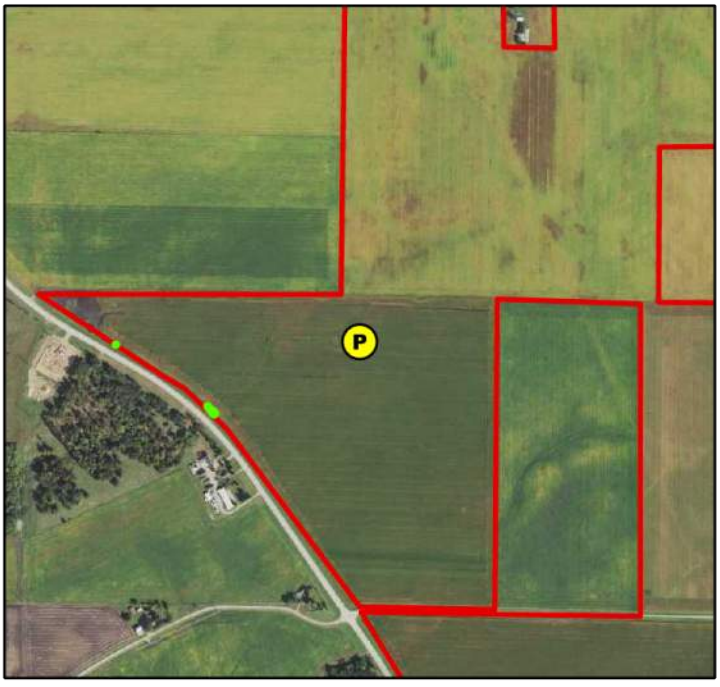
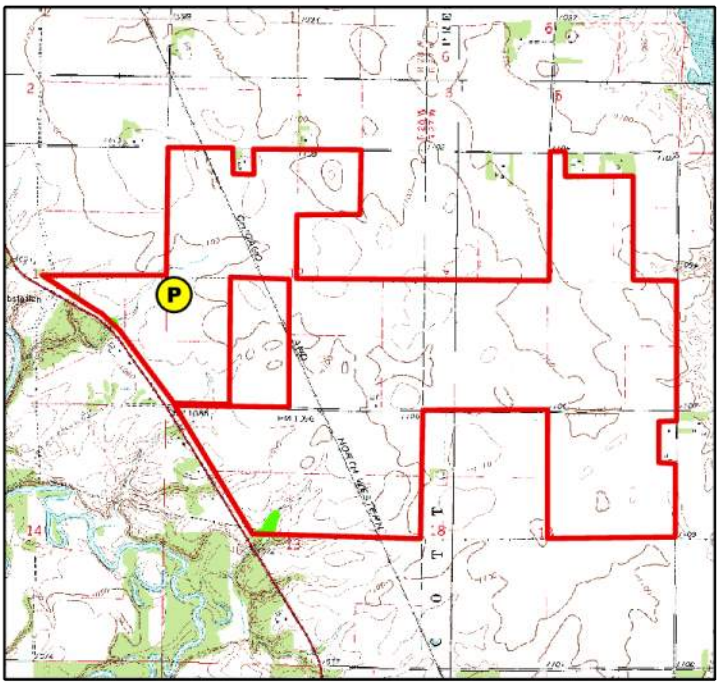
Winnebago Solar and Storage Project
Delineation Site Photograph

Westwood
Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.





Winnebago Solar and Storage Delineation Site Photograph

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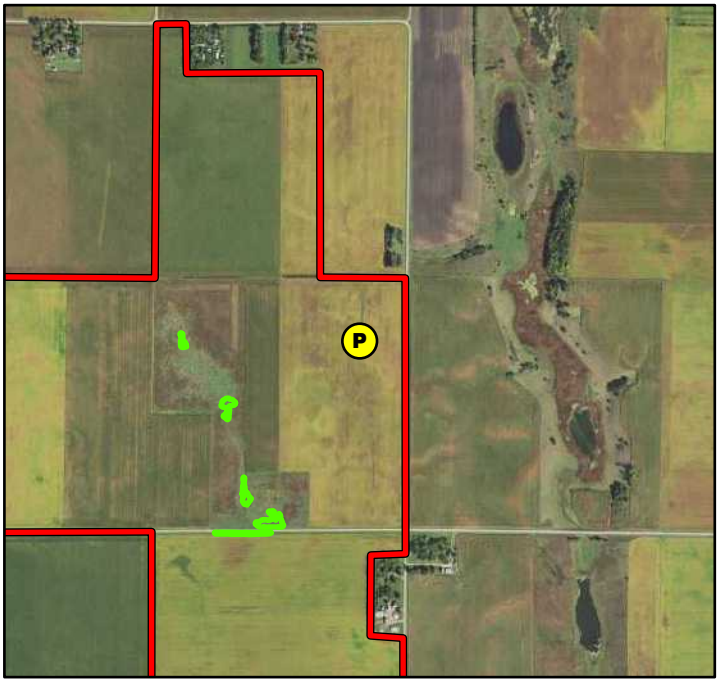

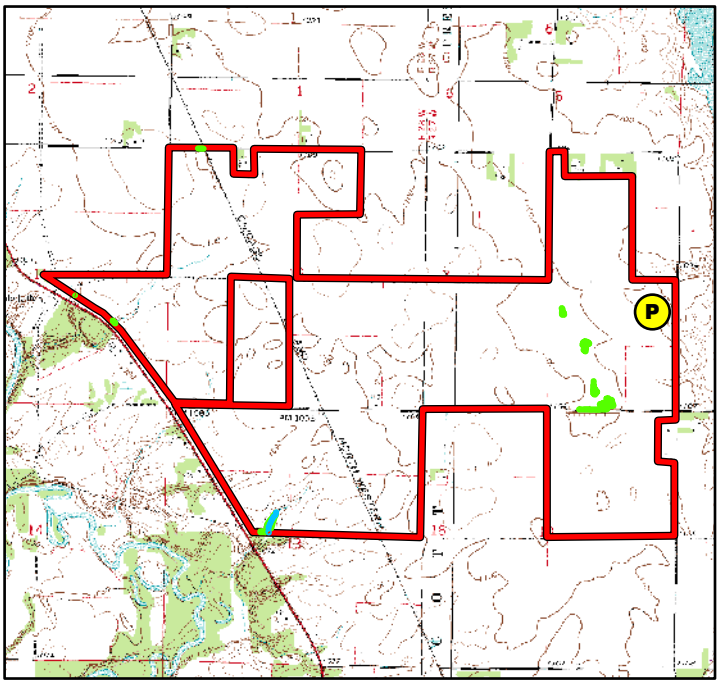

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Delineation Site Photograph

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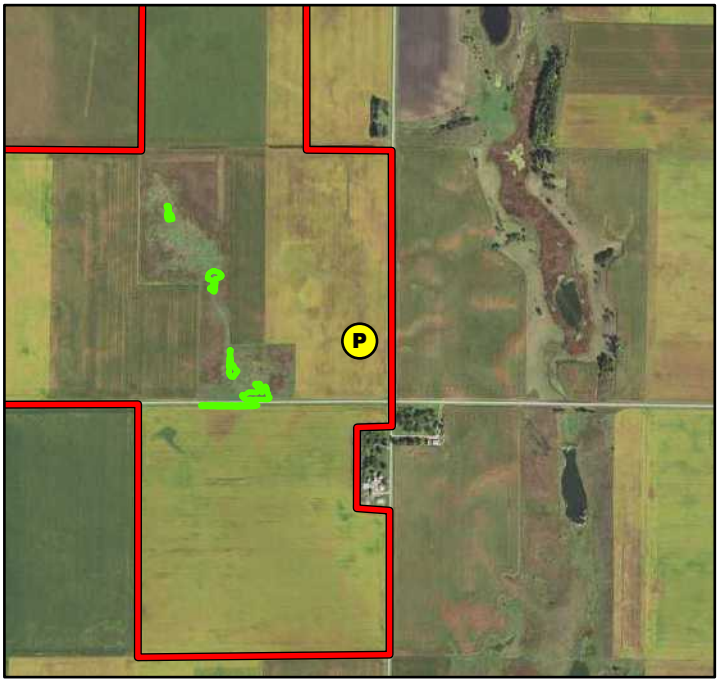

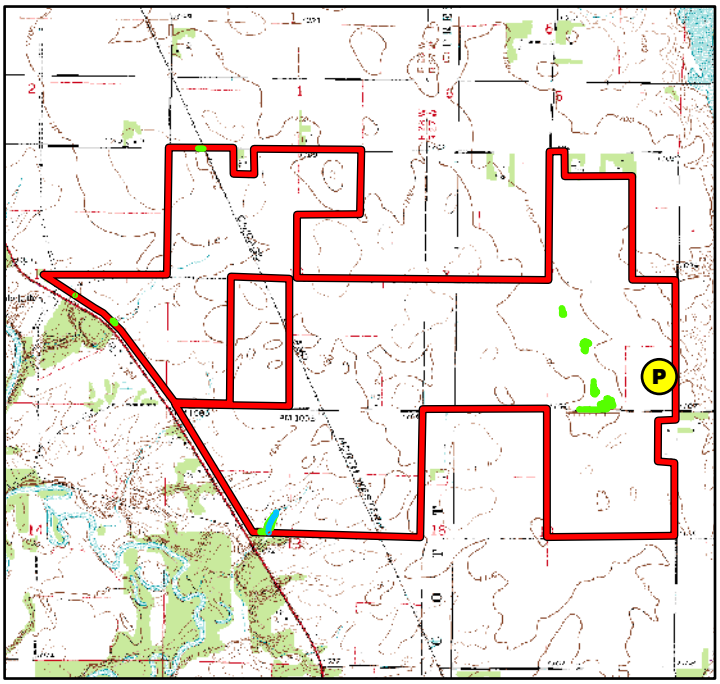

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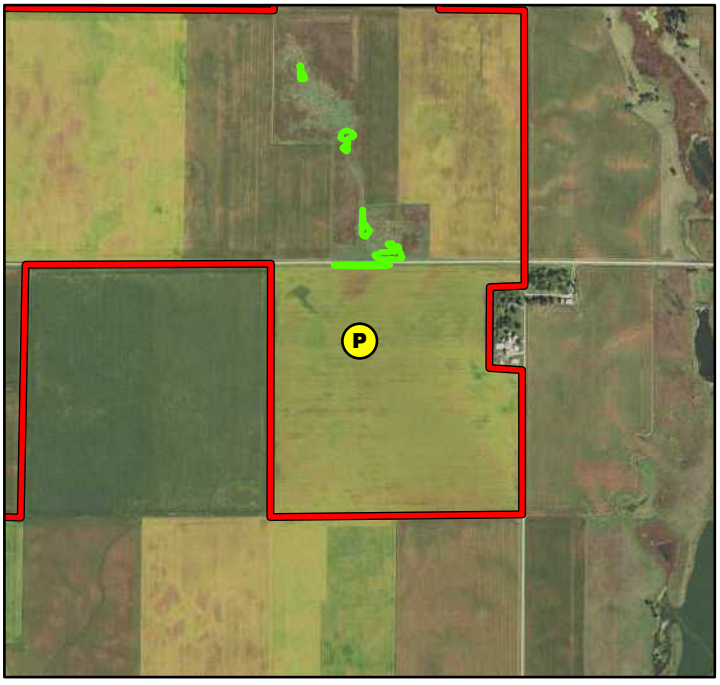

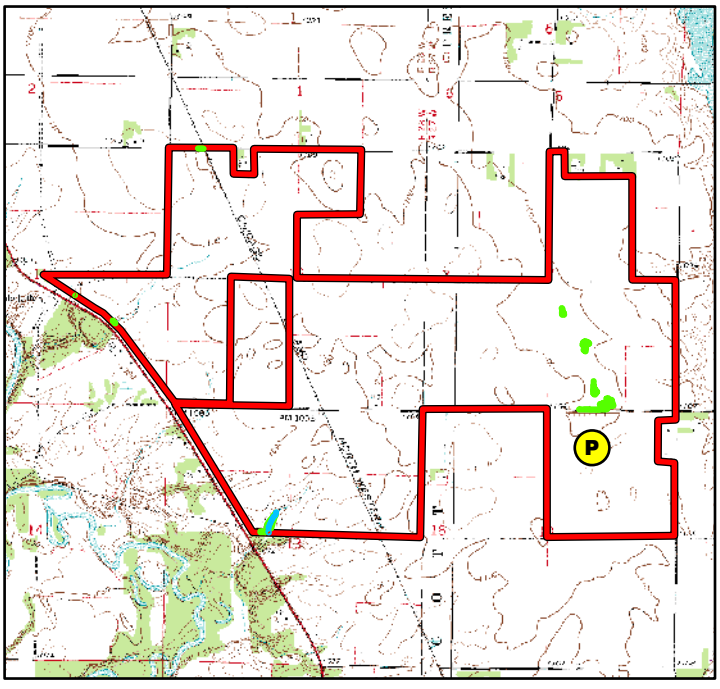

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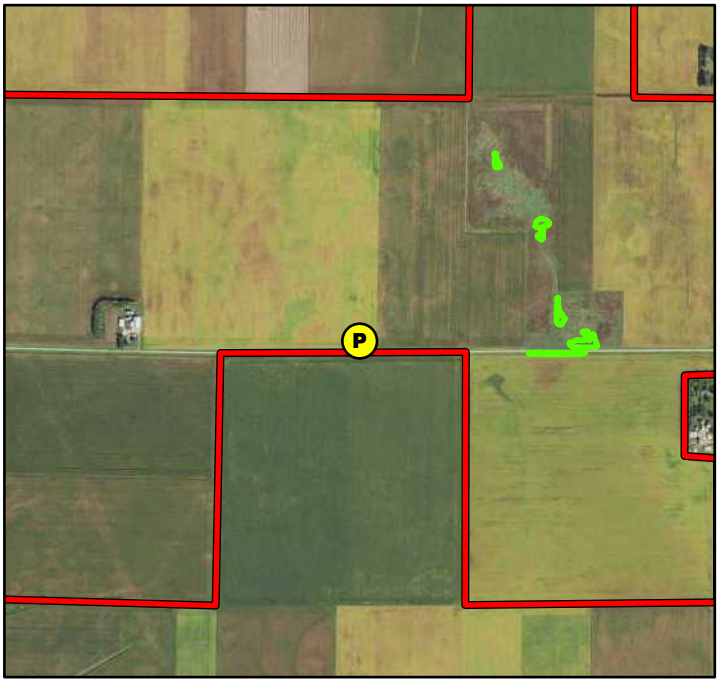

