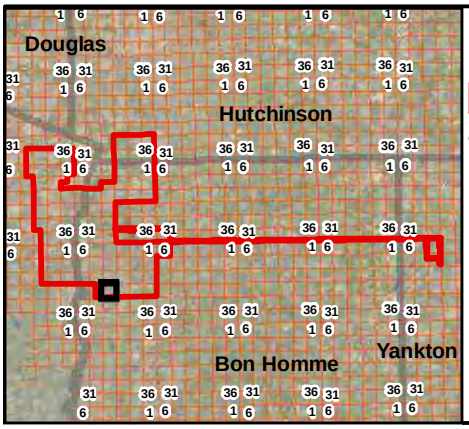

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 81

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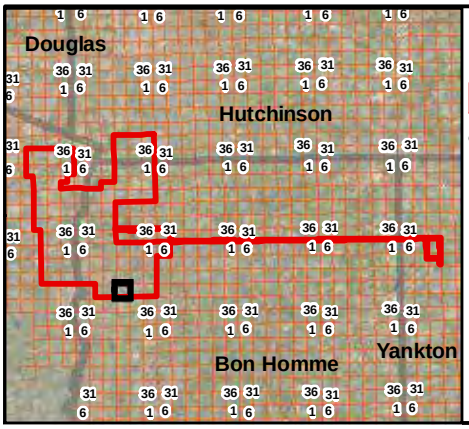


Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

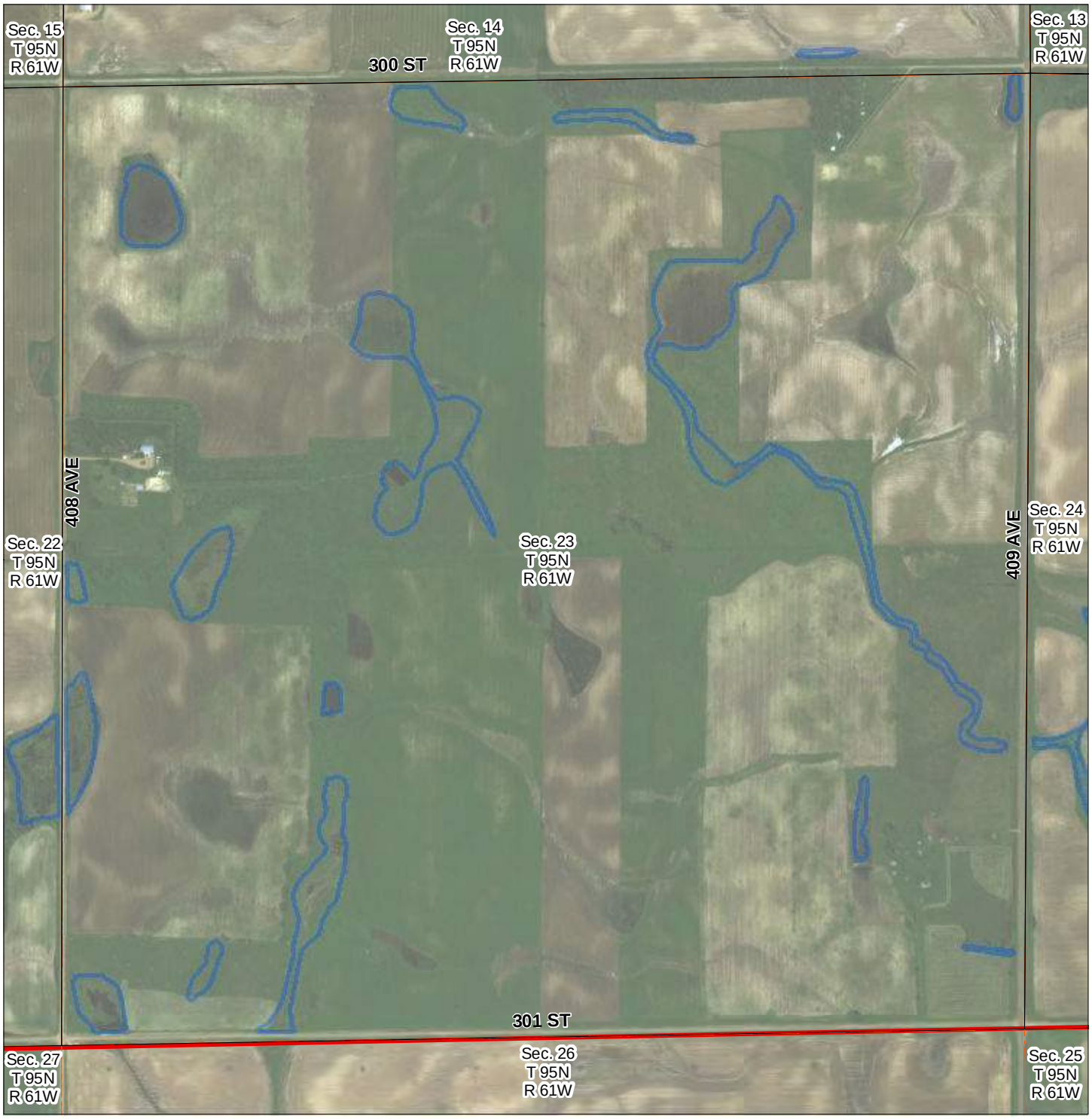
Wetland Determination Study Area (April 2018) Prevailing Wind Park

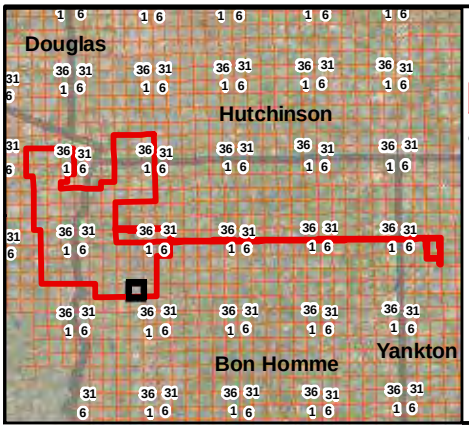
Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 82

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Feet
0 800

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 83

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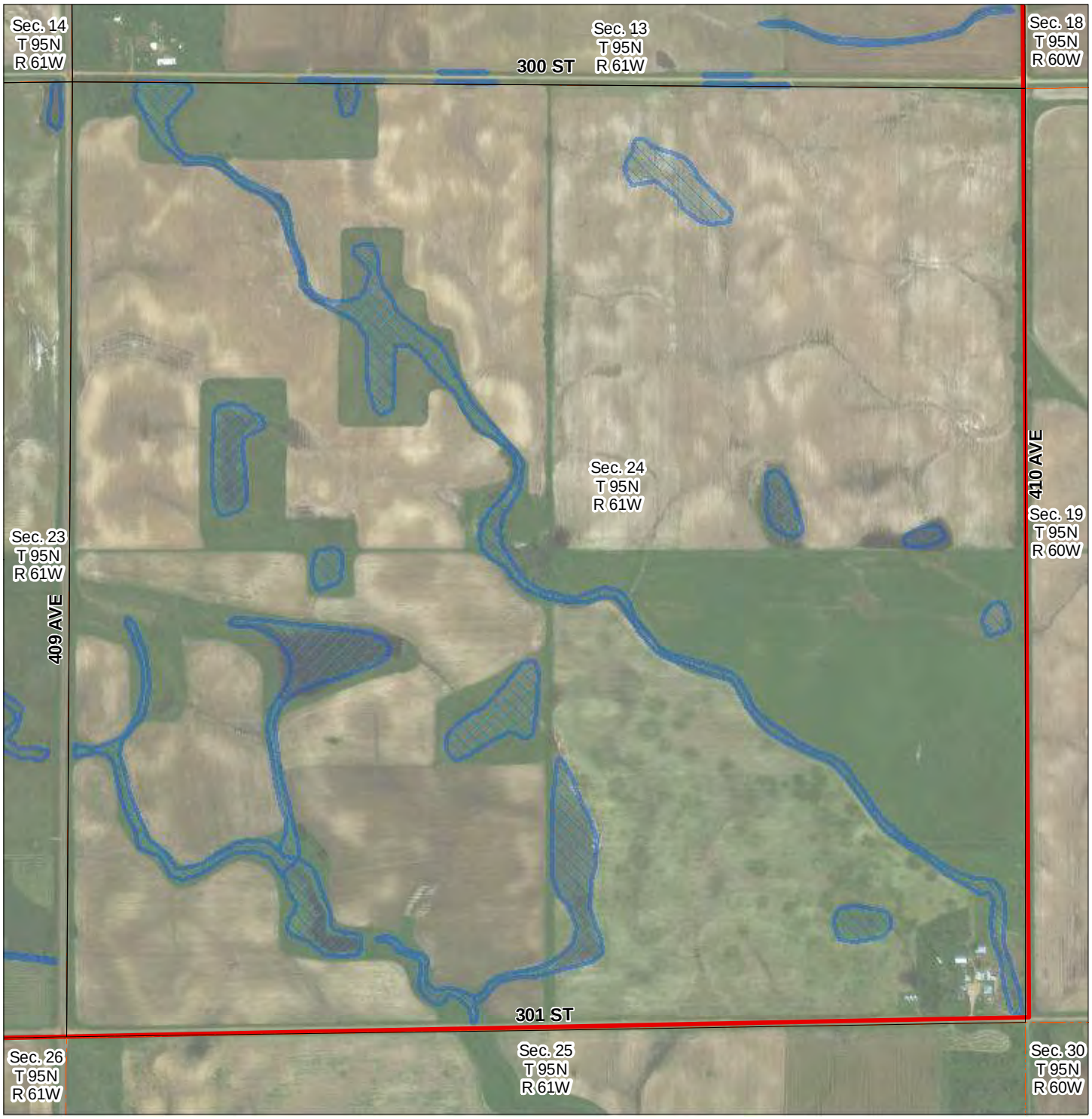

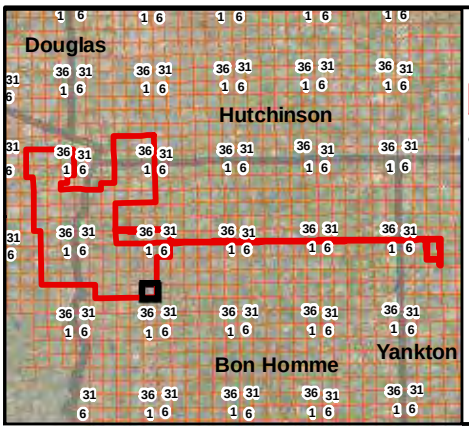

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Feet
0 800

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 84

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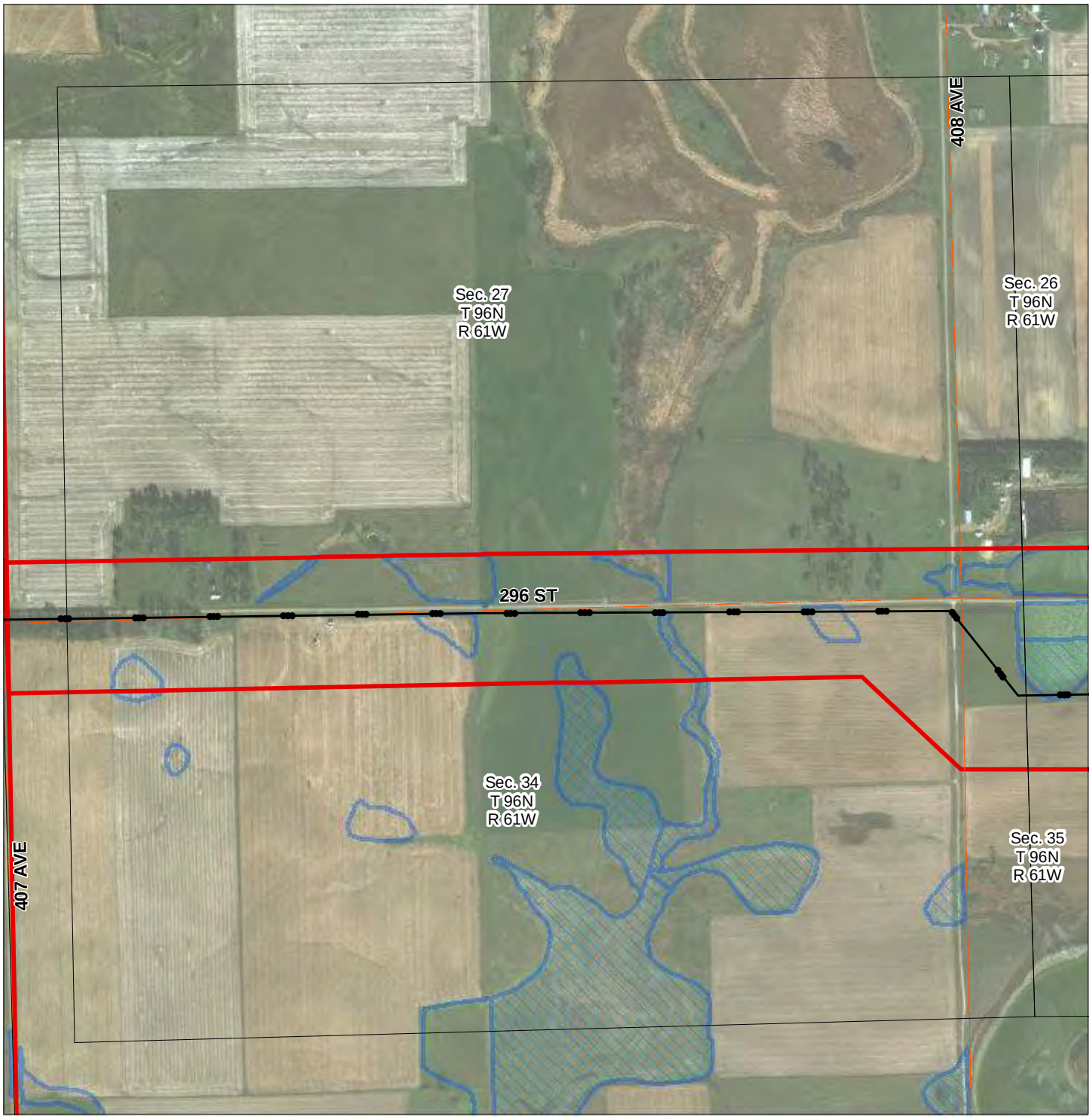