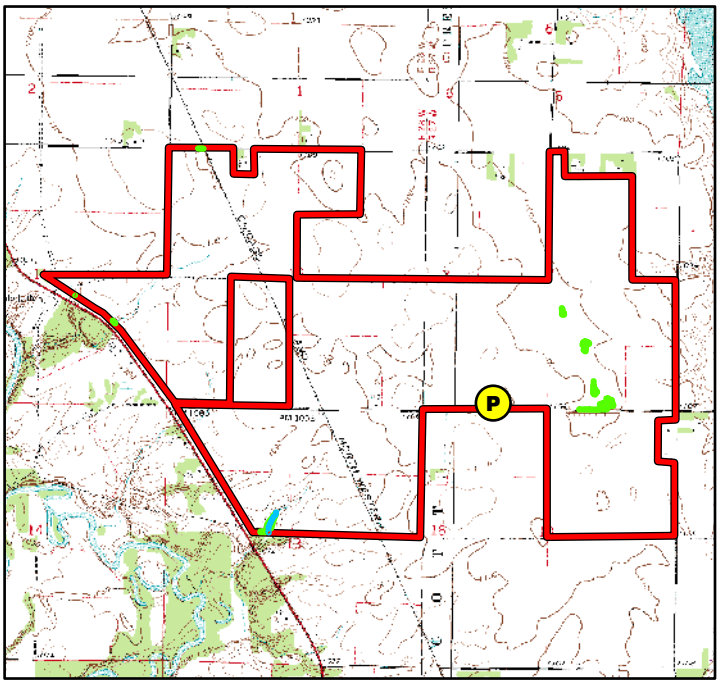

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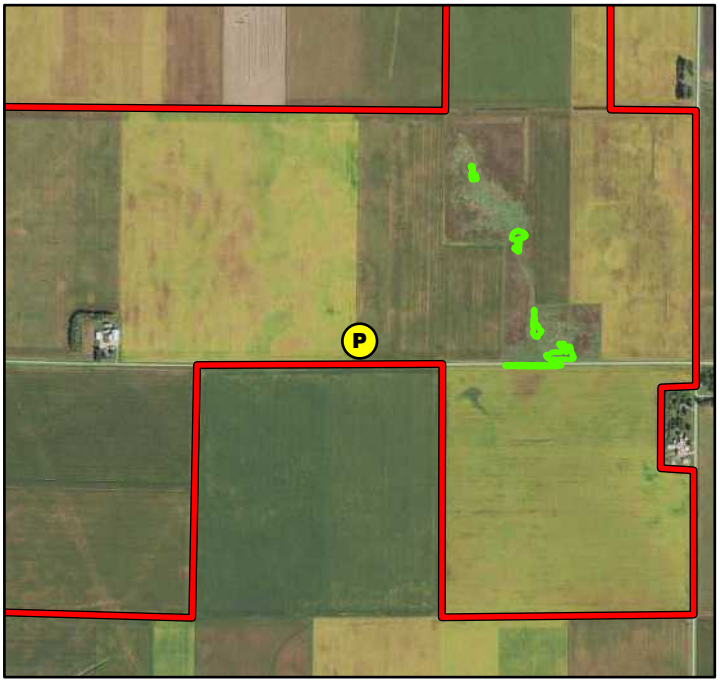

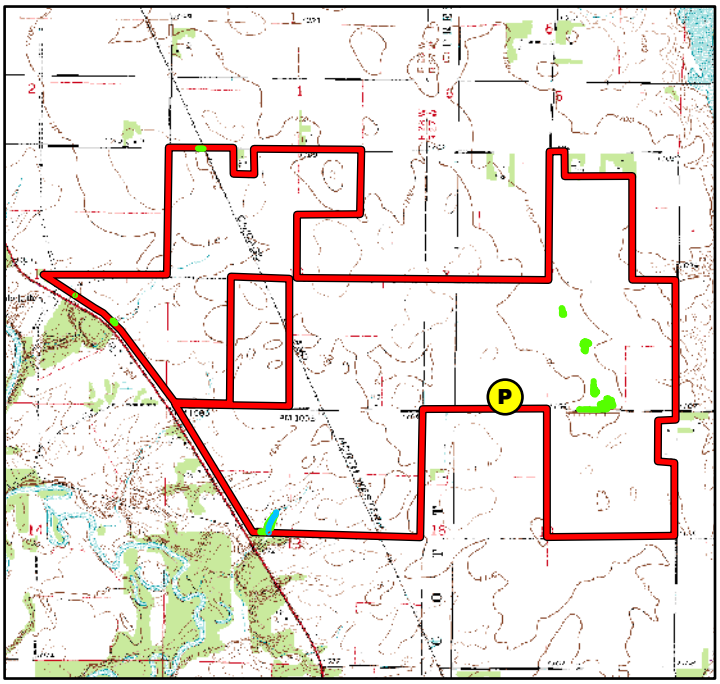

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Delineation Site Photograph

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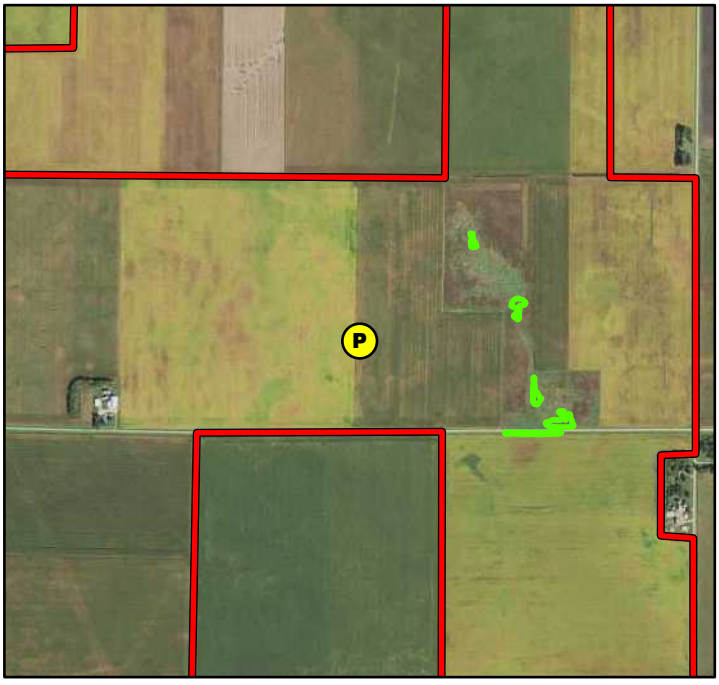
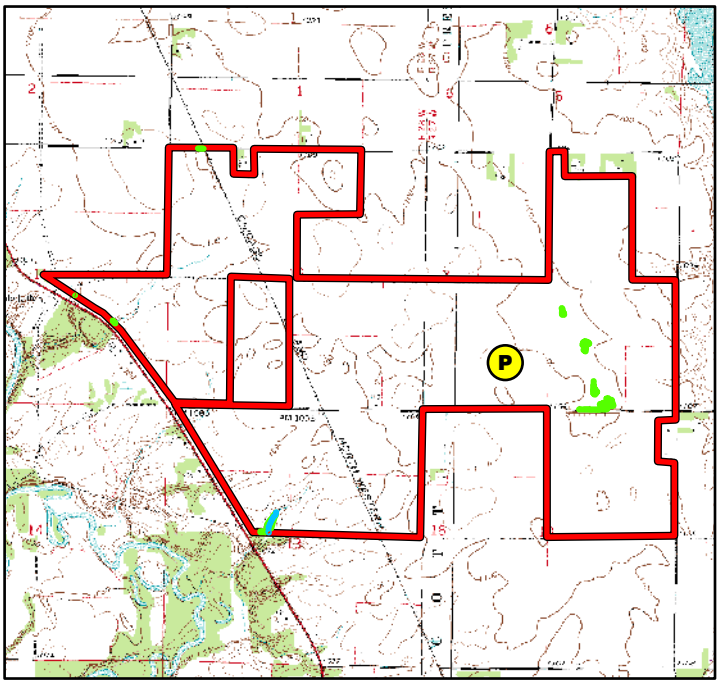
Westwood Professional Services, Inc.





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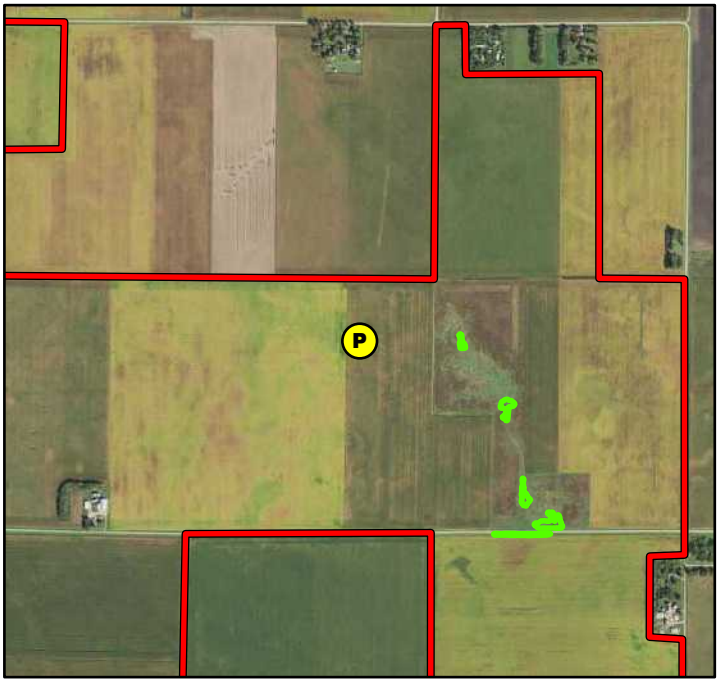

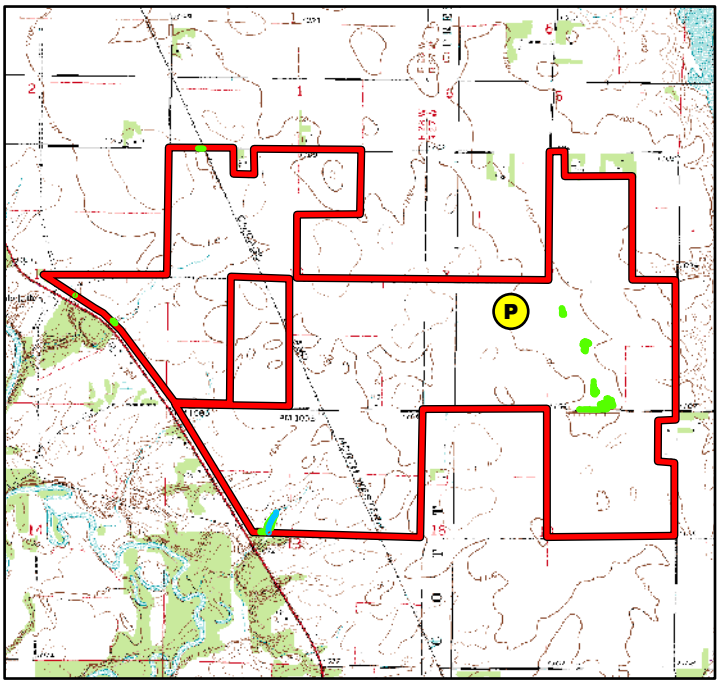

Winnebago Solar and Storage
Delineation Site Photograph

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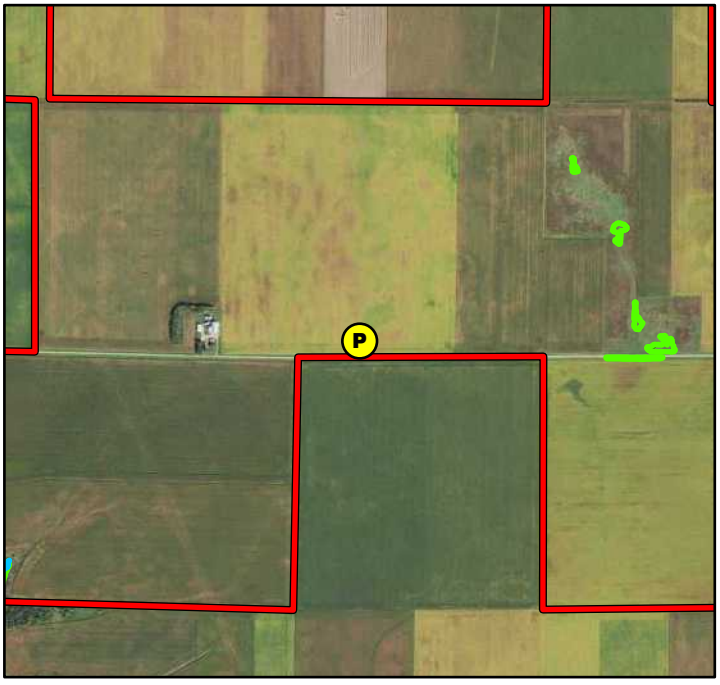