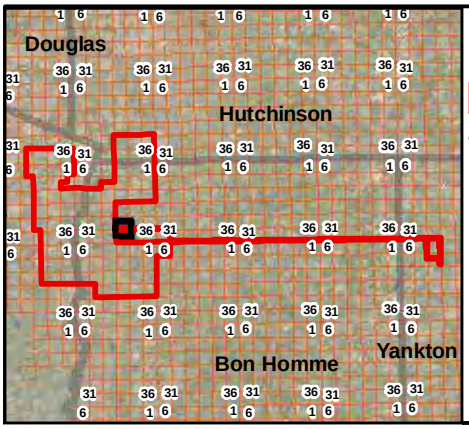

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 85

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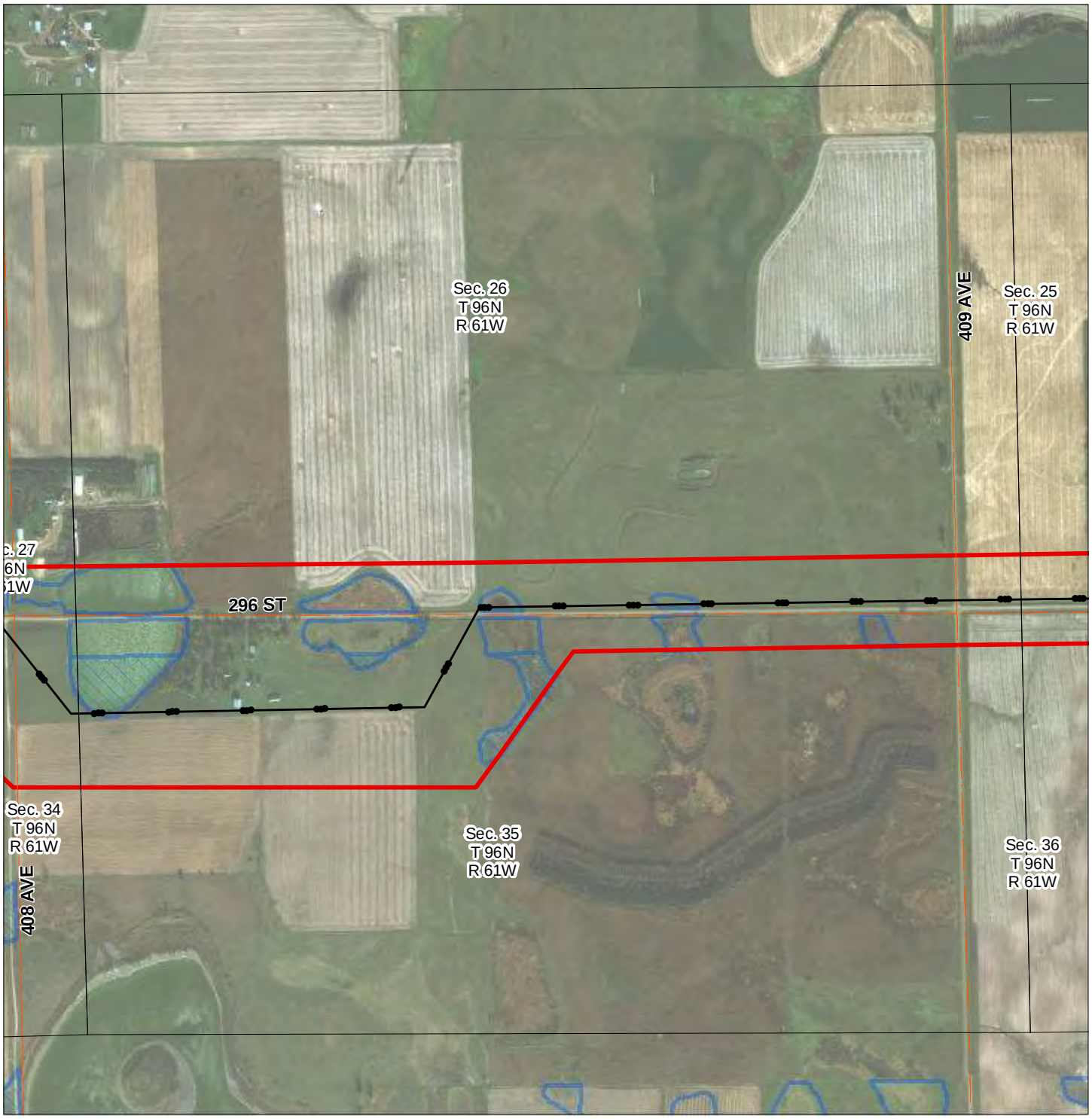

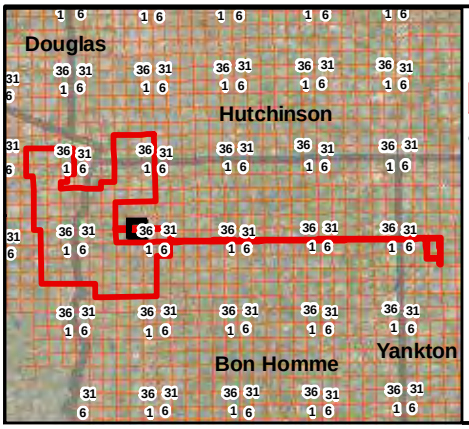

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 86

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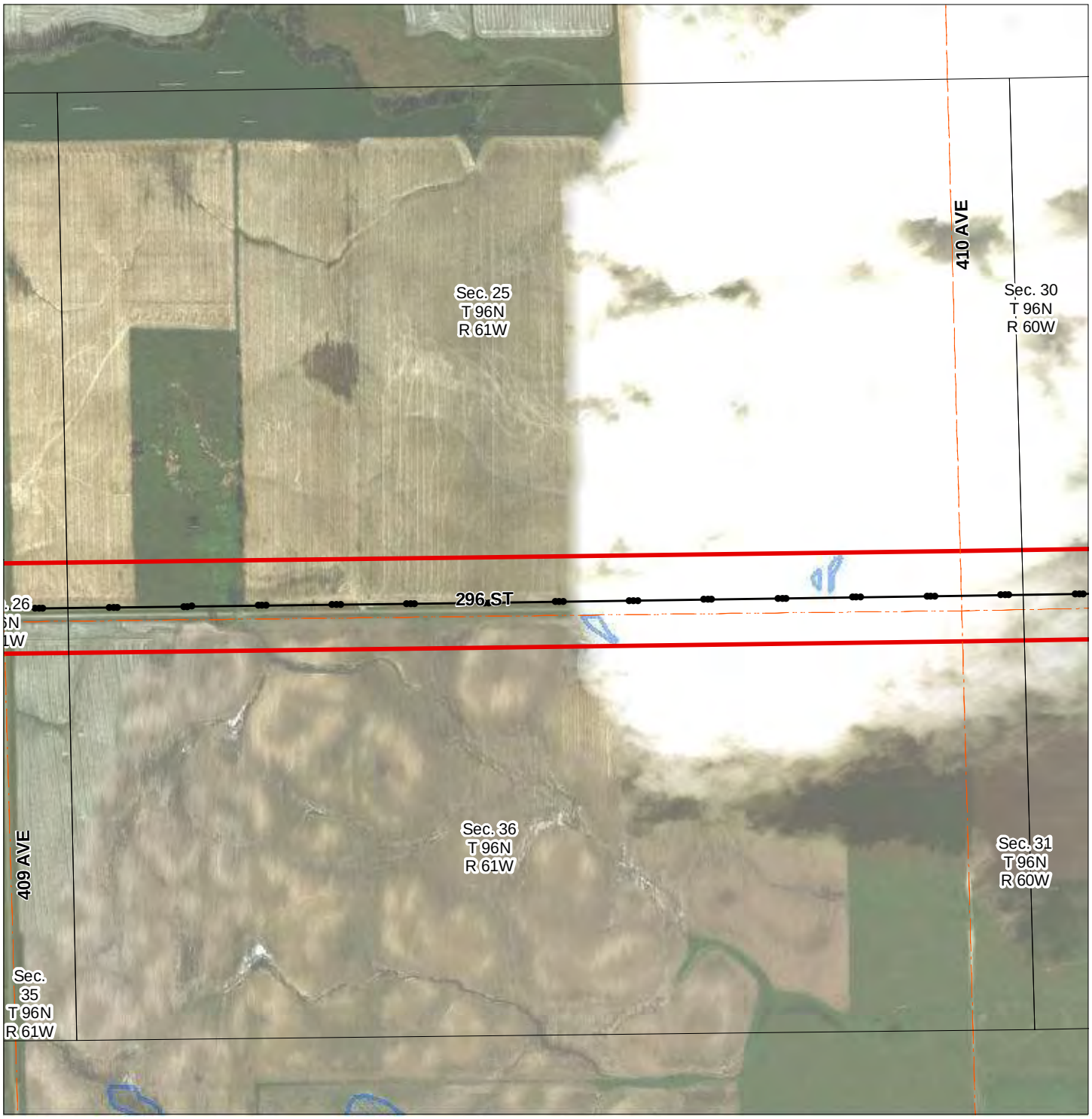
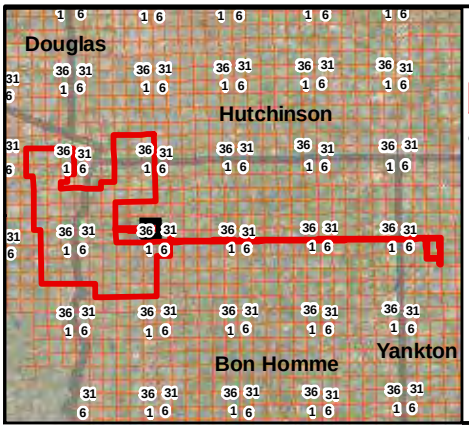




Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

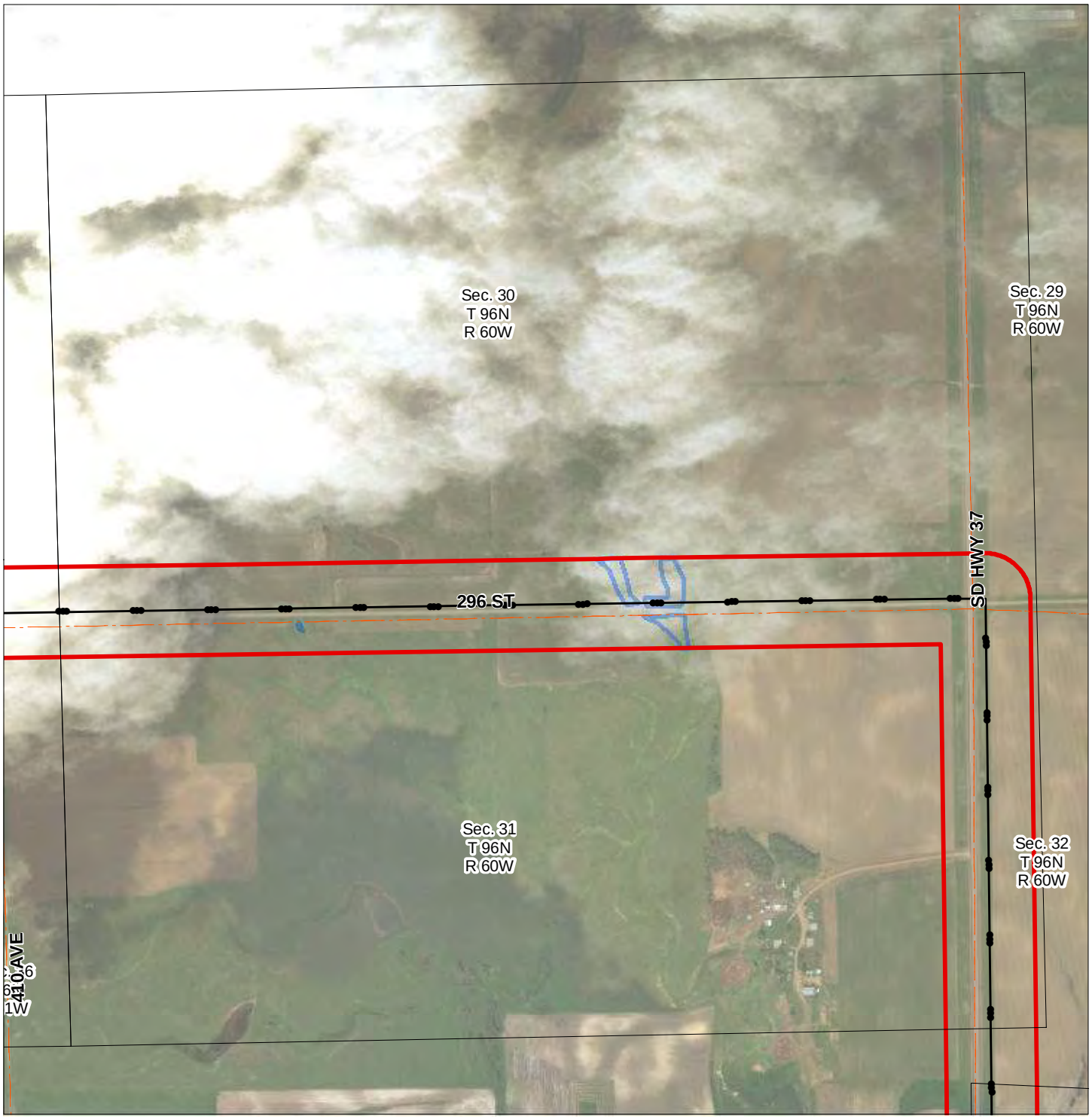
0 800 Feet

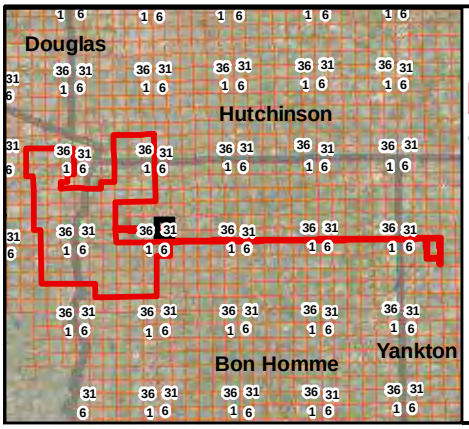
Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 87

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd





Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 88

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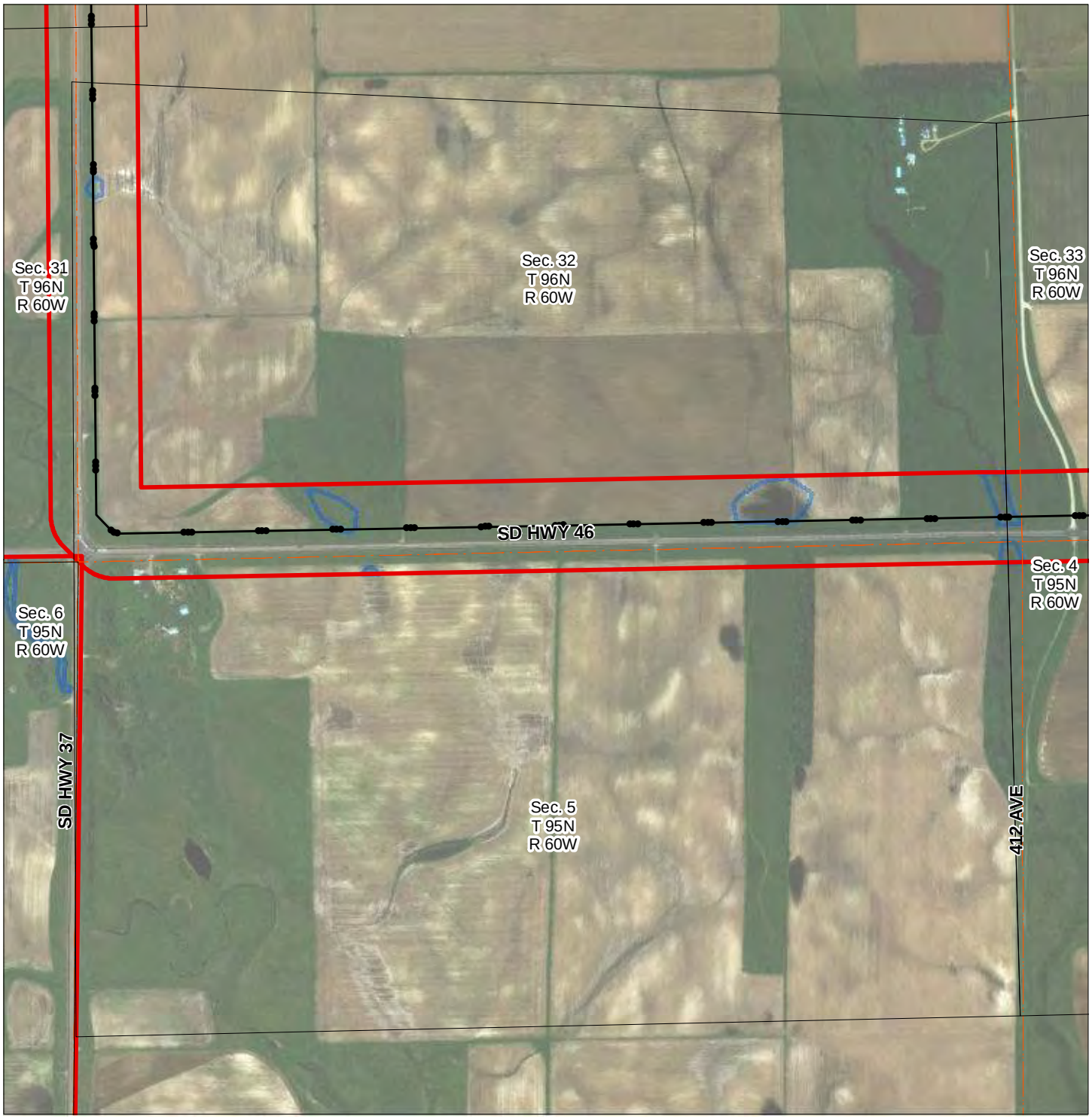

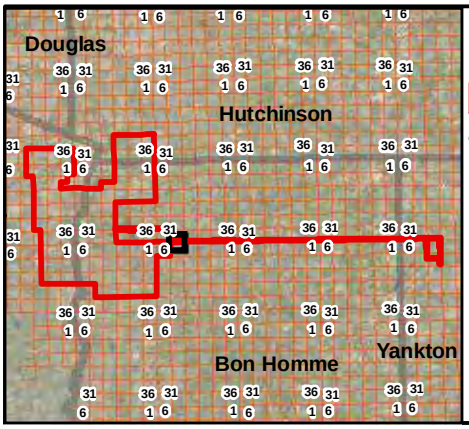

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 89

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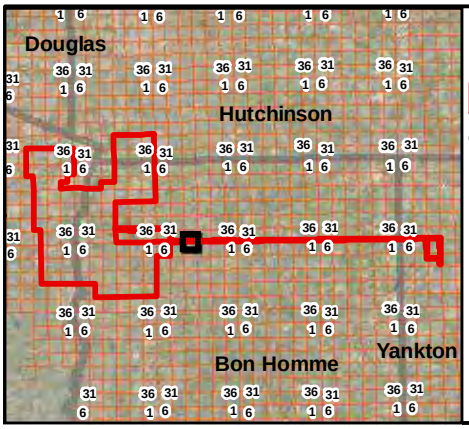

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 90

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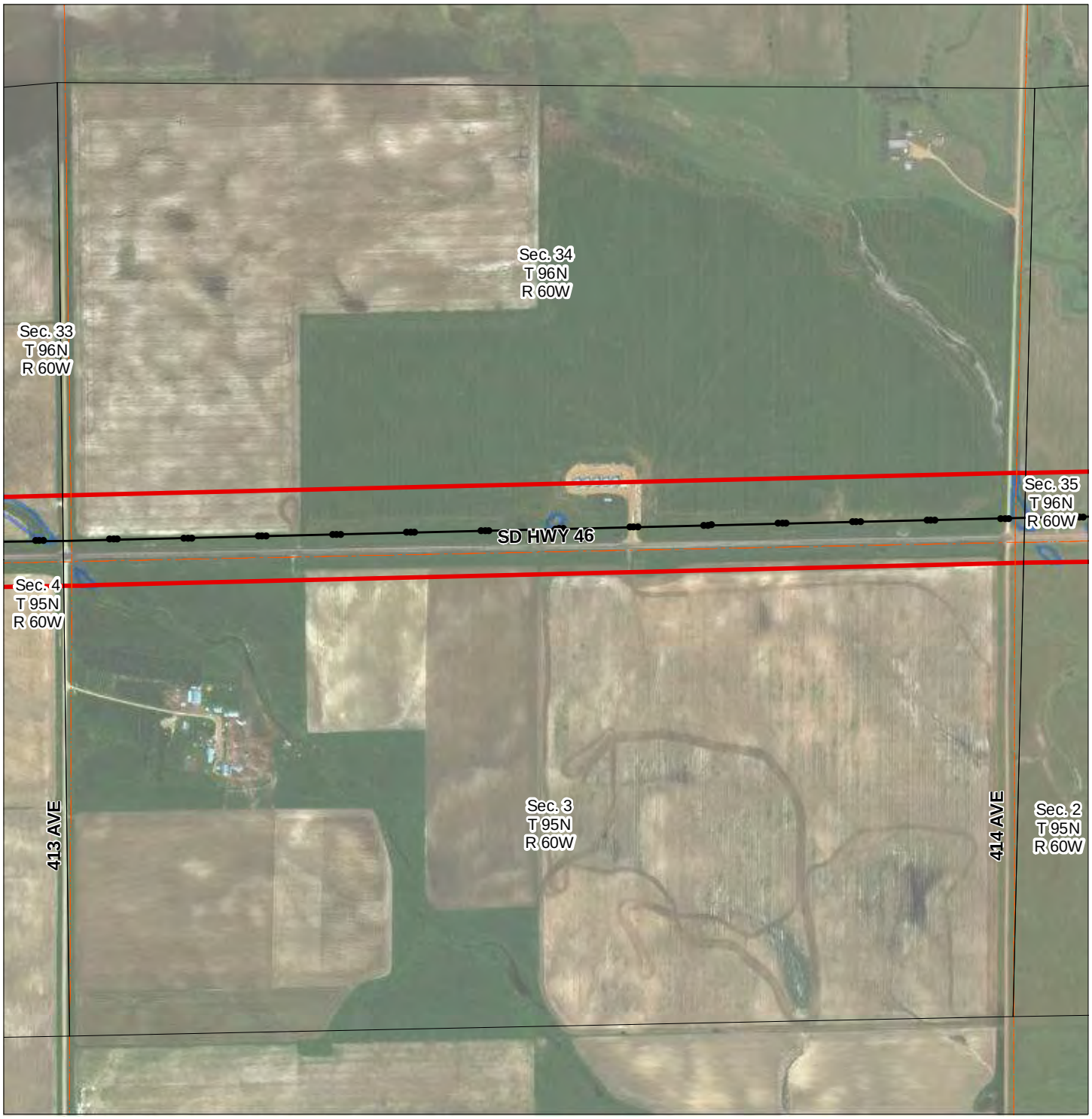