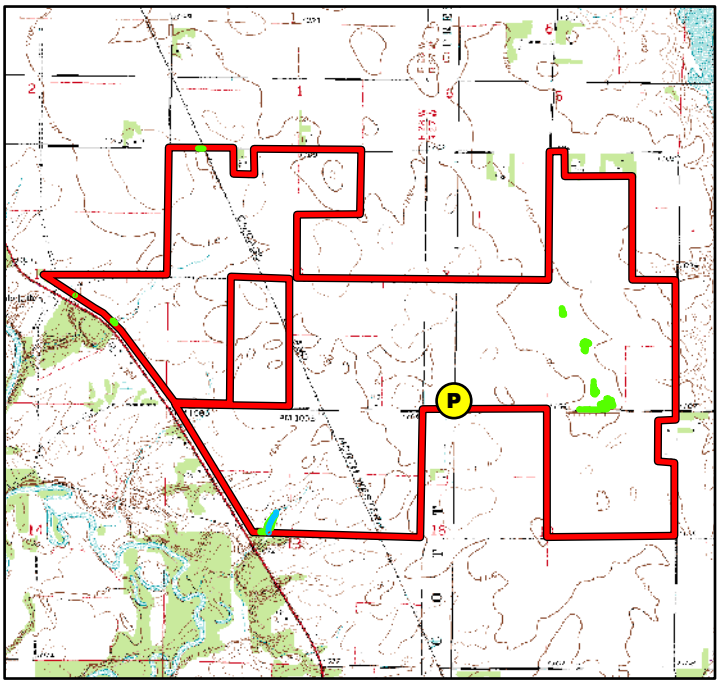

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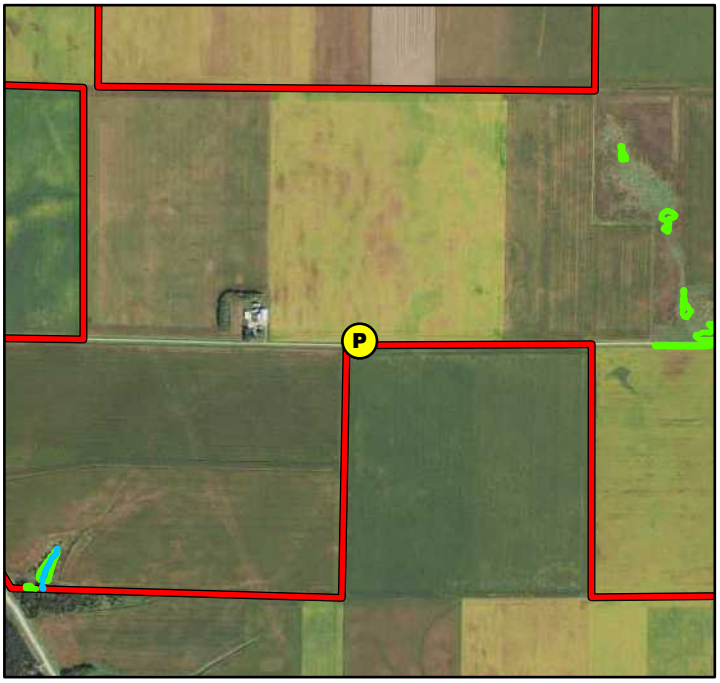

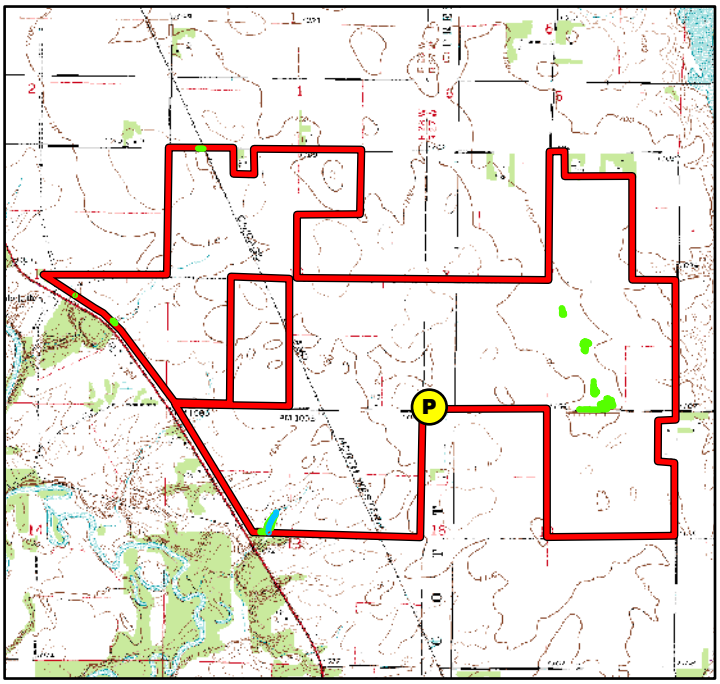

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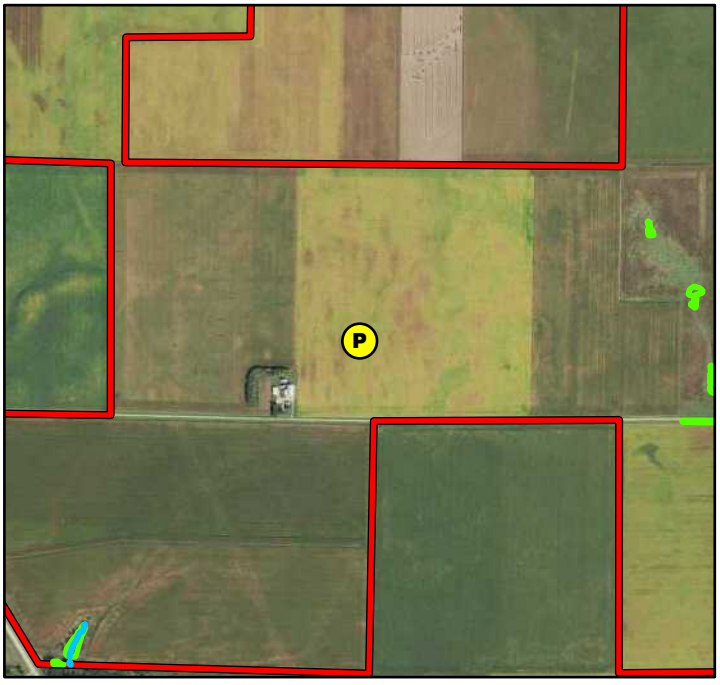

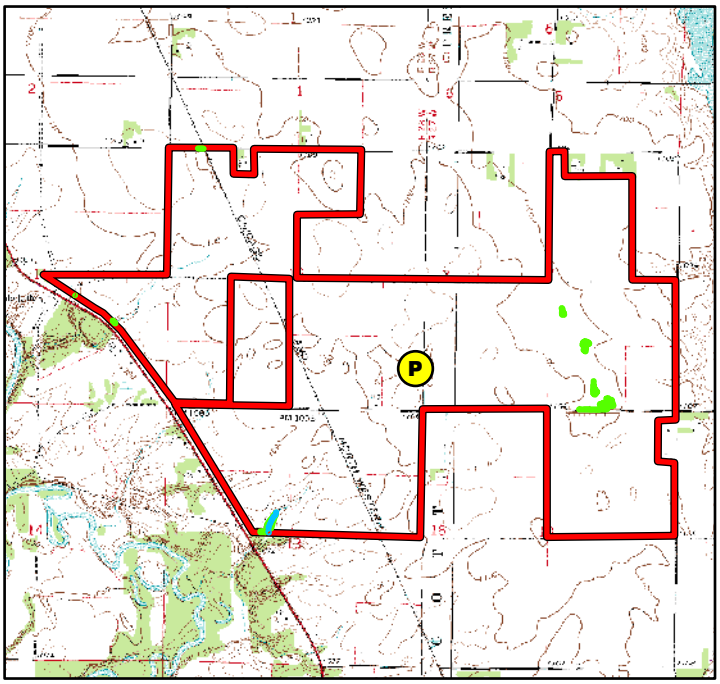

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Delineation Site Photograph

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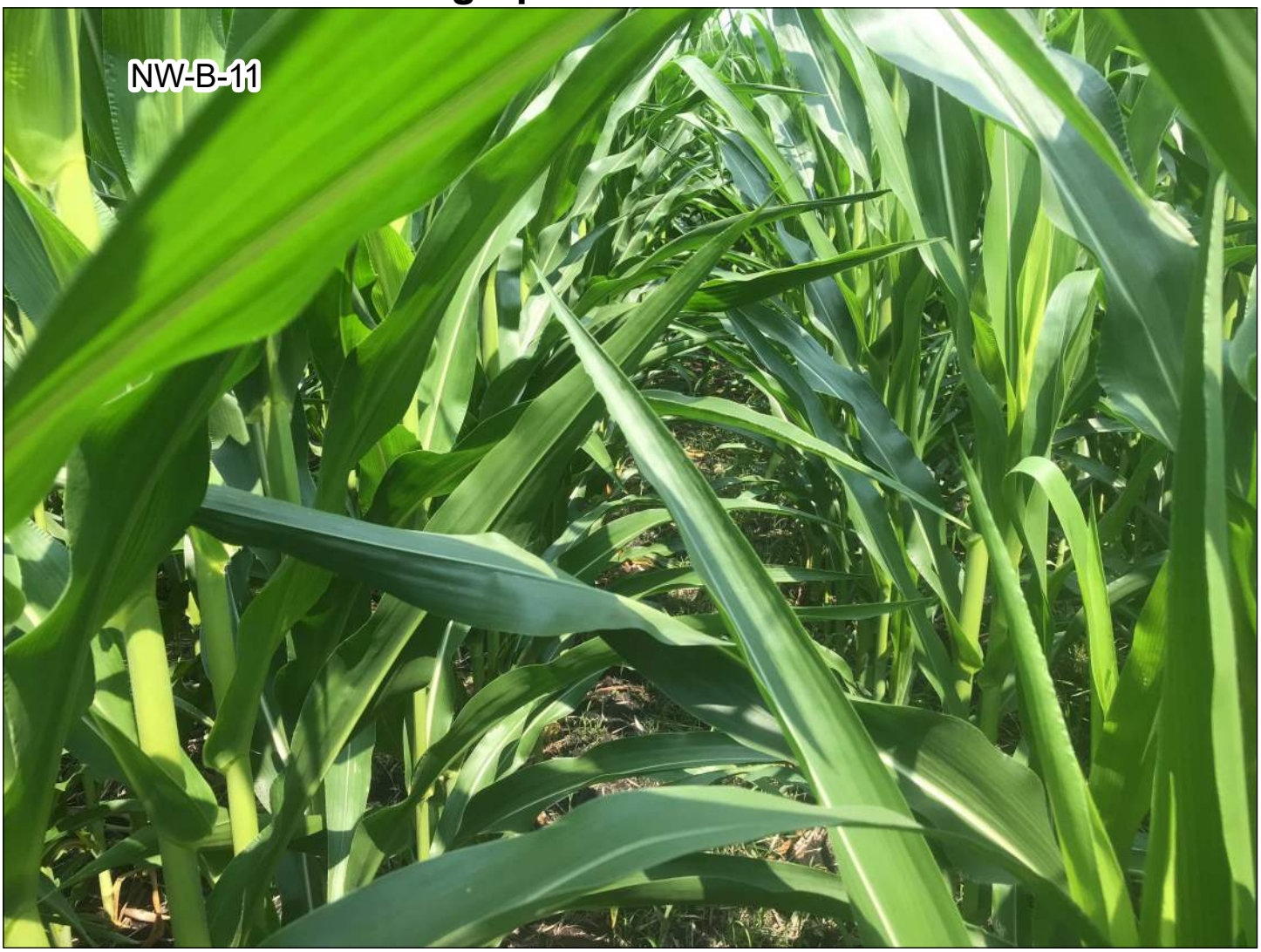

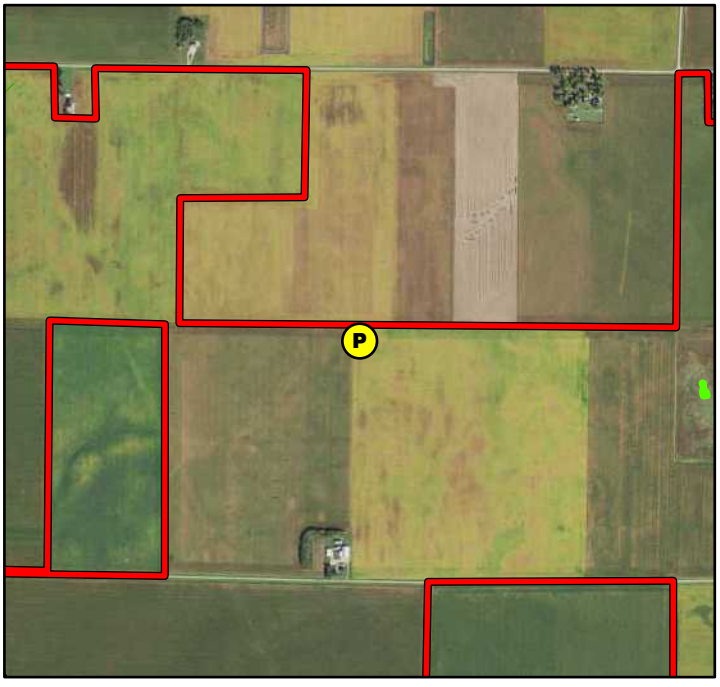

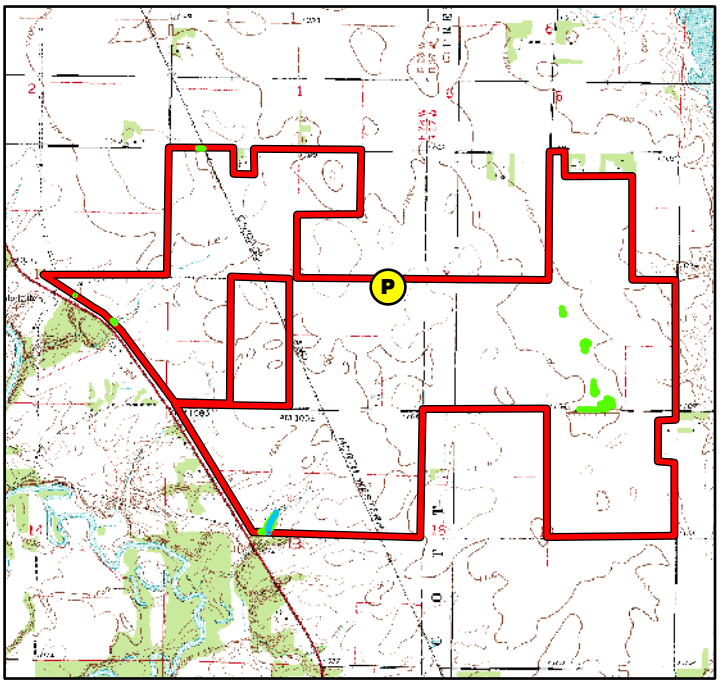

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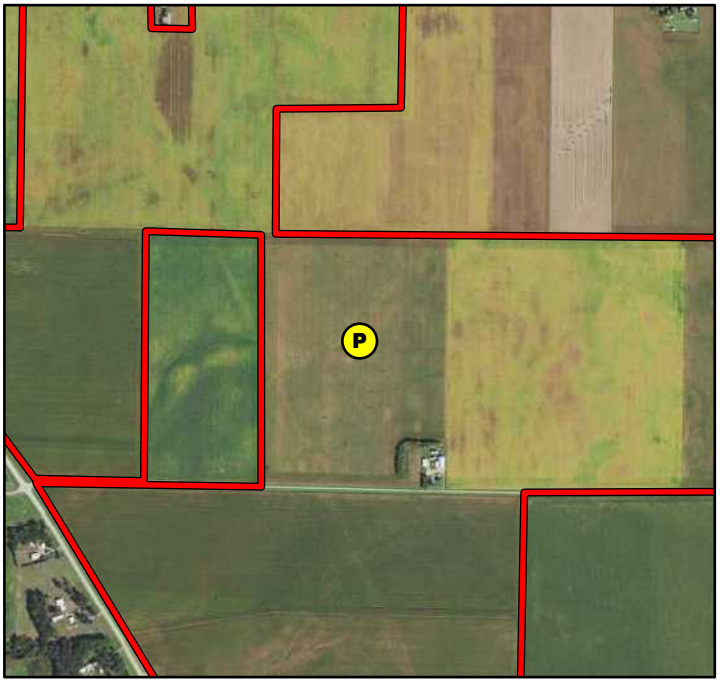

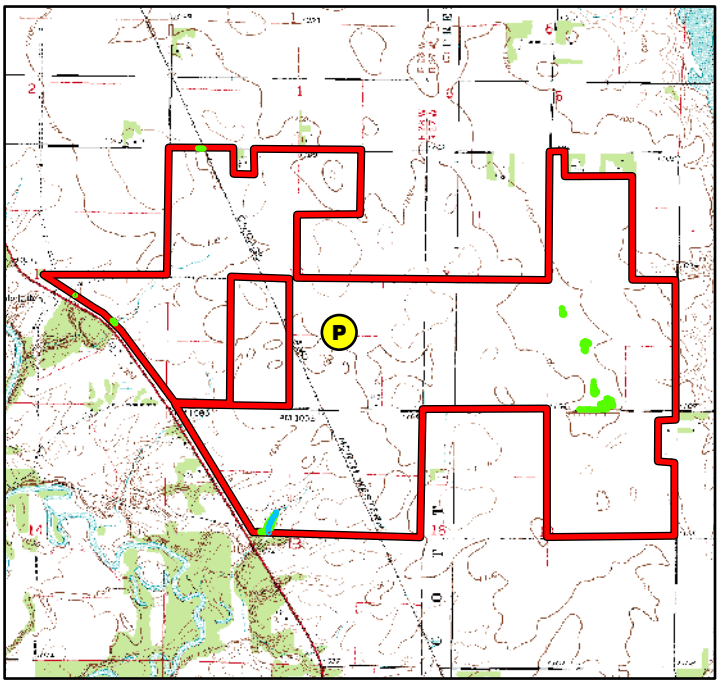

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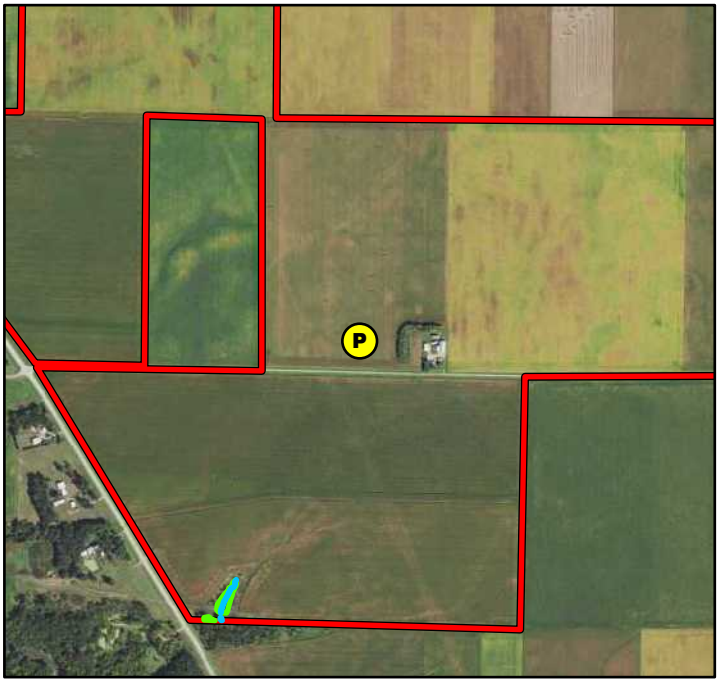

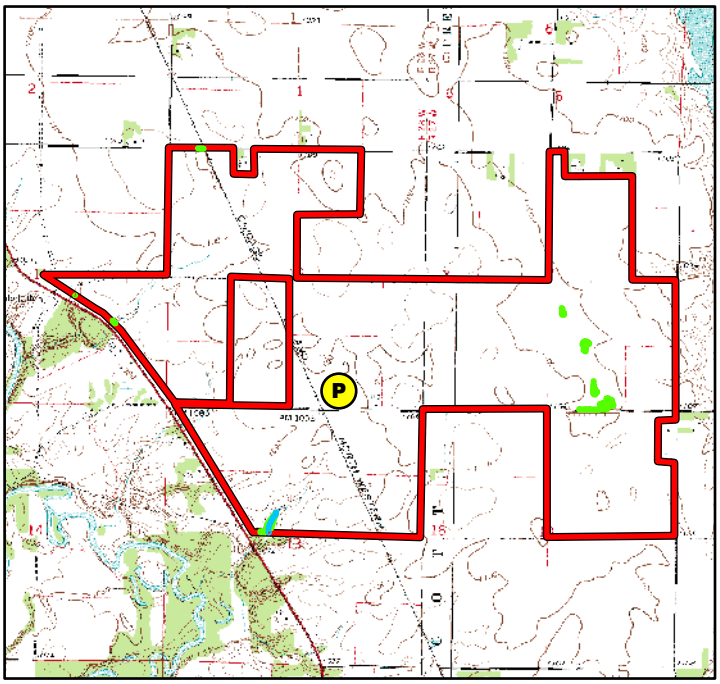

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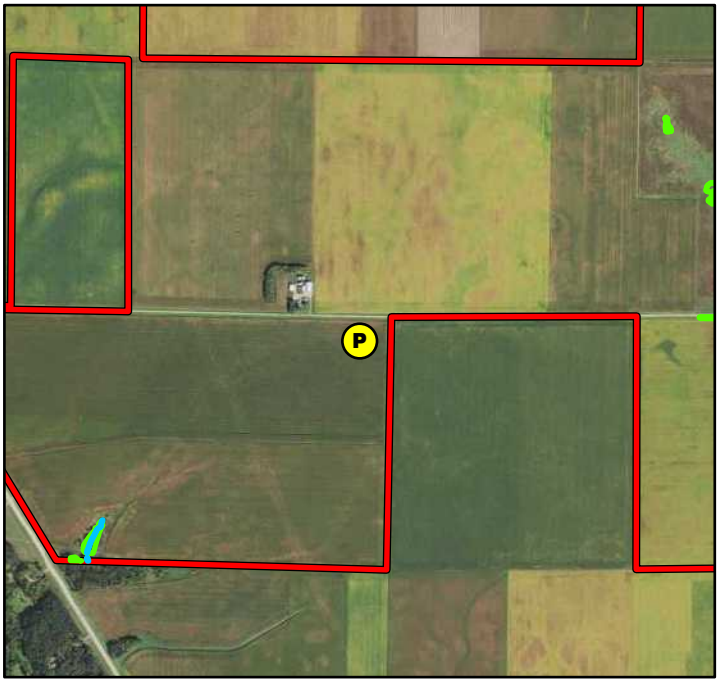

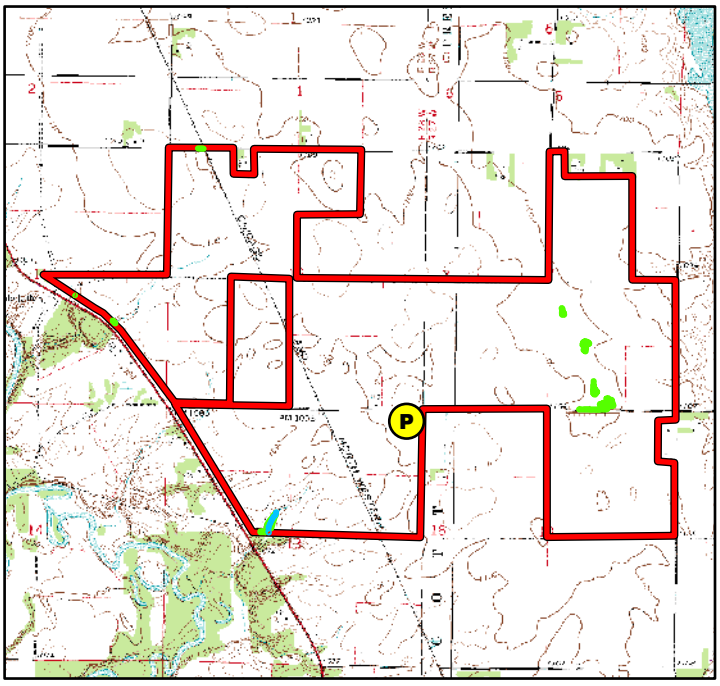

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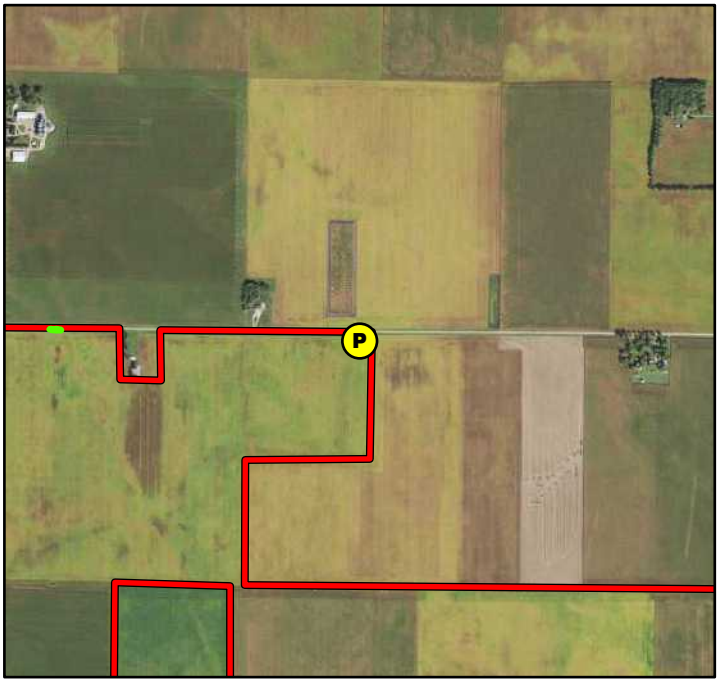

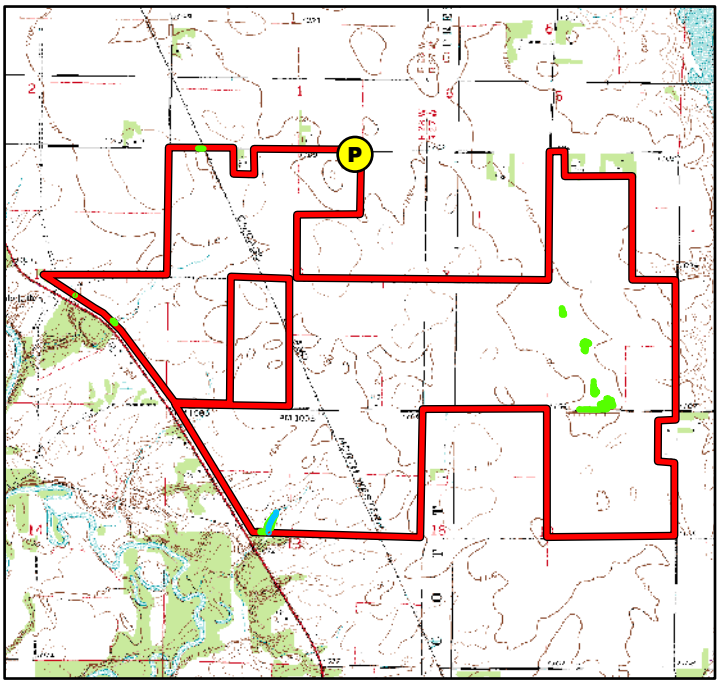

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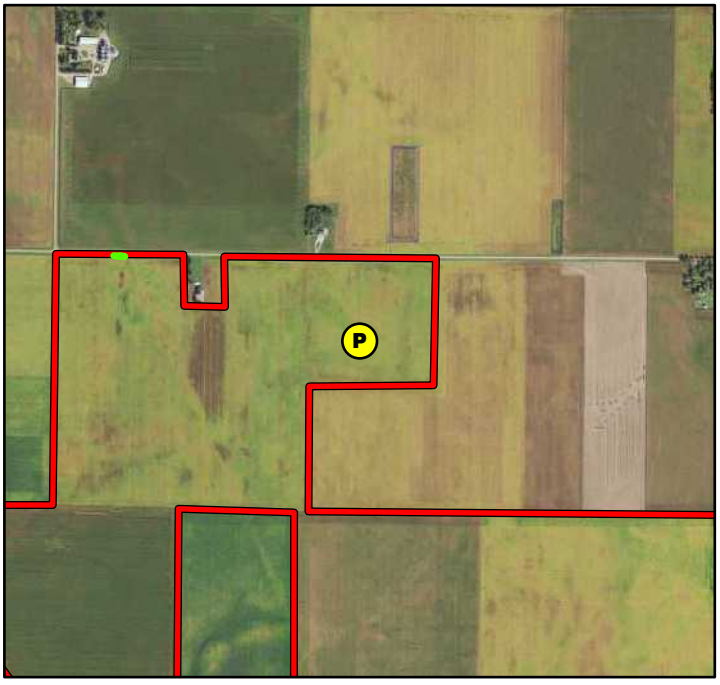