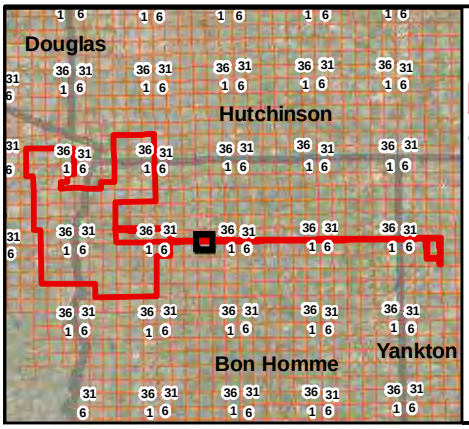

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Feet
0 800

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 91

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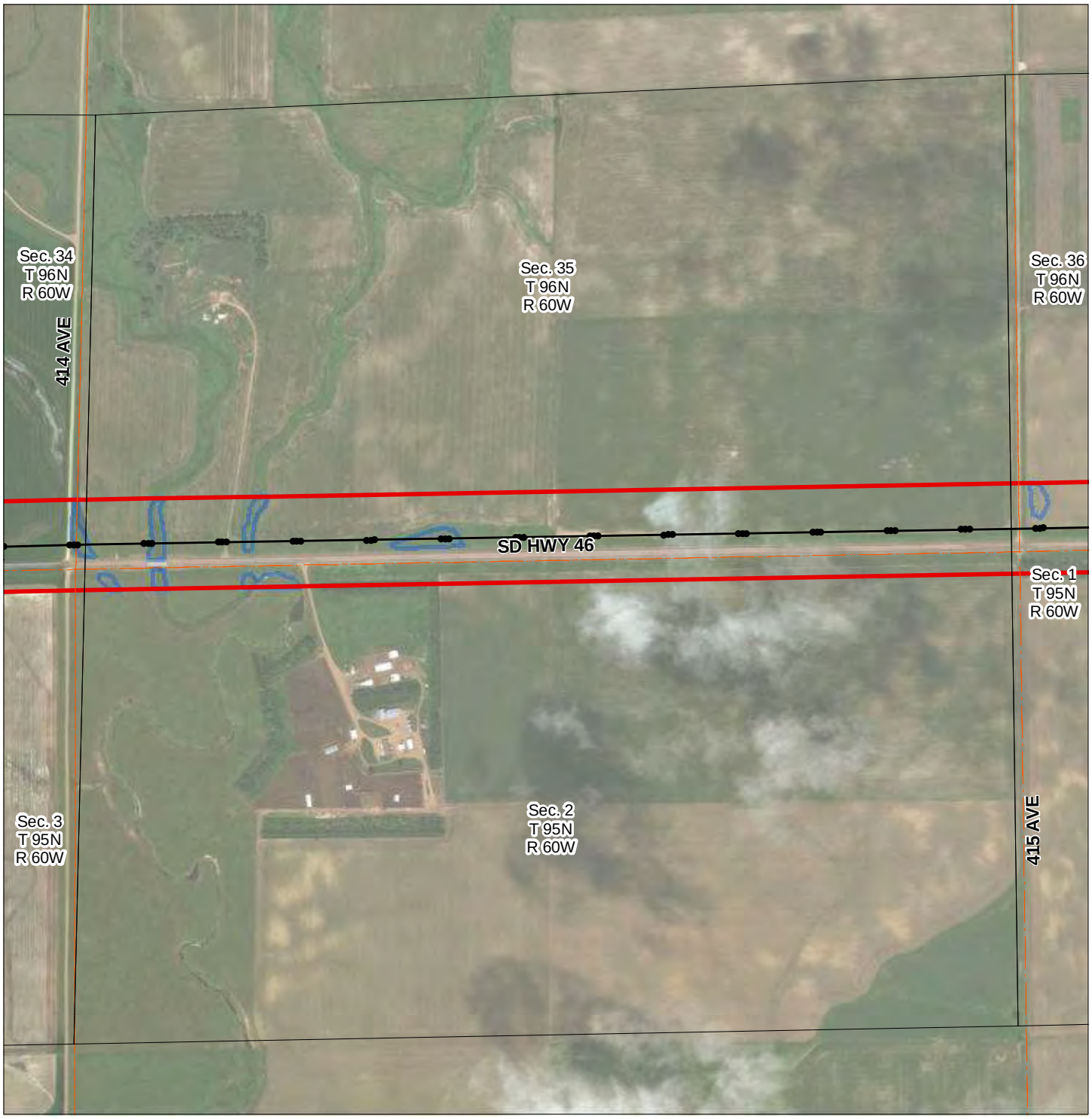

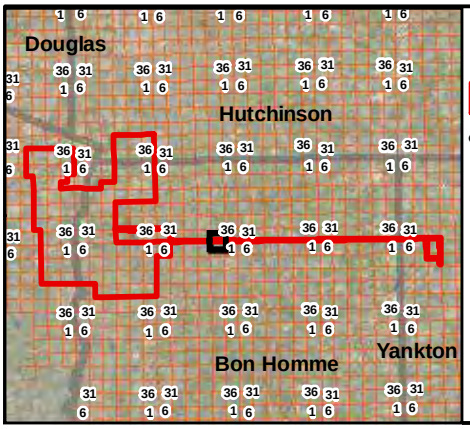

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 92

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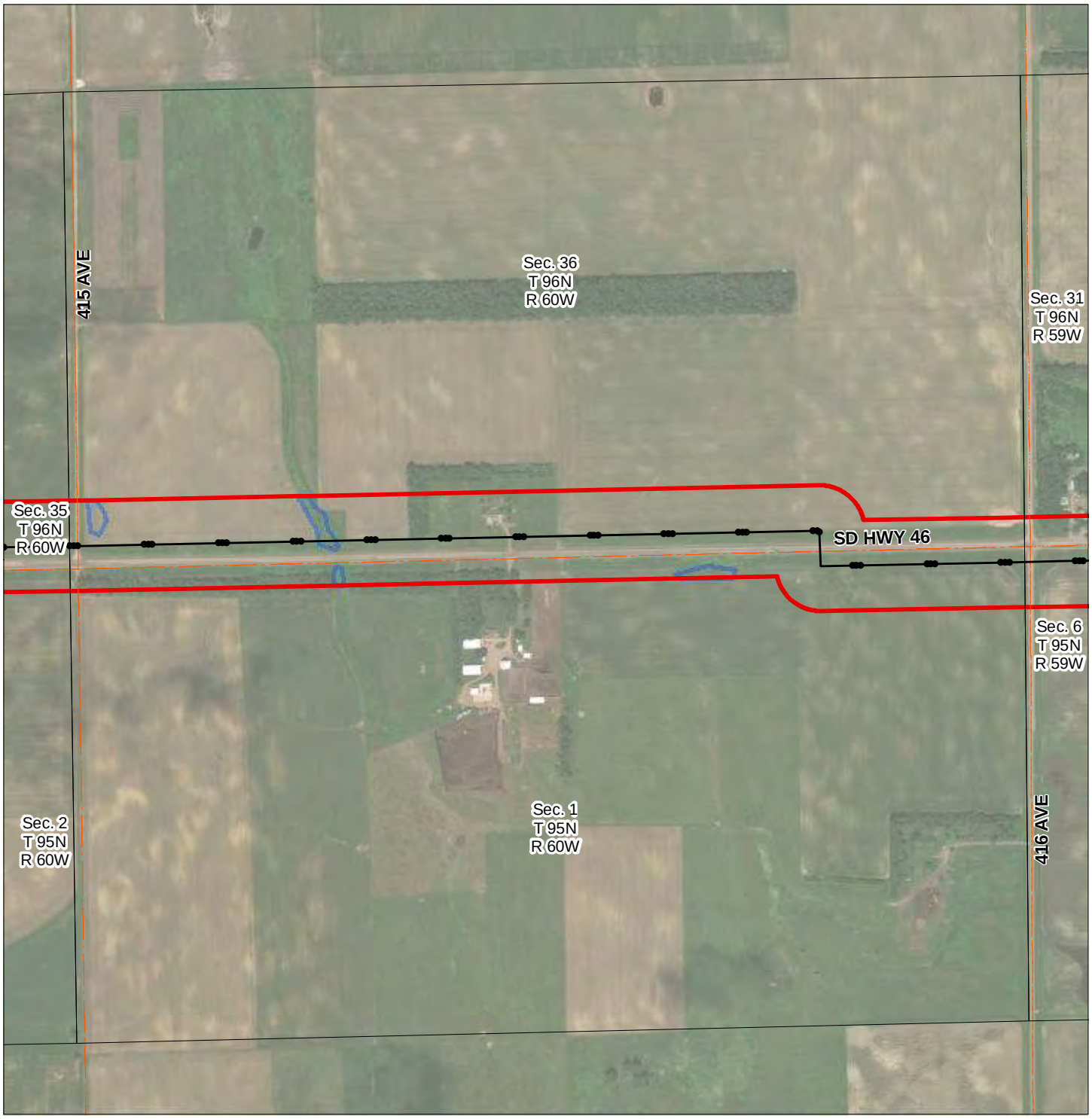

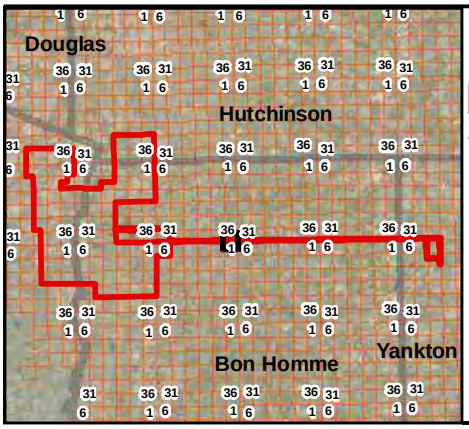

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 93

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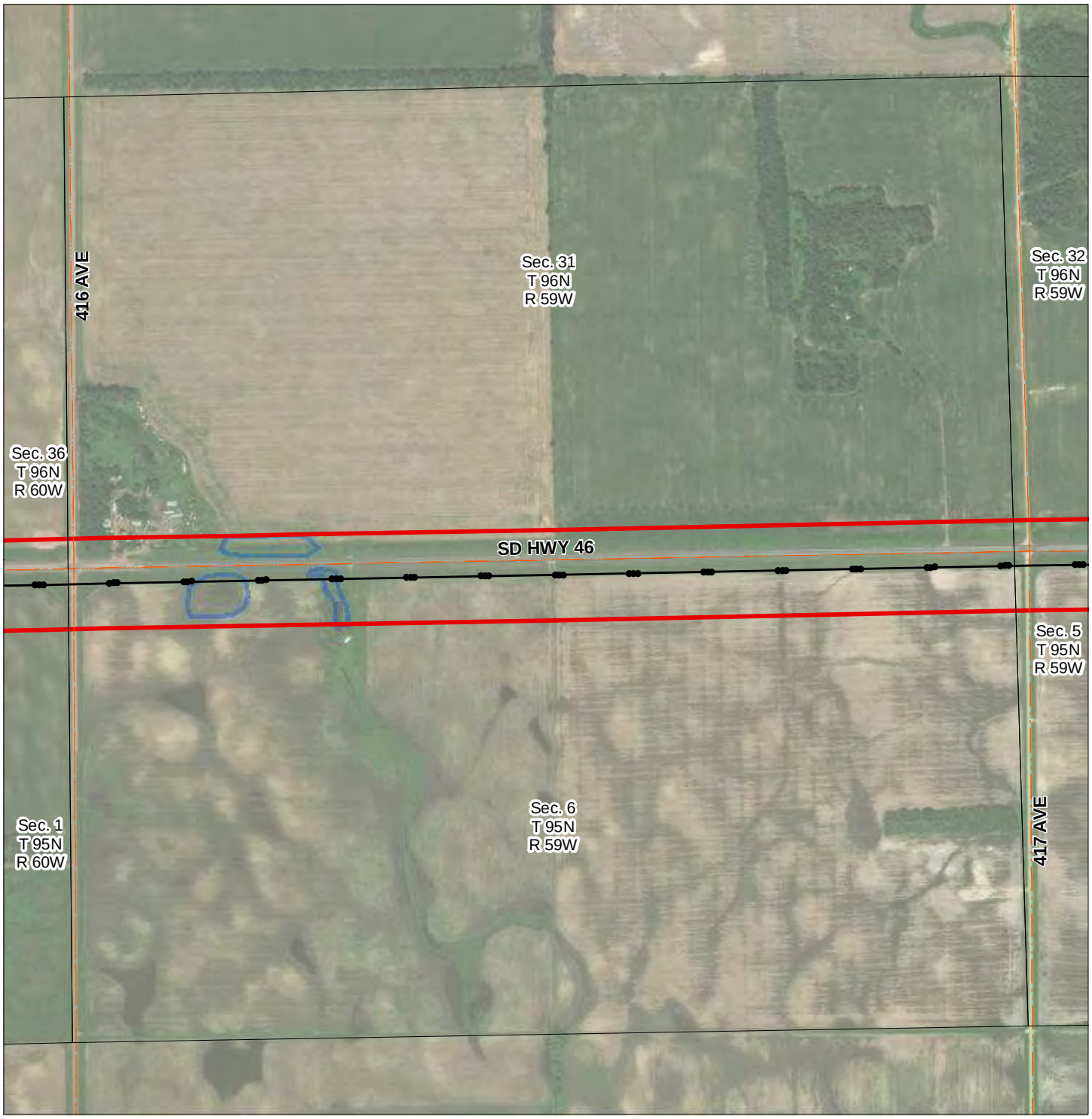

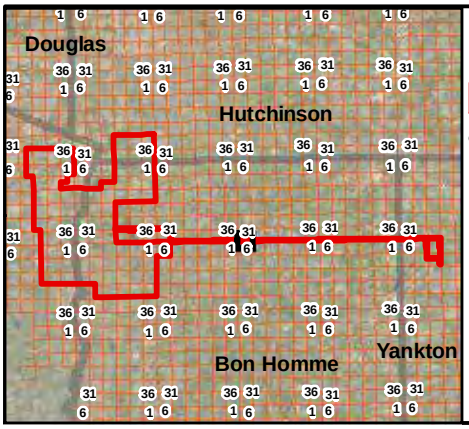

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

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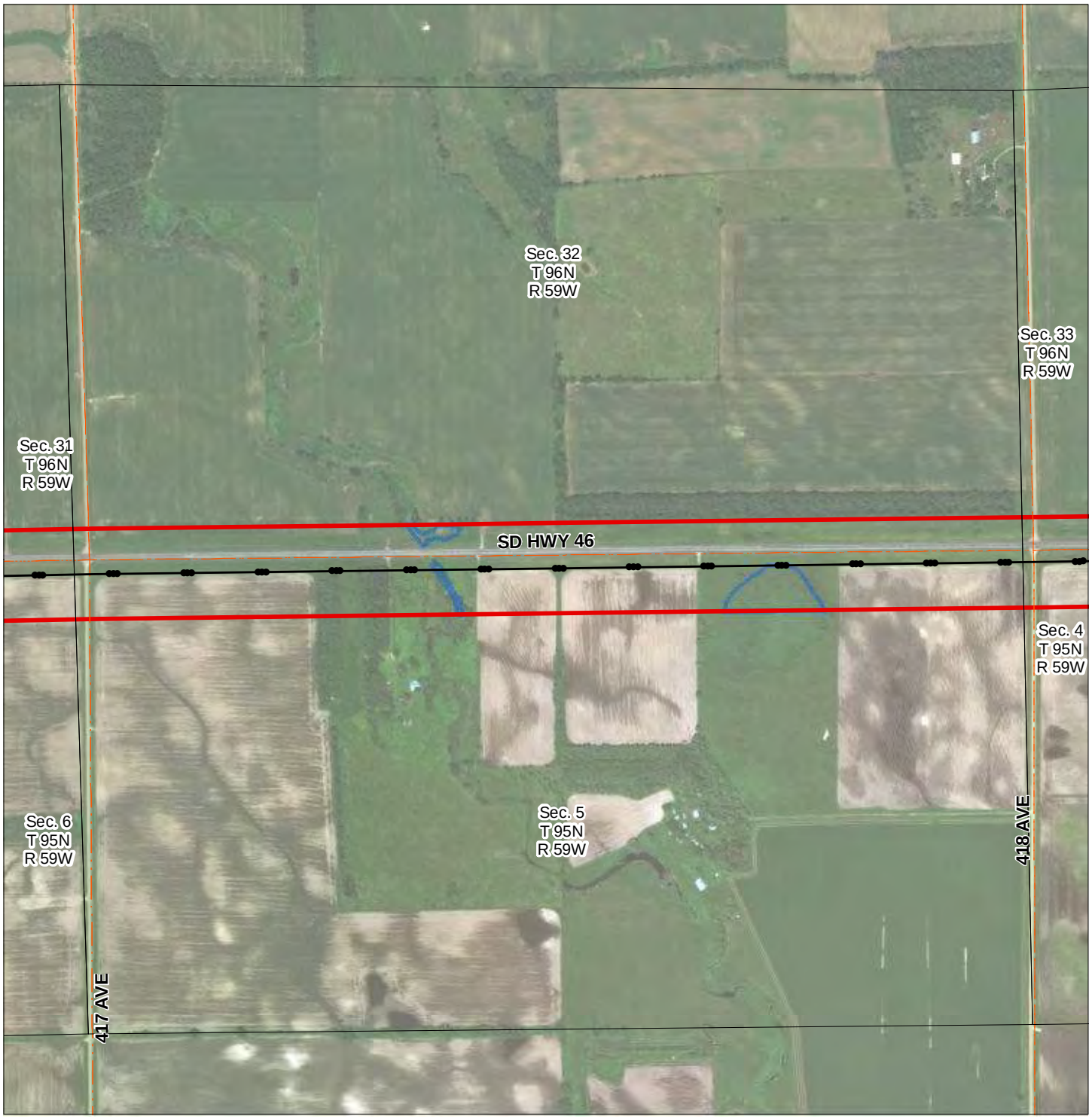

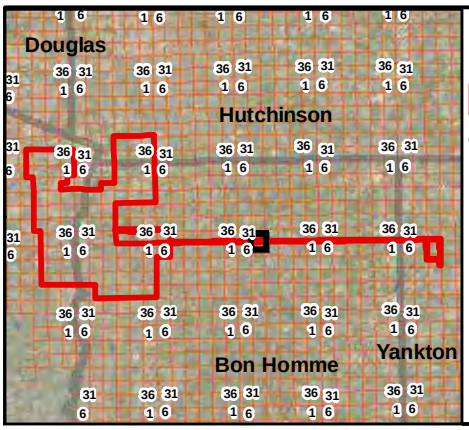

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

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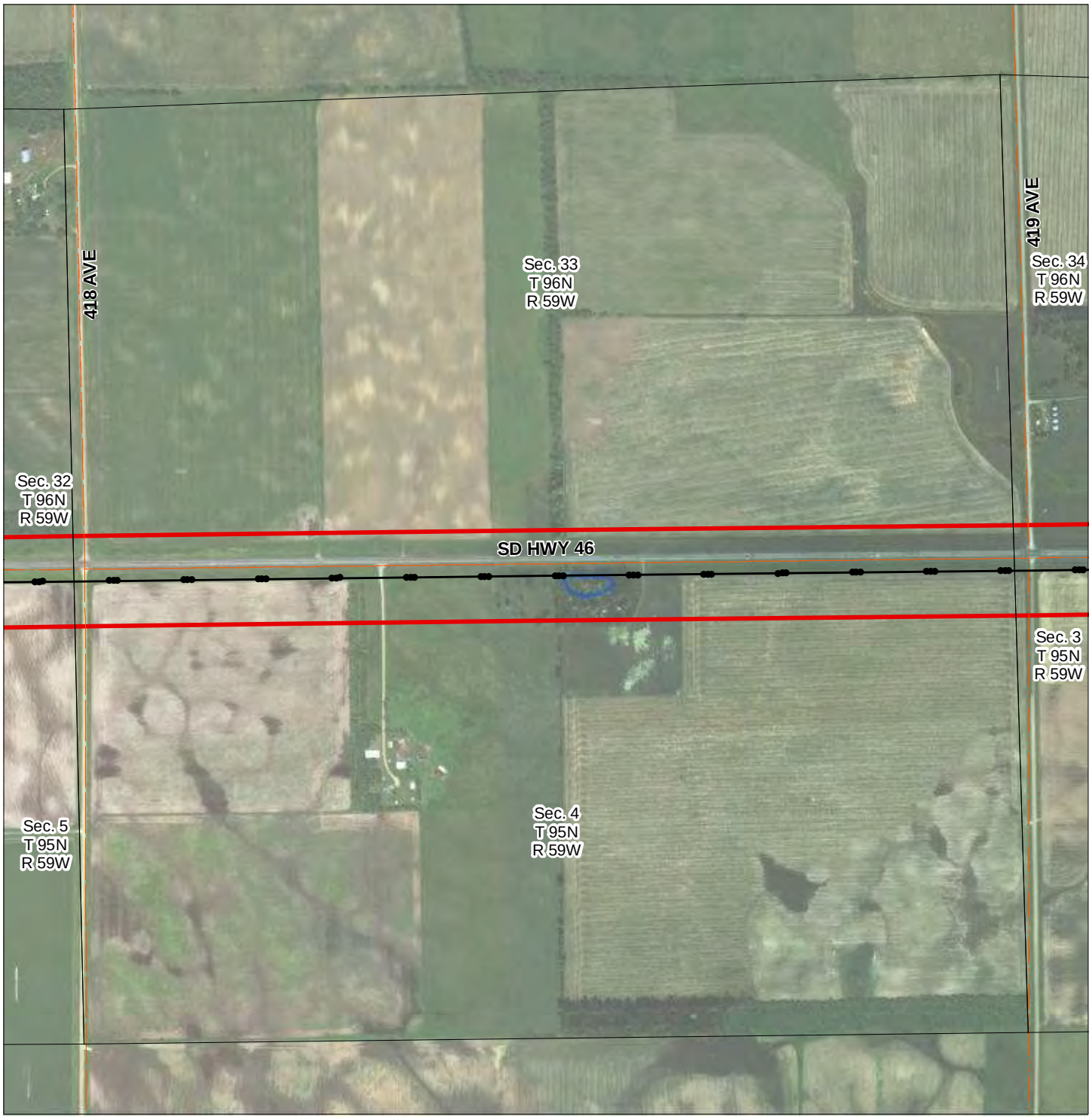

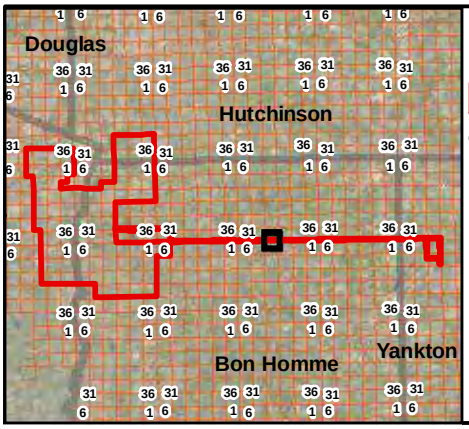

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 96

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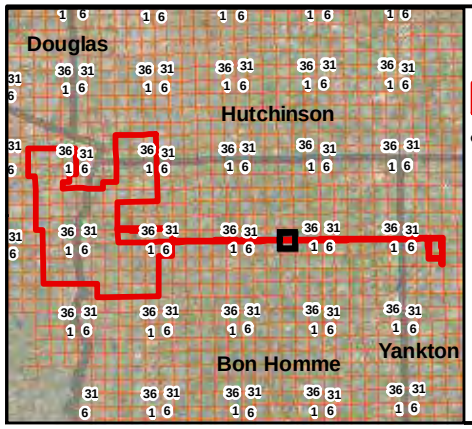