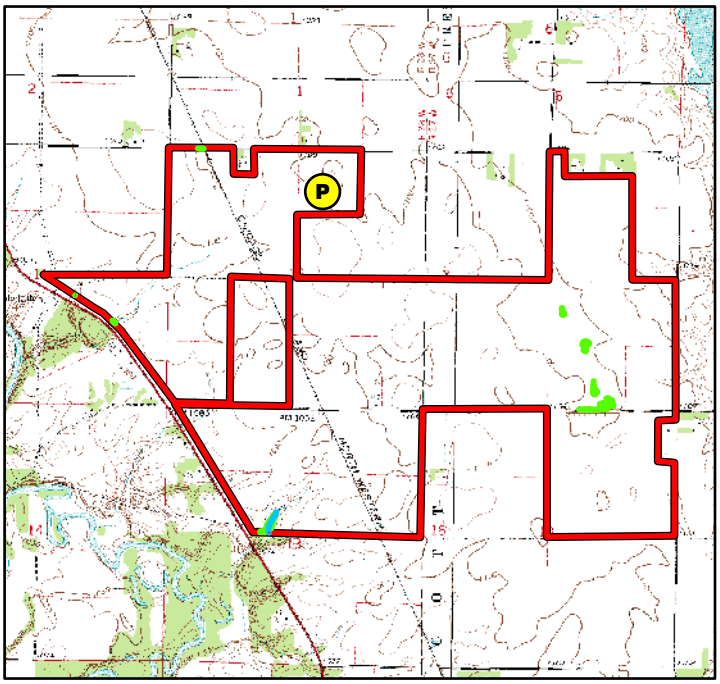

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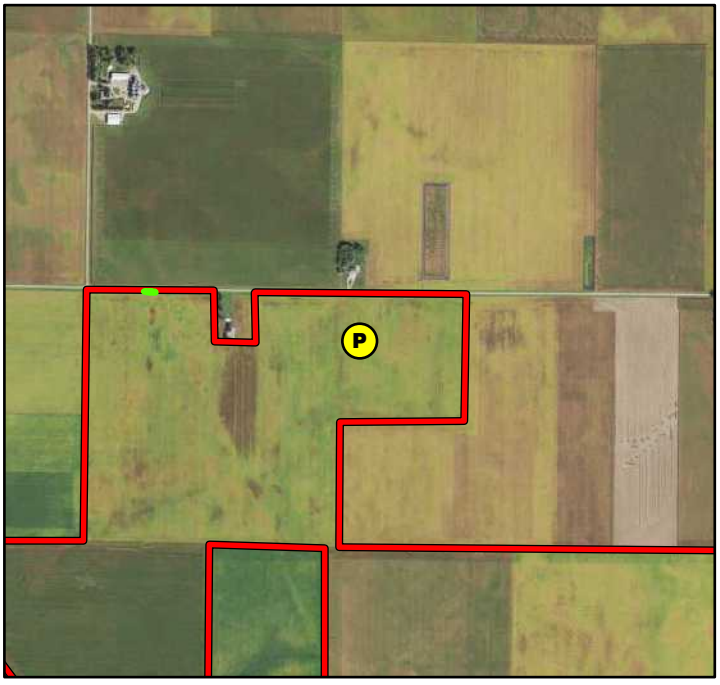

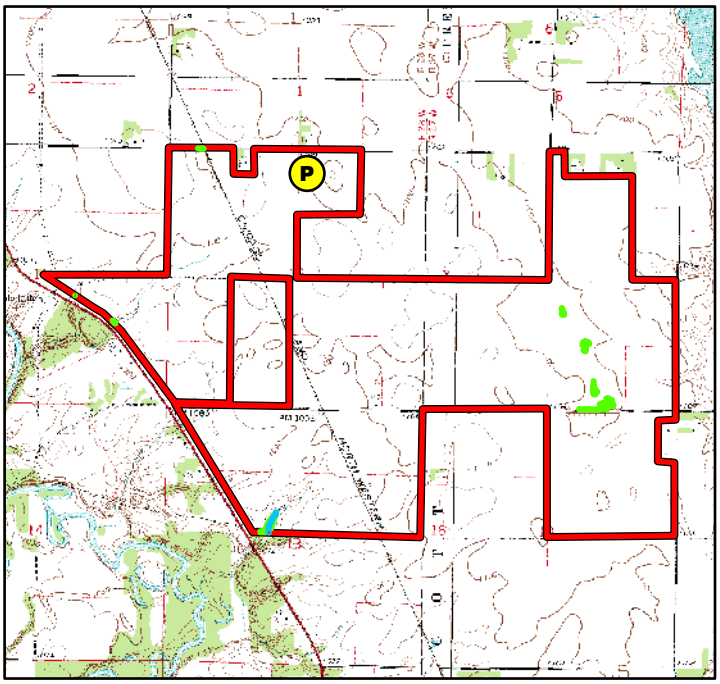

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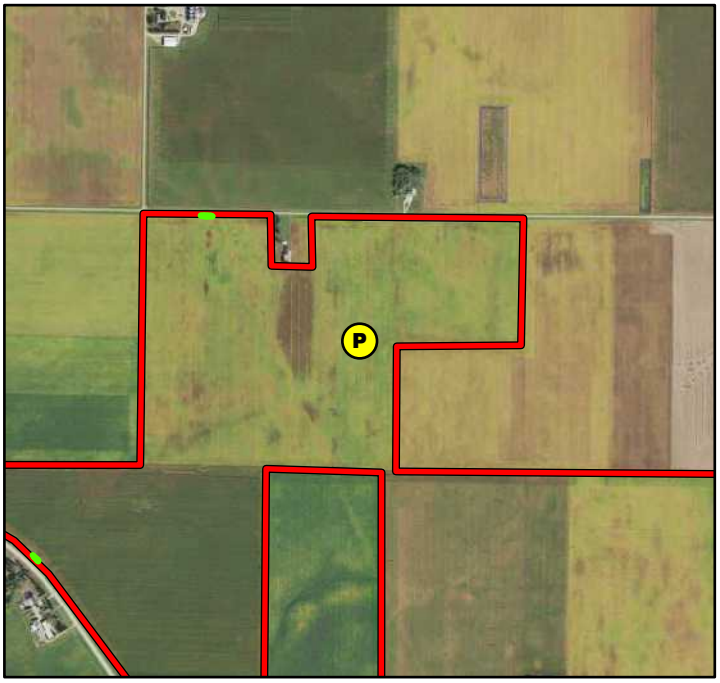

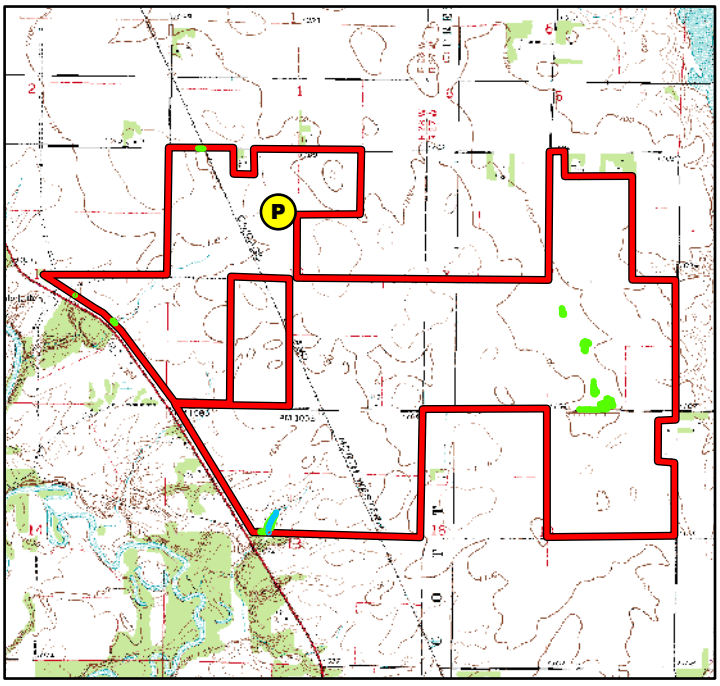

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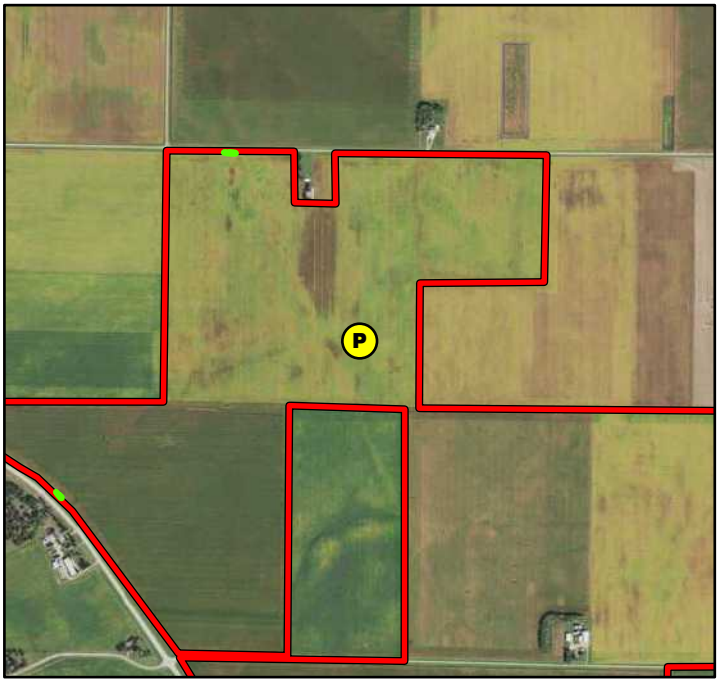

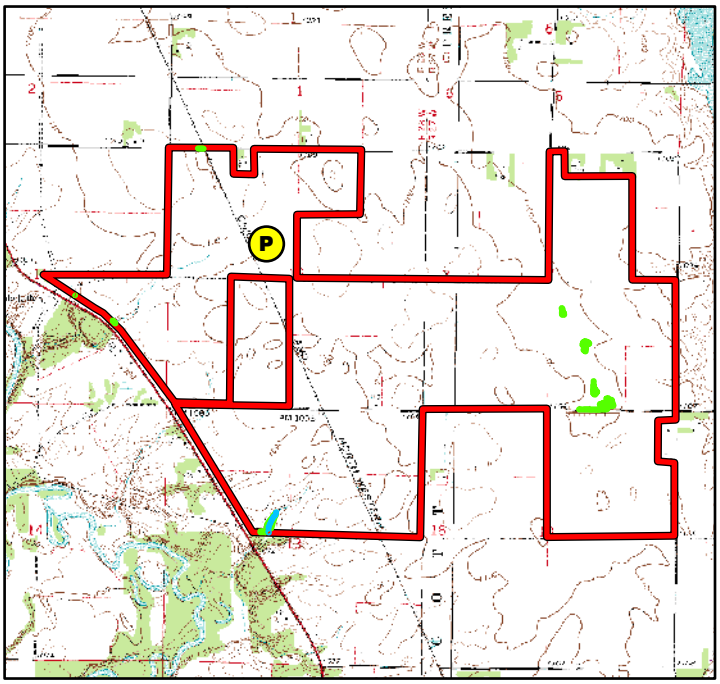

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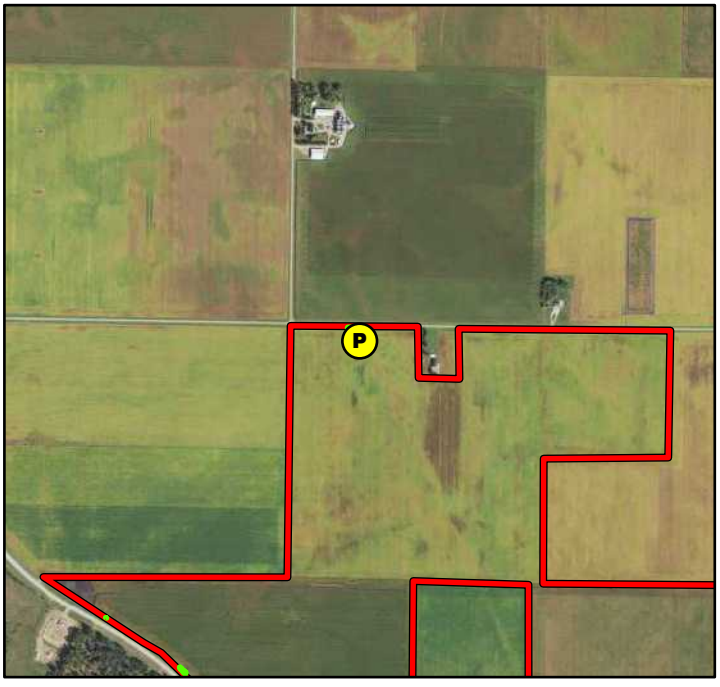

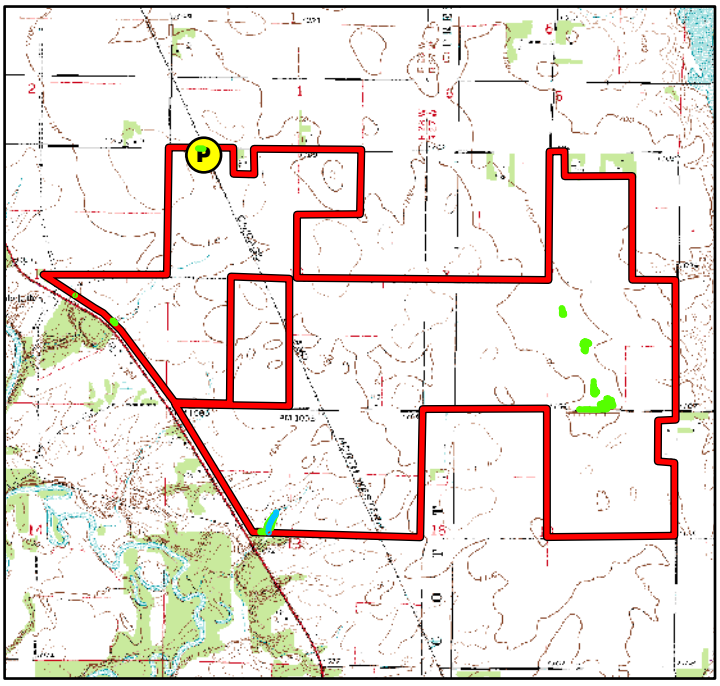

Westwood

Appendix C

Watercourse Delineation Photographs and Data Forms

Winnebago Solar and Storage Project

Faribault County, Minnesota

Winnebago Solar and Storage Project
Delineation Site Photograph

Westwood
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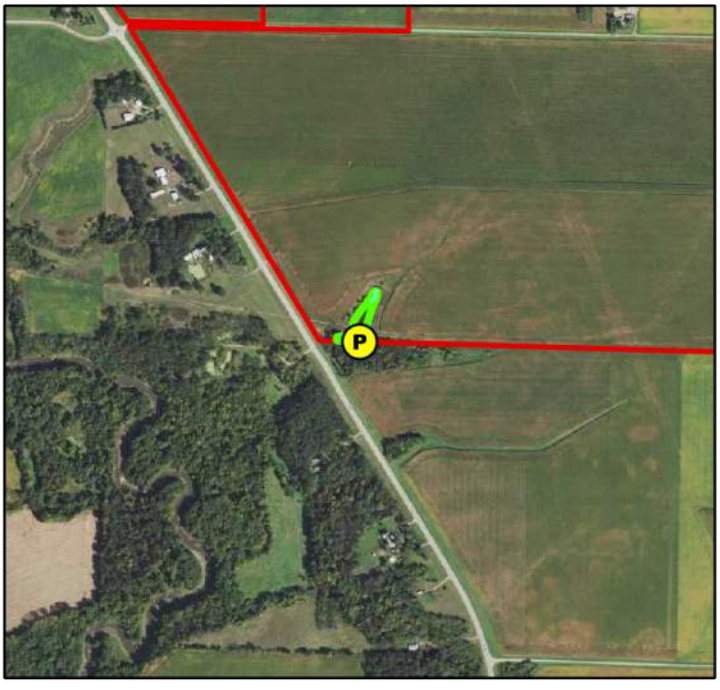
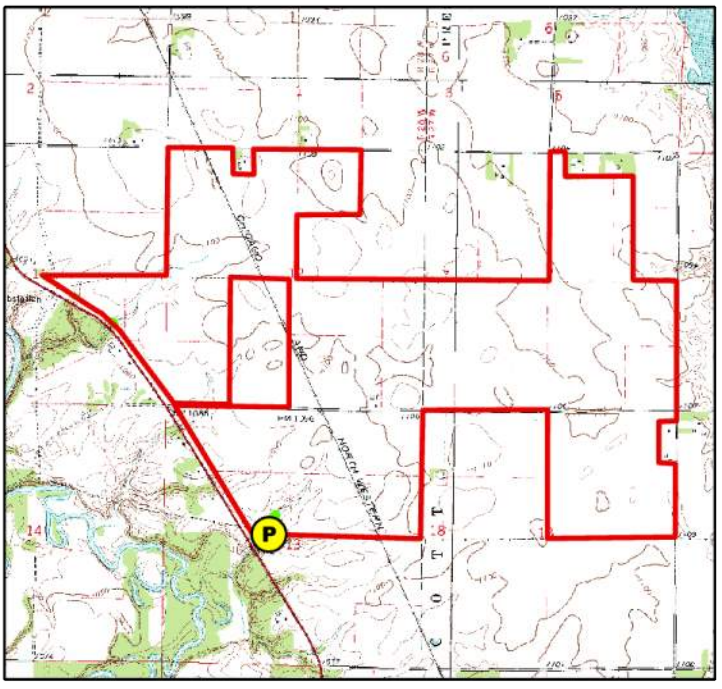
Westwood Professional Services, Inc.

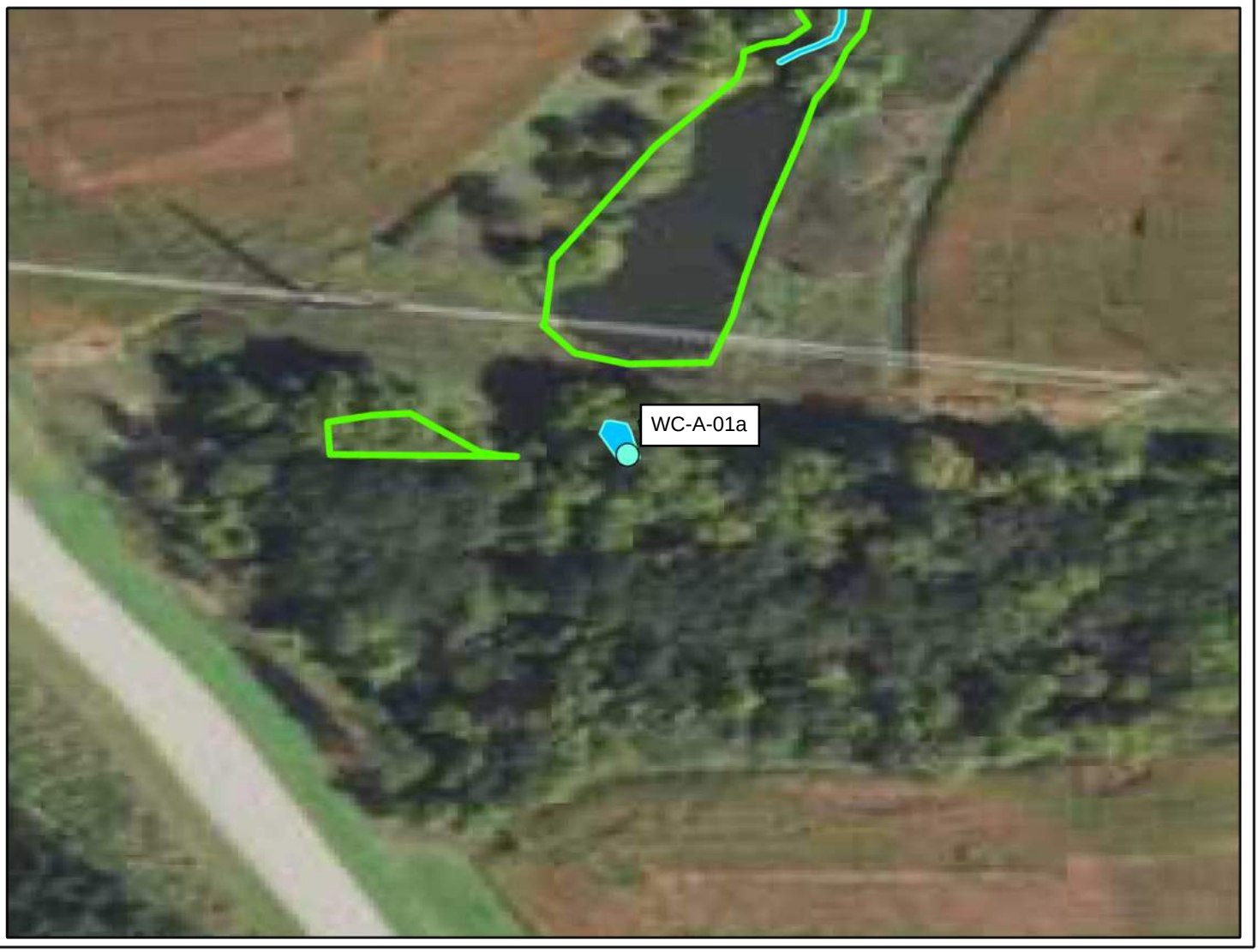




Winnebago Solar and Storage Project
Watercourse Data Form

Westwood
Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.

Attributes	
Feature ID	WC-A-01a
Defined Bed & Bank	Yes
Waters of the US	No
Mapped on NHD	Yes
Mapped on NWI	No
Investigator	ALM
Flow Characteristics	Intermittent
Direction of the Flow	SW
Water Width at Observation Point (ft)	4
Water Depth at Observation Point (ft)	0.5
Left Bank Height (ft) - Looking Downstream	4.5
Right Bank Height (ft) - Looking Downstream	4.5
OHWM Width (ft)	8
OHWM Height (ft from Substrate)	2.5
Evidence of Scour or Erosion	Yes
OHWM Criteria	natural_line,bed_bank,plant_community_change,scour
Pools, Riffles, Runs Present?	pools,runs
Substrate	Silt



Winnebago Solar and Storage Project
Delineation Site Photograph

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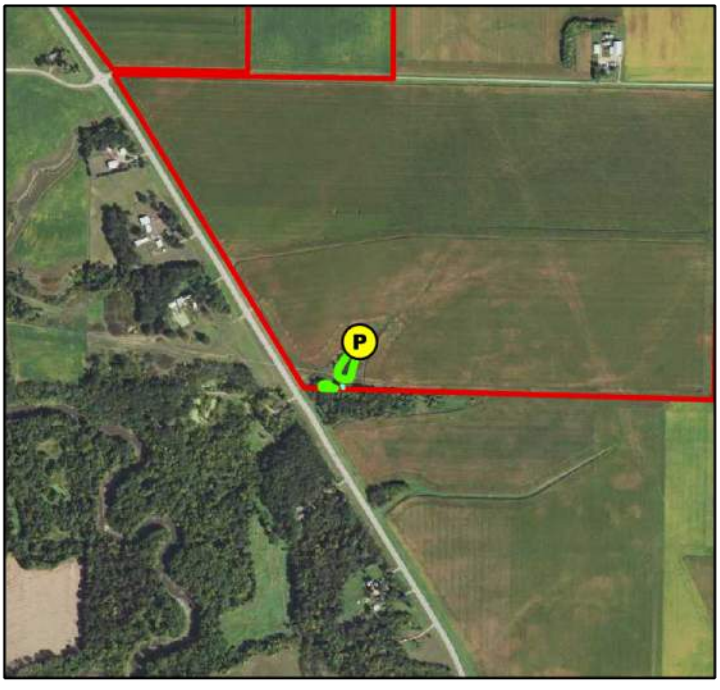

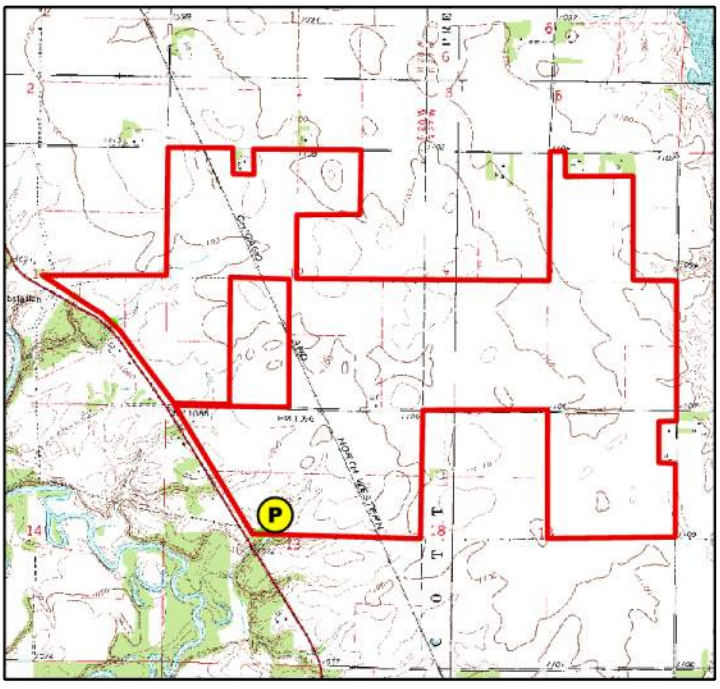

Winnebago Solar and Storage Project
Watercourse Data Form

Westwood
Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.