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 97

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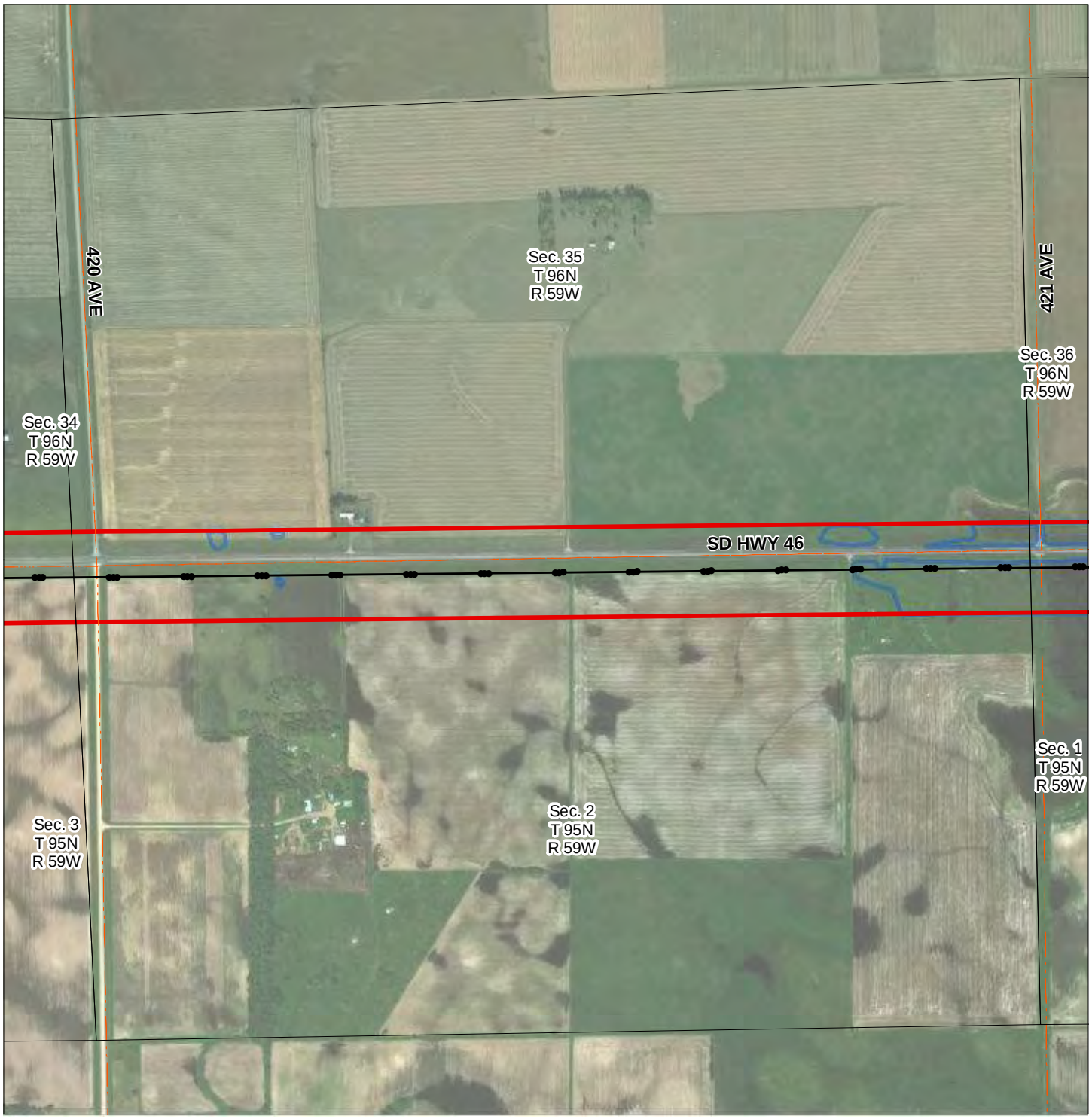

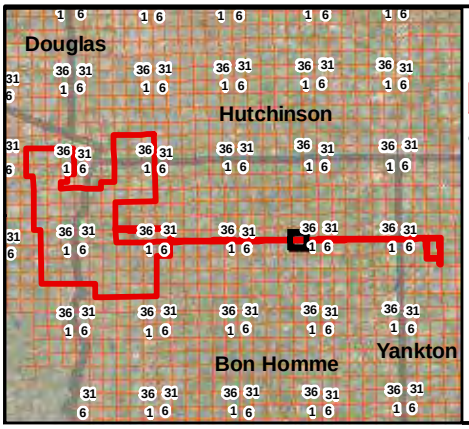

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 98

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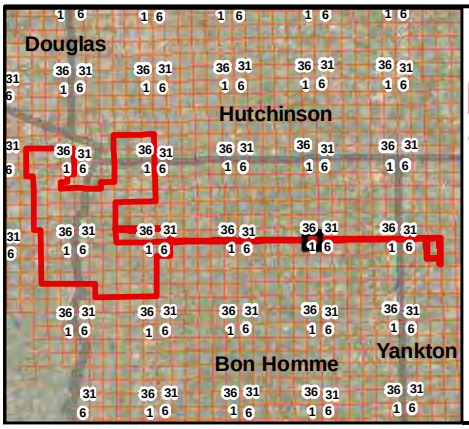

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 99

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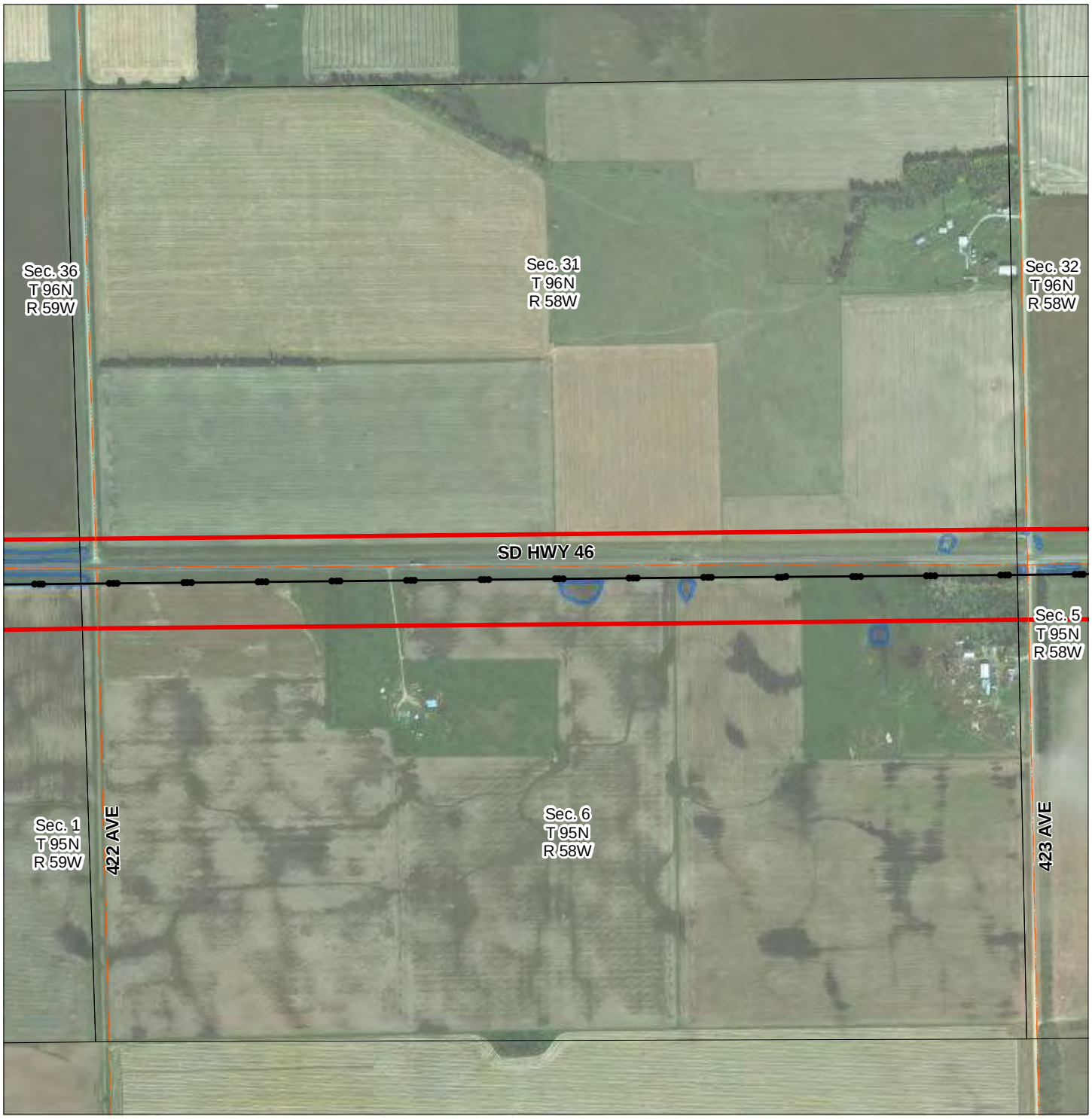

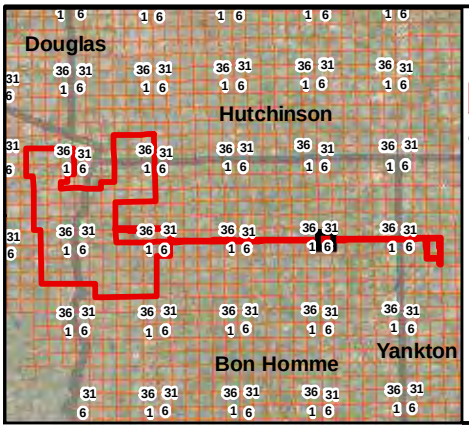

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 100

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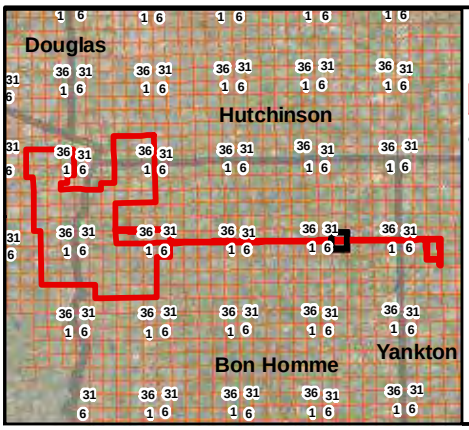

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

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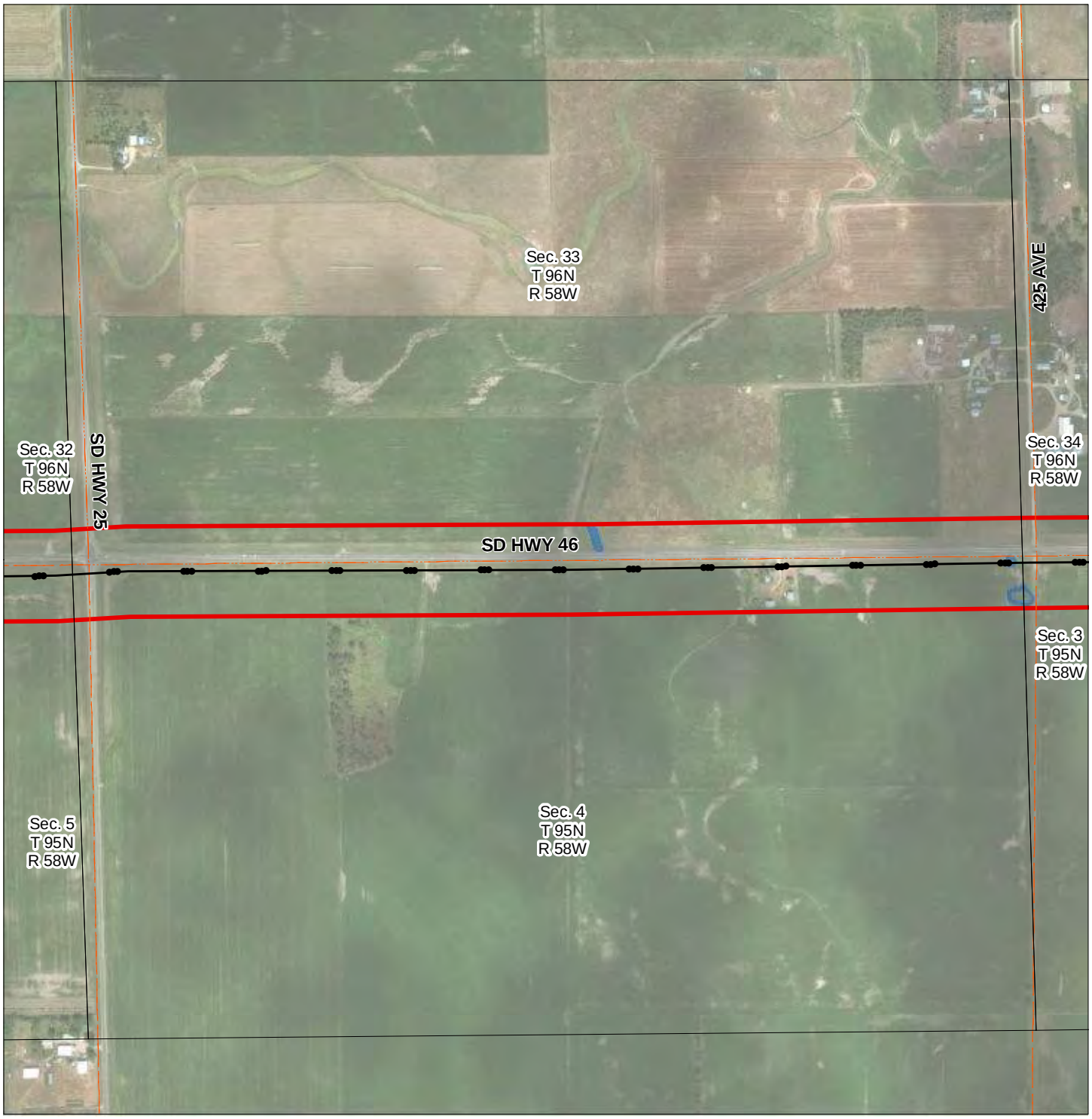