Attributes	
Feature ID	WC-A-01b
Defined Bed & Bank	Yes
Waters of the US	No
Mapped on NHD	Yes
Mapped on NWI	No
Investigator	ALM
Flow Characteristics	Intermittent
Direction of the Flow	SW
Water Width at Observation Point (ft)	4
Water Depth at Observation Point (ft)	3.5
Left Bank Height (ft) - Looking Downstream	4
Right Bank Height (ft) - Looking Downstream	4
OHWM Width (ft)	4
OHWM Height (ft from Substrate)	4
Evidence of Scour or Erosion	No
OHWM Criteria	bed_bank,plant_community_change
Pools, Riffles, Runs Present?	pools,runs
Substrate	Silt

Winnebago Solar and Storage Project
Delineation Site Photograph

Westwood
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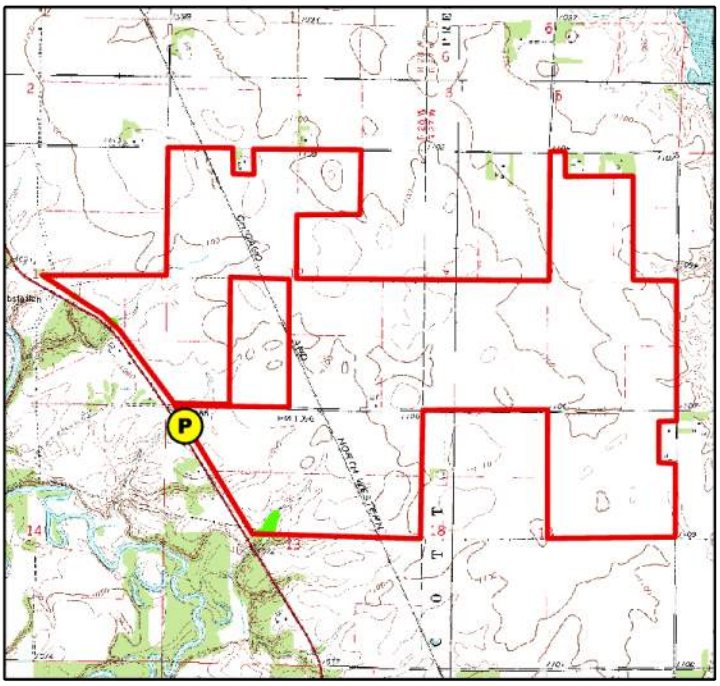
Westwood Professional Services, Inc.

NWC-A-01



Winnebago Solar and Storage Project
Watercourse Data Form

Westwood
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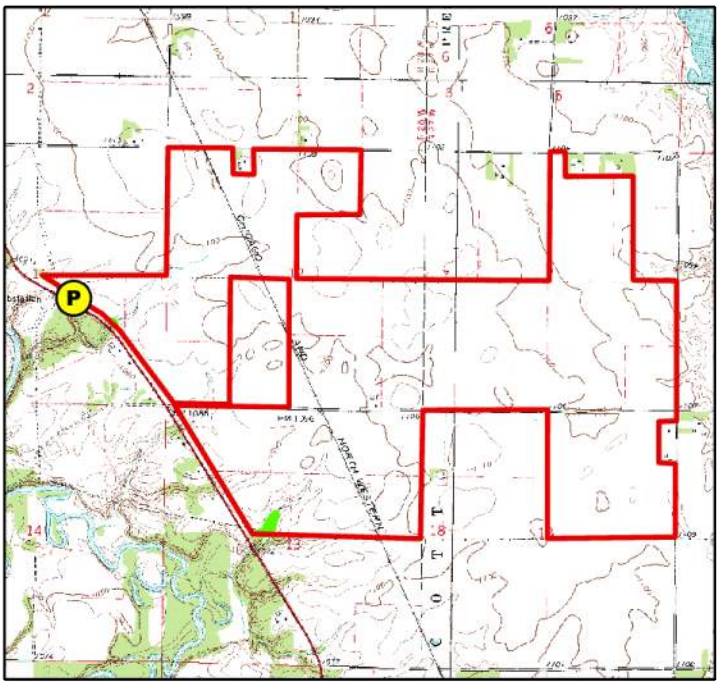
Westwood Professional Services, Inc.

Attributes	
Feature ID	NWC-A-01
Defined Bed & Bank	No
Waters of the US	No
Mapped on NHD	Yes
Mapped on NWI	No
Investigator	ALM
Flow Characteristics	N/A - no feature at sample point
Direction of the Flow	
Water Width at Observation Point (ft)	
Water Depth at Observation Point (ft)	
Left Bank Height (ft) - Looking Downstream	
Right Bank Height (ft) - Looking Downstream	
OHWM Width (ft)	
OHWM Height (ft from Substrate)	
Evidence of Scour or Erosion	
OHWM Criteria	
Pools, Riffles, Runs Present?	
Substrate	

Winnebago Solar and Storage Project
Delineation Site Photograph

Westwood
Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.

NWC-A-02



Winnebago Solar and Storage Project
Watercourse Data Form

Westwood
Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.

Attributes	
Feature ID	NWC-A-02
Defined Bed & Bank	No
Waters of the US	No
Mapped on NHD	Yes
Mapped on NWI	No
Investigator	ALM
Flow Characteristics	N/A - no feature at sample point
Direction of the Flow	
Water Width at Observation Point (ft)	
Water Depth at Observation Point (ft)	
Left Bank Height (ft) - Looking Downstream	
Right Bank Height (ft) - Looking Downstream	
OHWM Width (ft)	
OHWM Height (ft from Substrate)	
Evidence of Scour or Erosion	
OHWM Criteria	
Pools, Riffles, Runs Present?	
Substrate	

Westwood

Appendix D

Offsite Hydrology Review

Winnebago Solar and Storage Project

Faribault County, Minnesota

Hydrology Assessment with Aerial Imagery-Recording Form[1]

Project Name: Winnebago Solar Facility and Battery Storage Date: 6/17/2020 County: Faribault

Investigator: R.Cress Legal Description (S, T, R): T103N R28W Sec 11, 12, 13, 14/ T103N R27W Sec 7

Summary Table

Photo Year[2]	Image Source[2]	Actual/ Estimated Photo Date[3]	Climate condition (wet, dry, normal)[4,5]	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, etc.)[6]						
				SA1	SA2	SA3	SA4	SA5	SA6	SA7
2017	WMS (FSA)	9/20	Dry	CS	NV	NV	NV	NV	NV	DO
2015	WMS (FSA)	8/1	Normal	NV	NV	NV	NV	NV	NV	CS
2013 *	WMS (FSA)	7/12	Wet	SWS	SWS	DO	CS	SWS	SWS	CS
2011	WMS (DNR)	4/15	Wet	SWS	NV	SWS	NV	NV	SWS (sm)	SWS
2010	WMS (FSA)	7/1	Normal	NV	NV	SWS	NV	NV	NV	SWS
2009	WMS (FSA)	7/25	Dry	NV	NV	NV	DP	NV	NV	CS
2008	WMS (FSA)	7/5	Normal	CS	NV	CS	NV	NV	NV	NV
2006	Google Earth	5/31	Wet	NV	NV	NV	NV	NV	NV	CS
2004	Google Earth	8/2	Normal	NV	NV	SWS	NV	NV	NV	CS
2003	WMS (FSA)	9/25	Dry	NV	NV	NV	CS	NV	NV	NV
1991	WMS (USGS)	4/15	Normal	SWS	NV	NV	NV	NV	NV	SWS

Summary Table

	SA1	SA2	SA3	SA4	SA5	SA6	SA7
# Years of aerial photography	11	11	11	11	11	11	11
# Normal Years (1991-2018)	5	5	5	5	5	5	5
# signatures in Normal years	2	0	3	0	0	0	4
# signatures in Wet years	2	1	2	1	1	2	3
# Signatures in Dry years	1	0	0	2	0	0	2
# signatures in all years	5	1	5	3	1	2	9
% Usable Yrs with wet signatures[7]	2/5= 40%	0/5=0%	3/5=60%	0/5=0%	0/5=0%	0/5=0%	4/5=80%

(sm)= smaller area than whole area showed signature

[1] Form adapted from BWSR/USACE Technical Guidance, July 1, 2016.

[2]Photo selection for historical aerial photography review are from the MnGEO WMS GIS server, Google Earth, and GIS sources such as County, watersheds, or cities.

[3]July 1 was used as the date for aerial photographs when determining antecedent precipitation when an actual date could not be determined. Other aerial photography from County GIS, Google imagery, NAIP, etc. was dated based on available information.

[4]MN State Climatology website used to produce three-prior-month (NRCS) method for parcel being investigated.

[5]Photo dates at the end of the month were advanced to the next month to determine climate conditions using the NRCS/3-prior-month method if the daily precipitation data from that month warranted it.

[6]Key below is used label photo interpretations. It is imperative the reviewer read and understand the guidance associated with the use of the labels.

[7]Equal number of most recent wet and dry years used if 5 normal years were not available. Otherwise only Normal years.

*Base photo for suspect areas

Definitions

WS-wetland signature CS-crop stress SGO-something going on	DO-drowned out NC-not cropped SS- soil wetness signature	SW-standing water AP-altered pattern DP-drainage pattern	NV-normal vegetative cover DNC-dry not cropped NSS- no soil wetness (sm)- smaller area
WS is typically used for interpretation in non-cropped areas or contrasting green areas in dry conditions			

Summary Notes:

Field data sheet reference (if applicable): _____

Wetland Determination from Aerial Imagery – Recording Form

Project Name: Winnebago Solar Facility and Battery Storage Date: 6/17/2020 County: Faribault

Investigator: R.Cress Legal Description (T, R, S): T103 R28/27 S11/12/13/14/7

Use the Decision Matrix below to complete Table 1.

Hydric Soils present[1]	Identified on NWI or other wetland map[2]	Percent with wet signatures from Exhibit 1	Field verification required[3]	Wetland?
Yes	Yes	>50%	No	Yes
Yes	Yes	30-50%	No	Yes
Yes	Yes	<30%	Yes	Yes, if other hydrology indicators present
Yes	No	>50%	No	Yes
Yes	No	30-50%	Yes	Yes, if other hydrology indicators present
Yes	No	<30%	No	No
No	Yes	>50%	No	Yes
No	Yes	30-50%	No	Yes
No	Yes	<30%	No	No
No	No	>50%	Yes	Yes, if other hydrology indicators present
No	No	30-50%	Yes	Yes, if other hydrology indicators present
No	No	<30%	No	No

[1] The presence of hydric soils can be determined from the "Hydric Rating by Map Unit Feature" under "Land Classifications" from the Web Soil Survey. "Not Hydric" is the only category considered to not have hydric soils. Field sampling for the presence/absence of hydric soil indicators can be used in lieu of the hydric rating if appropriately documented by providing completed field data sheets.

[2] At minimum, the most updated NWI data available for the area must be reviewed for this step. Any and all other local or regional wetland maps that are publically available should be reviewed.

[3] Area should be reviewed in the field for the presence/absence of wetland hydrology indicators per the applicable 87 Manual Regional Supplement, including the D2 indicator (geomorphic position).

Table 1.

Area	Hydric Soils Present	Identified on NWI or other wetland map	Percent with wet signatures from Exhibit 1	Other hydrology indicators present[1]	Wetland?
1	Yes	No	40		Yes, if other hydrology indicators present
2	Yes	No	0		No
3	Yes	No	60		Yes
4	Yes	No	0		No
5	Yes	No	0		No
6	Yes	No	0		No
7	Yes	No	80		Yes

[1] Answer "N/A" if field verification is not required and was not conducted.

*See Summary Notes on Page 1.

Hydrology Assessment with Aerial Imagery-Recording Form[1]

Project Name: Winnebago Solar Facility and Battery Storage Date: 6/17/2020 County: Faribault

Investigator: R.Cress Legal Description (S, T, R): T103N R28W Sec 11, 12, 13, 14/ T103N R27W Sec 7

Summary Table

Photo Year[2]	Image Source[2]	Actual/ Estimated Photo Date[3]	Climate condition (wet, dry, normal)[4,5]	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, etc.)[6]						
				SA8	SA9	SA10	SA11	SA12	SA13	SA14
2017	WMS (FSA)	9/20	Dry	CS	CS	NV	NV	NV	CS	NV
2015	WMS (FSA)	8/1	Normal	NV	NV	NV	NV	NV	NV	NV
2013 *	WMS (FSA)	7/12	Wet	CS	SWS	SWS	SWS	SWS	SWS	SWS
2011	WMS (DNR)	4/15	Wet	DP	NV	NV	NV	DP	SWS	NV
2010	WMS (FSA)	7/1	Normal	DP	NV	NV	NV	NV	NV	NV
2009	WMS (FSA)	7/25	Dry	NV	NV	NV	CS	NV	NV	NV
2008	WMS (FSA)	7/5	Normal	CS	NV	NV	NV	NV	NV	NV
2006	Google Earth	5/31	Wet	NV	NV	NV	NV	NV	NV	NV
2004	Google Earth	8/2	Normal	NV	NV	NV	NV	NV	NV	NV
2003	WMS (FSA)	9/25	Dry	DP	NV	NV	NV	CS	CS	NV
1991	WMS (USGS)	4/15	Normal	DP	SWS	SWS	SWS	SWS	SWS	SWS

Summary Table

	SA8	SA9	SA10	SA11	SA12	SA13	SA14
# Years of aerial photography	11	11	11	11	11	11	11
# Normal Years (1991-2018)	5	5	5	5	5	5	5
# signatures in Normal years	3	1	1	1	1	1	1
# signatures in Wet years	2	1	1	1	2	2	1
# Signatures in Dry years	2	1	0	1	1	2	0
# signatures in all years	7	3	2	3	4	5	2
% Usable Yrs with wet signatures[7]	3/5=60%	1/5=20%	1/5=20%	1/5=20%	1/5=20%	1/5=20%	1/5=20%

(sm)= smaller area than whole area showed signature

[1] Form adapted from BWSR/USACE Technical Guidance, July 1, 2016.

[2]Photo selection for historical aerial photography review are from the MnGEO WMS GIS server, Google Earth, and GIS sources such as County, watersheds, or cities.

[3]July 1 was used as the date for aerial photographs when determining antecedent precipitation when an actual date could not be determined. Other aerial photography from County GIS, Google imagery, NAIP, etc. was dated based on available information.

[4]MN State Climatology website used to produce three-prior-month (NRCS) method for parcel being investigated.

[5]Photo dates at the end of the month were advanced to the next month to determine climate conditions using the NRCS/3-prior-month method if the daily precipitation data from that month warranted it.