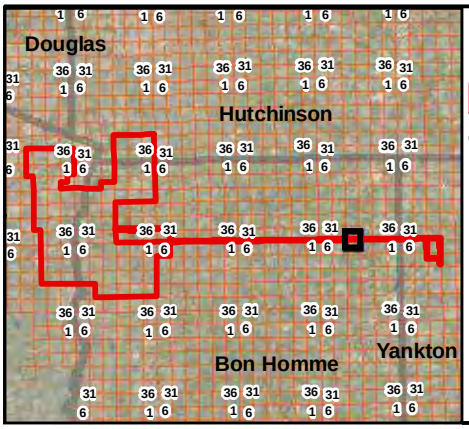

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 102

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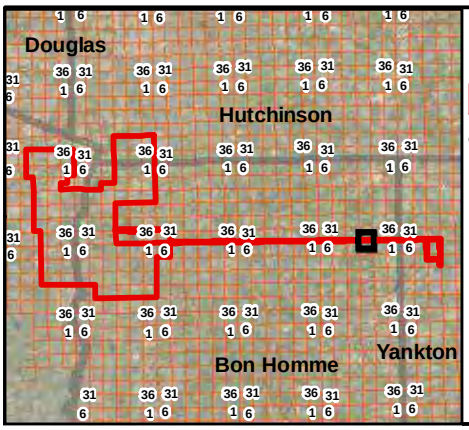

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

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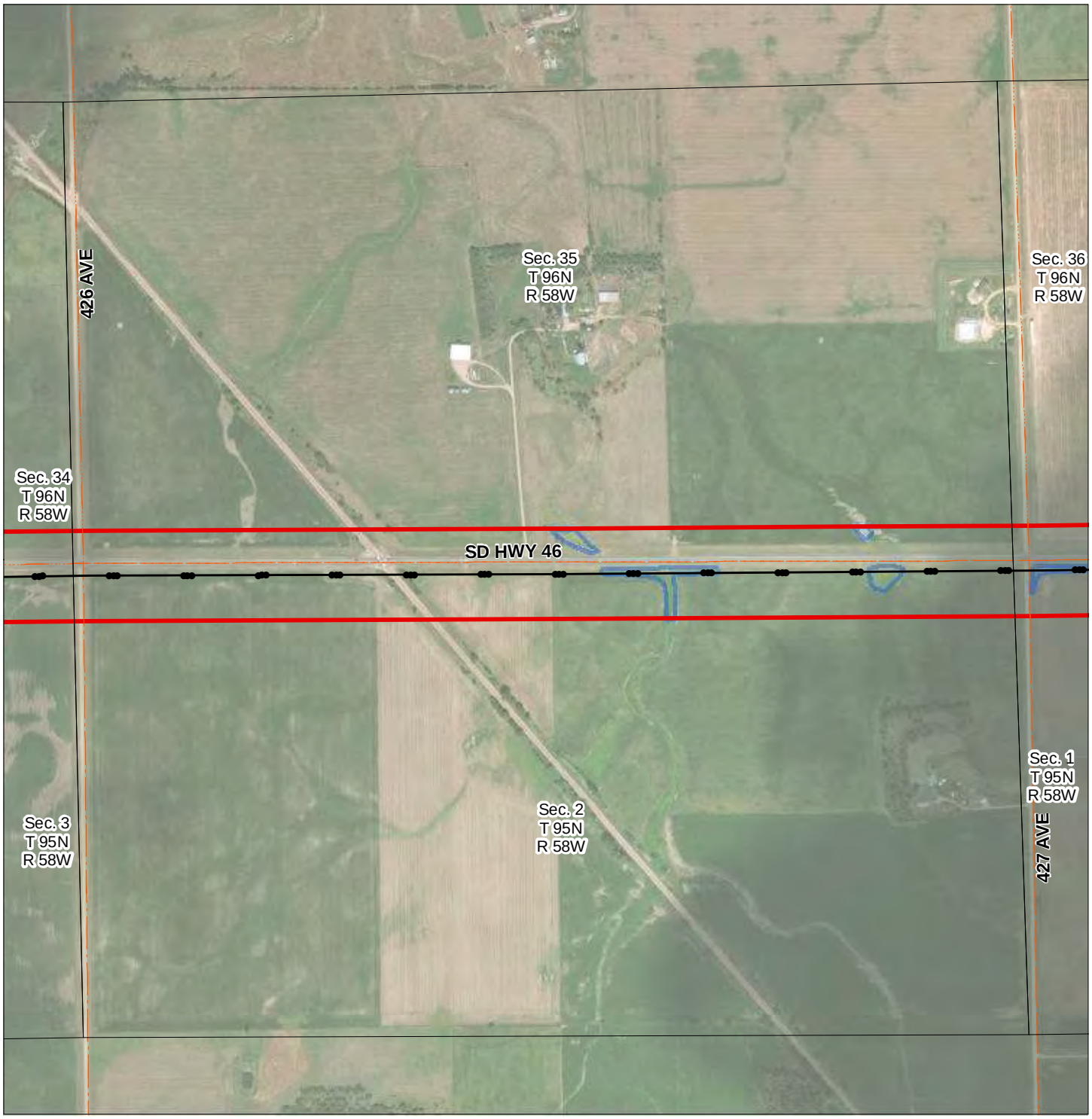

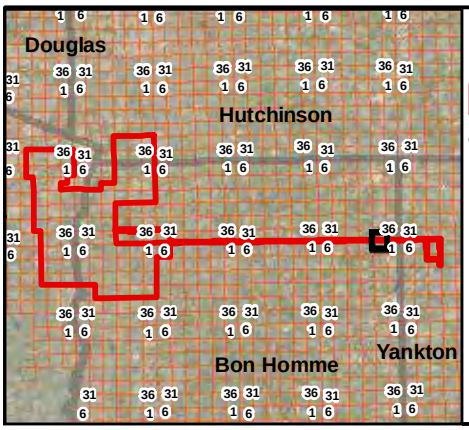

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 104

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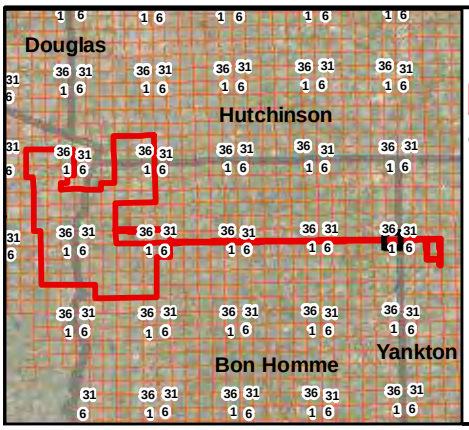

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 105

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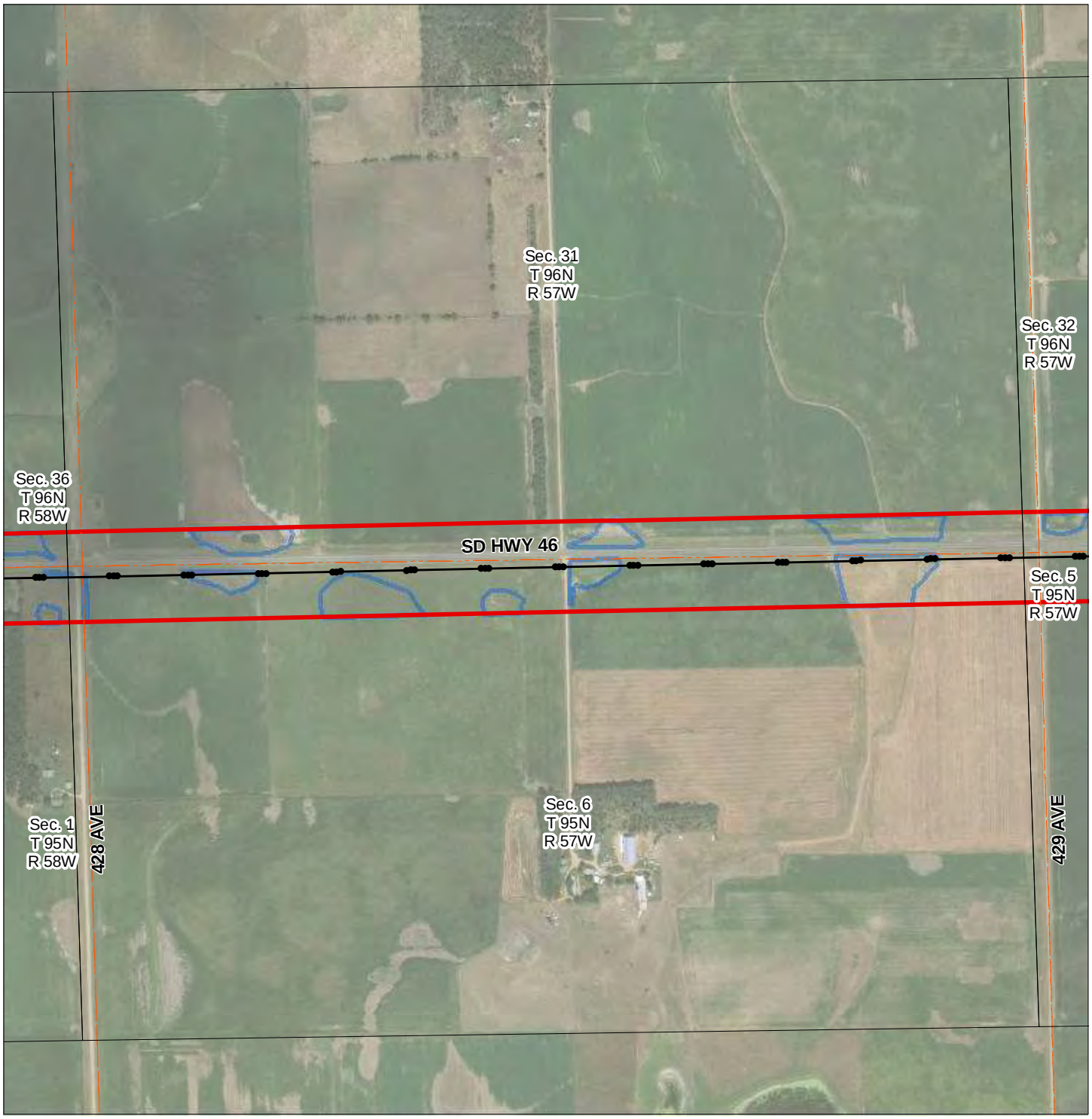

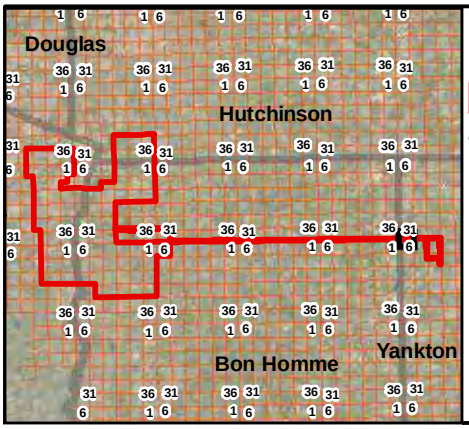

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Feet
0 800

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 106

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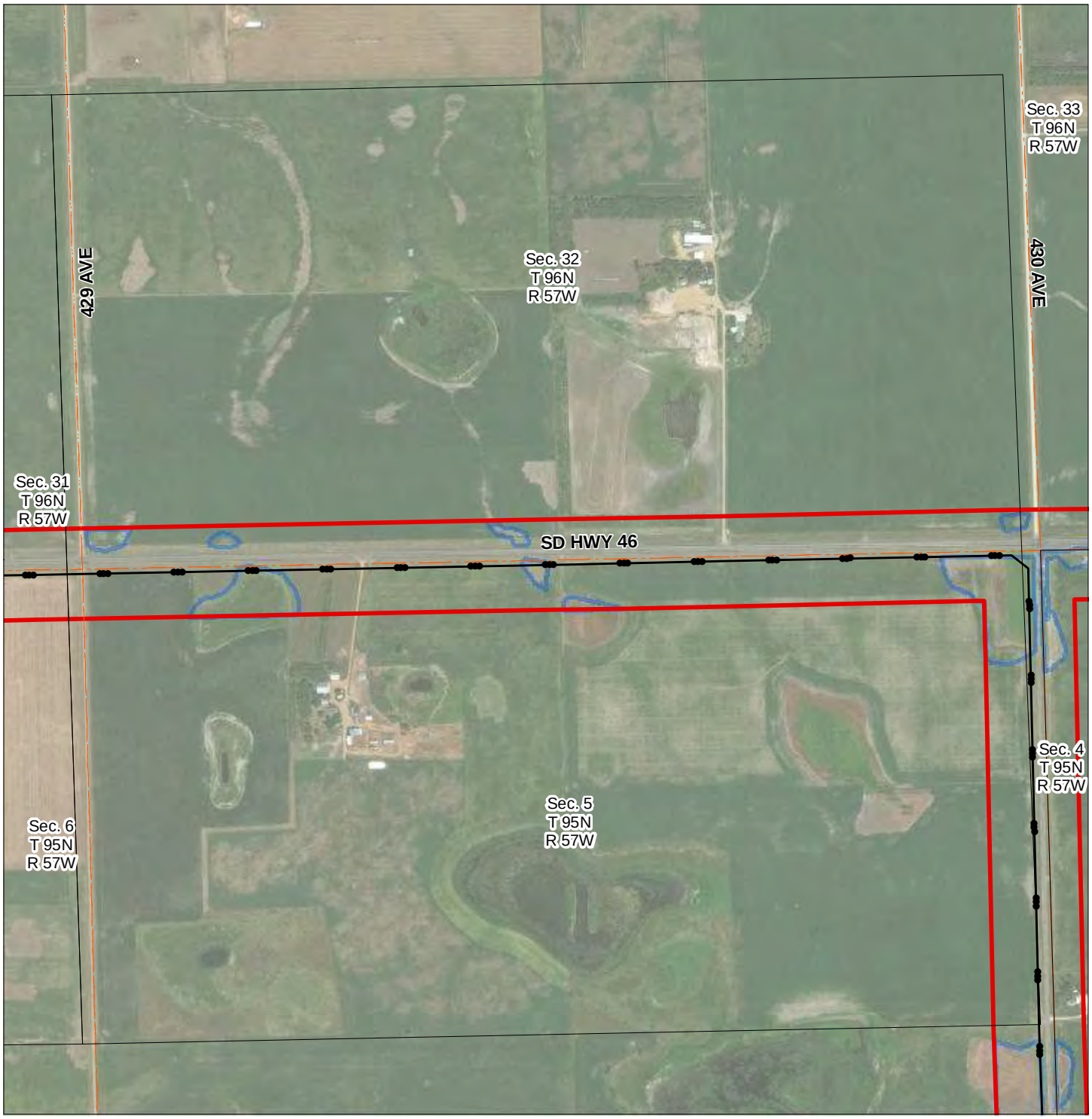

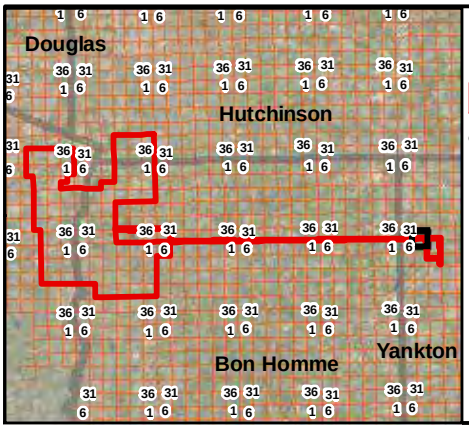

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 107

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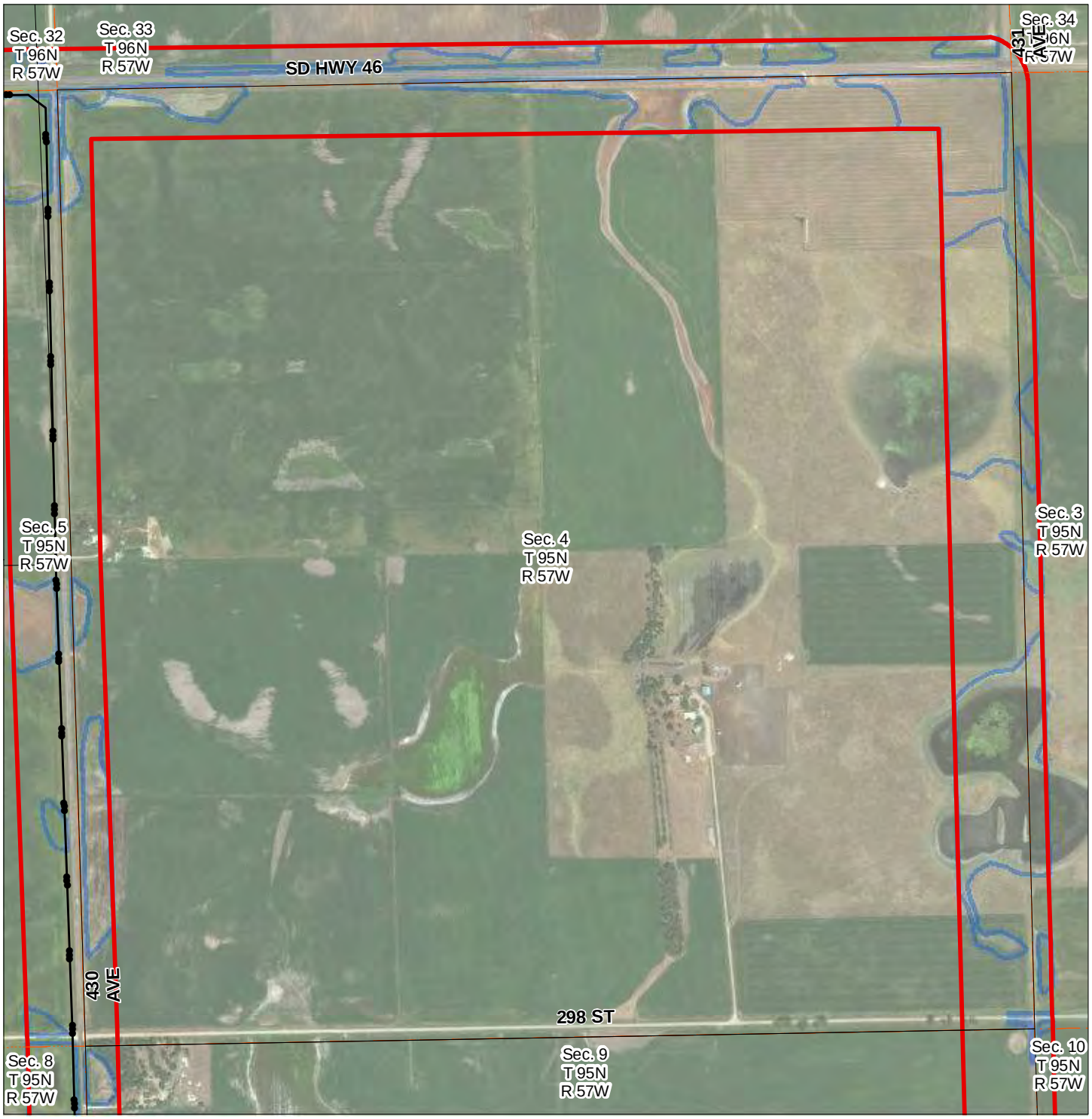

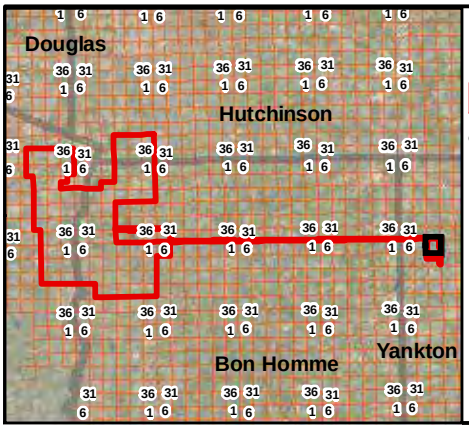

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

0 800 Feet

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

Figure 2 - 108

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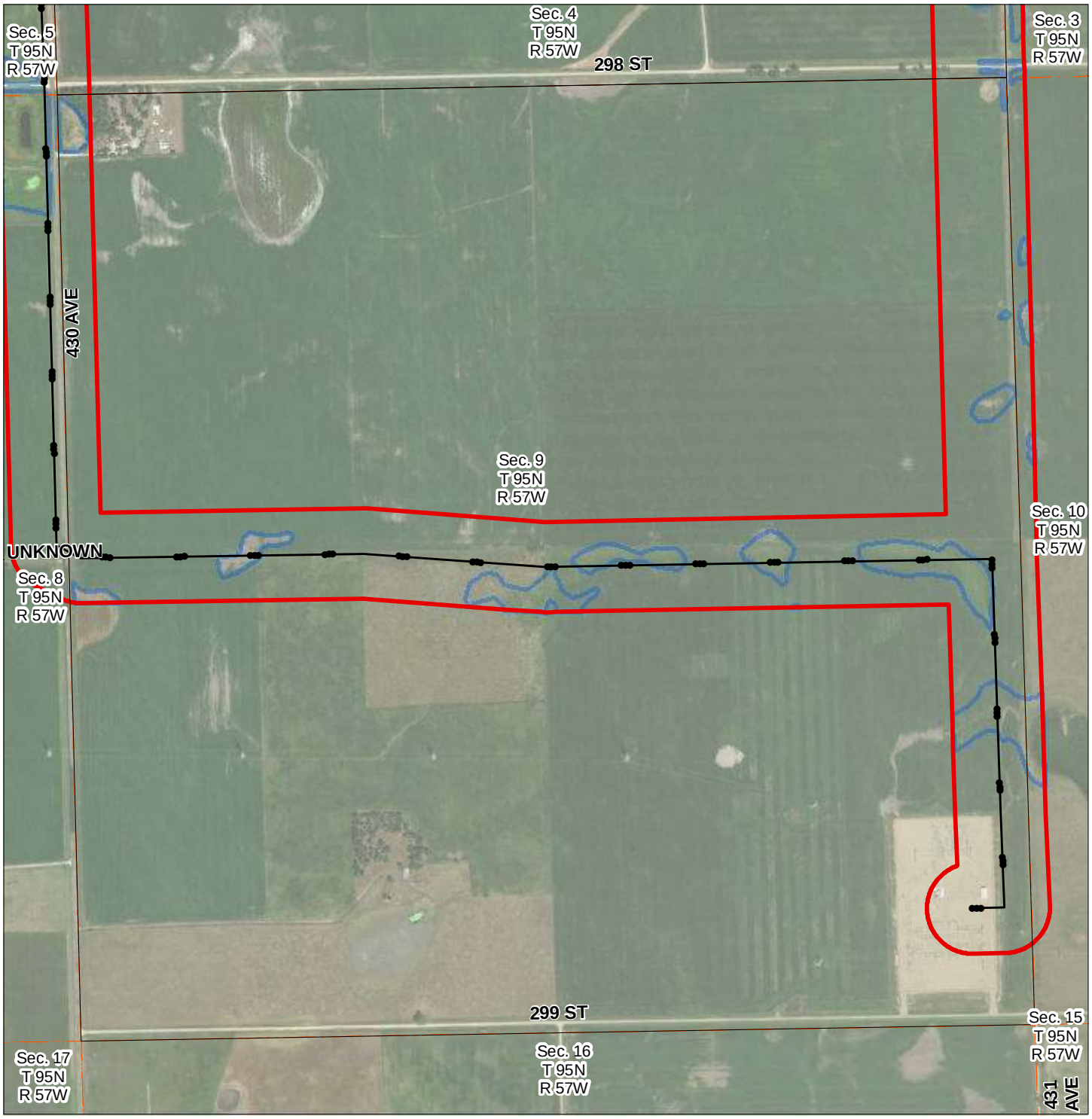

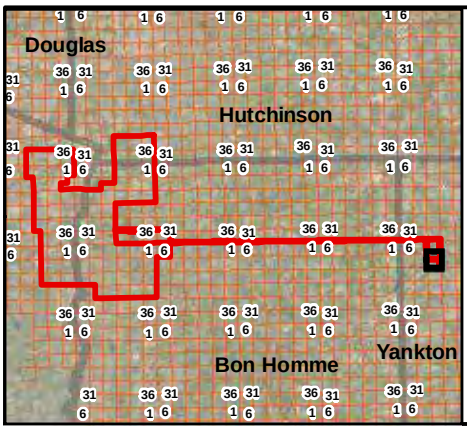

Legend

- Project Area (2018)
- Transmission Line
- PLSS - Sections
- Windshield & Desktop Determined Wetlands
- Desktop Determined Wetlands

Wetland Determination Study Area (April 2018) Prevailing Wind Park

Bon Homme, Charles Mix, Hutchinson, and Yankton County, South Dakota

0 800 Feet

Figure 2 - 109

Document Path: H:\GIS\Projects\Carstensen_Energy\Prevailing_Winds\Map_Docs\Desktop_Survey_2018\Prevailing_Winds_2018_DesktopWetlands_Fig2_2018_04.mxd