[6]Key below is used label photo interpretations. It is imperative the reviewer read and understand the guidance associated with the use of the labels.

[7]Equal number of most recent wet and dry years used if 5 normal years were not available. Otherwise only Normal years.

*Base photo for suspect areas

Definitions

WS-wetland signature CS-crop stress SGO-something going on	DO-drowned out NC-not cropped SS- soil wetness signature	SW-standing water AP-altered pattern DP-drainage pattern	NV-normal vegetative cover DNC-dry not cropped NSS- no soil wetness (sm)- smaller area
WS is typically used for interpretation in non-cropped areas or contrasting green areas in dry conditions			

Summary Notes:

Field data sheet reference (if applicable): _____

Wetland Determination from Aerial Imagery – Recording Form

Project Name: Winnebago Solar Facility and Battery Storage Date: 6/17/2020 County: Faribault

Investigator: R.Cress Legal Description (T, R, S): T103 R28/27 S11/12/13/14/7

Use the Decision Matrix below to complete Table 1.

Hydric Soils present[1]	Identified on NWI or other wetland map[2]	Percent with wet signatures from Exhibit 1	Field verification required[3]	Wetland?
Yes	Yes	>50%	No	Yes
Yes	Yes	30-50%	No	Yes
Yes	Yes	<30%	Yes	Yes, if other hydrology indicators present
Yes	No	>50%	No	Yes
Yes	No	30-50%	Yes	Yes, if other hydrology indicators present
Yes	No	<30%	No	No
No	Yes	>50%	No	Yes
No	Yes	30-50%	No	Yes
No	Yes	<30%	No	No
No	No	>50%	Yes	Yes, if other hydrology indicators present
No	No	30-50%	Yes	Yes, if other hydrology indicators present
No	No	<30%	No	No

[1] The presence of hydric soils can be determined from the "Hydric Rating by Map Unit Feature" under "Land Classifications" from the Web Soil Survey. "Not Hydric" is the only category considered to not have hydric soils. Field sampling for the presence/absence of hydric soil indicators can be used in lieu of the hydric rating if appropriately documented by providing completed field data sheets.

[2] At minimum, the most updated NWI data available for the area must be reviewed for this step. Any and all other local or regional wetland maps that are publically available should be reviewed.

[3] Area should be reviewed in the field for the presence/absence of wetland hydrology indicators per the applicable 87 Manual Regional Supplement, including the D2 indicator (geomorphic position).

Table 1.

Area	Hydric Soils Present	Identified on NWI or other wetland map	Percent with wet signatures from Exhibit 1	Other hydrology indicators present[1]	Wetland?
8	Yes	Yes	60		Yes
9	Yes	No	20		No
10	Yes	No	20		No
11	Yes	No	20		No
12	Yes	No	20		No
13	Yes	No	20		No
14	Yes	No	20		No

[1] Answer "N/A" if field verification is not required and was not conducted.

*See Summary Notes on Page 1.

Hydrology Assessment with Aerial Imagery-Recording Form[1]

Project Name: Winnebago Solar Facility and Battery Storage Date: 6/17/2020 County: Faribault

Investigator: R.Cress Legal Description (S, T, R): T103N R28W Sec 11, 12, 13, 14/ T103N R27W Sec 7

Summary Table

Photo Year[2]	Image Source[2]	Actual/ Estimated Photo Date[3]	Climate condition (wet, dry, normal)[4,5]	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, etc.)[6]						
				SA15	SA16	SA17	SA18	SA19	SA20	SA21
2017	WMS (FSA)	9/20	Dry	CS	NV	NV	NV	CS	NV	NV
2015	WMS (FSA)	8/1	Normal	NV	NV	CS	CS	NV	NV	NV
2013 *	WMS (FSA)	7/12	Wet	DO/DP	CS	CS	CS	CS	CS	CS
2011	WMS (DNR)	4/15	Wet	DP	NV	AP	NV	NV	SWS	SWS
2010	WMS (FSA)	7/1	Normal	NV	NV	NV	NV	NV	CS	NV
2009	WMS (FSA)	7/25	Dry	CS (sm)	NV	CS	CS	NV	CS	NV
2008	WMS (FSA)	7/5	Normal	NV	NV	AP	AP	NV	NV	NV
2006	Google Earth	5/31	Wet	NV	NV	NV	NV	NV	NV	NV
2004	Google Earth	8/2	Normal	NV	NV	NV	NV	NV	NV	NV
2003	WMS (FSA)	9/25	Dry	DP	NV	NV	NV	CS	NV	NV
1991	WMS (USGS)	4/15	Normal	SWS	SWS	NV	NV	SWS	SWS	NV

Summary Table

	SA15	SA16	SA17	SA18	SA19	SA20	SA21
# Years of aerial photography	11	11	11	11	11	11	11
# Normal Years (1991-2018)	5	5	5	5	5	5	5
# signatures in Normal years	1	1	2	2	1	2	0
# signatures in Wet years	2	1	2	1	1	2	2
# Signatures in Dry years	3	0	1	1	2	1	0
# signatures in all years	6	2	5	4	4	5	2
% Usable Yrs with wet signatures[7]	1/5= 20%	1/5=20%	2/5= 40%	2/5= 40%	1/5=20%	2/5= 40%	0/5=0%

(sm)= smaller area than whole area showed signature

[1] Form adapted from BWSR/USACE Technical Guidance, July 1, 2016.

[2]Photo selection for historical aerial photography review are from the MnGEO WMS GIS server, Google Earth, and GIS sources such as County, watersheds, or cities.

[3]July 1 was used as the date for aerial photographs when determining antecedent precipitation when an actual date could not be determined. Other aerial photography from County GIS, Google imagery, NAIP, etc. was dated based on available information.

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[5]Photo dates at the end of the month were advanced to the next month to determine climate conditions using the NRCS/3-prior-month method if the daily precipitation data from that month warranted it.

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*Base photo for suspect areas

Definitions

WS-wetland signature CS-crop stress SGO-something going on	DO-drowned out NC-not cropped SS- soil wetness signature	SW-standing water AP-altered pattern DP-drainage pattern	NV-normal vegetative cover DNC-dry not cropped NSS- no soil wetness (sm)- smaller area
WS is typically used for interpretation in non-cropped areas or contrasting green areas in dry conditions			

Summary Notes:

Field data sheet reference (if applicable): _____

Wetland Determination from Aerial Imagery – Recording Form

Project Name: Winnebago Solar Facility and Battery Storage Date: 6/17/2020 County: Faribault

Investigator: R.Cress Legal Description (T, R, S): T103 R28/27 S11/12/13/14/7

Use the Decision Matrix below to complete Table 1.

Hydric Soils present[1]	Identified on NWI or other wetland map[2]	Percent with wet signatures from Exhibit 1	Field verification required[3]	Wetland?
Yes	Yes	>50%	No	Yes
Yes	Yes	30-50%	No	Yes
Yes	Yes	<30%	Yes	Yes, if other hydrology indicators present
Yes	No	>50%	No	Yes
Yes	No	30-50%	Yes	Yes, if other hydrology indicators present
Yes	No	<30%	No	No
No	Yes	>50%	No	Yes
No	Yes	30-50%	No	Yes
No	Yes	<30%	No	No
No	No	>50%	Yes	Yes, if other hydrology indicators present
No	No	30-50%	Yes	Yes, if other hydrology indicators present
No	No	<30%	No	No

[1] The presence of hydric soils can be determined from the "Hydric Rating by Map Unit Feature" under "Land Classifications" from the Web Soil Survey. "Not Hydric" is the only category considered to not have hydric soils. Field sampling for the presence/absence of hydric soil indicators can be used in lieu of the hydric rating if appropriately documented by providing completed field data sheets.

[2] At minimum, the most updated NWI data available for the area must be reviewed for this step. Any and all other local or regional wetland maps that are publically available should be reviewed.

[3] Area should be reviewed in the field for the presence/absence of wetland hydrology indicators per the applicable 87 Manual Regional Supplement, including the D2 indicator (geomorphic position).

Table 1.

Area	Hydric Soils Present	Identified on NWI or other wetland map	Percent with wet signatures from Exhibit 1	Other hydrology indicators present[1]	Wetland?
15	Yes	Yes	20		Yes, if other hydrology indicators present
16	Yes	No	20		No
17	Yes	No	40		Yes, if other hydrology indicators present
18	Yes	No	40		Yes, if other hydrology indicators present
19	Yes	No	20		No
20	Yes	No	40		Yes, if other hydrology indicators present
21	Yes	No	0		No

Hydrology Assessment with Aerial Imagery-Recording Form[1]

Project Name: Winnebago Solar Facility and Battery Storage Date: 6/17/2020 County: Faribault

Investigator: R.Cress Legal Description (S, T, R): T103N R28W Sec 11, 12, 13, 14/ T103N R27W Sec 7

Summary Table

Photo Year[2]	Image Source[2]	Actual/ Estimated Photo Date[3]	Climate condition (wet, dry, normal)[4,5]	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, etc.)[6]						
				SA22	SA23	SA24				
2017	WMS (FSA)	9/20	Dry	NV	NV	CS				
2015	WMS (FSA)	8/1	Normal	NV	NV	NV				
2013 *	WMS (FSA)	7/12	Wet	CS	CS	CS				
2011	WMS (DNR)	4/15	Wet	NV	CS	CS				
2010	WMS (FSA)	7/1	Normal	CS	NV	CS				
2009	WMS (FSA)	7/25	Dry	NV	NV	NV				
2008	WMS (FSA)	7/5	Normal	NV	NV	NV				
2006	Google Earth	5/31	Wet	CS	NV	CS				
2004	Google Earth	8/2	Normal	NV	NV	NV				
2003	WMS (FSA)	9/25	Dry	NV	NV	NV				
1991	WMS (USGS)	4/15	Normal	NV	SWS	SWS				

Summary Table

	SA22	SA23	SA24	SA25			
# Years of aerial photography	11	11	11	11			
# Normal Years (1991-2018)	5	5	5	5			
# signatures in Normal years	1	1	2				
# signatures in Wet years	2	2	3				
# Signatures in Dry years	0	0	1				
# signatures in all years	3	3	6				
% Usable Yrs with wet signatures[7]	1/5=20%	1/5=20%	2/5=40%				

(sm)= smaller area than whole area showed signature

[1] Form adapted from BWSR/USACE Technical Guidance, July 1, 2016.

[2] Photo selection for historical aerial photography review are from the MnGEO WMS GIS server, Google Earth, and GIS sources such as County, watersheds, or cities.

[3] July 1 was used as the date for aerial photographs when determining antecedent precipitation when an actual date could not be determined. Other aerial photography from County GIS, Google imagery, NAIP, etc. was dated based on available information.

[4] MN State Climatology website used to produce three-prior-month (NRCS) method for parcel being investigated.

[5] Photo dates at the end of the month were advanced to the next month to determine climate conditions using the NRCS/3-prior-month method if the daily precipitation data from that month warranted it.

[6] Key below is used label photo interpretations. It is imperative the reviewer read and understand the guidance associated with the use of the labels.

[7] Equal number of most recent wet and dry years used if 5 normal years were not available. Otherwise only Normal years.

* Base photo for suspect areas

Definitions

WS-wetland signature CS-crop stress SGO-something going on	DO-drowned out NC-not cropped SS- soil wetness signature	SW-standing water AP-altered pattern DP-drainage pattern	NV-normal vegetative cover DNC-dry not cropped NSS- no soil wetness (sm)- smaller area
WS is typically used for interpretation in non-cropped areas or contrasting green areas in dry conditions			

Summary Notes:

Field data sheet reference (if applicable): _____

Wetland Determination from Aerial Imagery – Recording Form

Project Name: Winnebago Solar Facility and Battery Storage Date: 6/17/2020 County: Faribault

Investigator: R.Cress Legal Description (T, R, S): T103 R28/27 S11/12/13/14/7

Use the Decision Matrix below to complete Table 1.

Hydric Soils present[1]	Identified on NWI or other wetland map[2]	Percent with wet signatures from Exhibit 1	Field verification required[3]	Wetland?
Yes	Yes	>50%	No	Yes
Yes	Yes	30-50%	No	Yes
Yes	Yes	<30%	Yes	Yes, if other hydrology indicators present
Yes	No	>50%	No	Yes
Yes	No	30-50%	Yes	Yes, if other hydrology indicators present
Yes	No	<30%	No	No
No	Yes	>50%	No	Yes
No	Yes	30-50%	No	Yes
No	Yes	<30%	No	No
No	No	>50%	Yes	Yes, if other hydrology indicators present
No	No	30-50%	Yes	Yes, if other hydrology indicators present
No	No	<30%	No	No

[1] The presence of hydric soils can be determined from the "Hydric Rating by Map Unit Feature" under "Land Classifications" from the Web Soil Survey. "Not Hydric" is the only category considered to not have hydric soils. Field sampling for the presence/absence of hydric soil indicators can be used in lieu of the hydric rating if appropriately documented by providing completed field data sheets.

[2] At minimum, the most updated NWI data available for the area must be reviewed for this step. Any and all other local or regional wetland maps that are publically available should be reviewed.

[3] Area should be reviewed in the field for the presence/absence of wetland hydrology indicators per the applicable 87 Manual Regional Supplement, including the D2 indicator (geomorphic position).

Table 1.

Area	Hydric Soils Present	Identified on NWI or other wetland map	Percent with wet signatures from Exhibit 1	Other hydrology indicators present[1]	Wetland?
22	Yes	No	20		No
23	Yes	No	20		No
24	Yes	No	40		Yes, if other hydrology indicators present

[1] Answer "N/A" if field verification is not required and was not conducted.

*See Summary Notes on Page 1.

Data Source(s): Westwood (2021); .

Legend

- Delineation Area
- Desktop Wetland
- Suspect Area

Winnebago Solar Facility and Battery Storage

Faribault County, MN

N

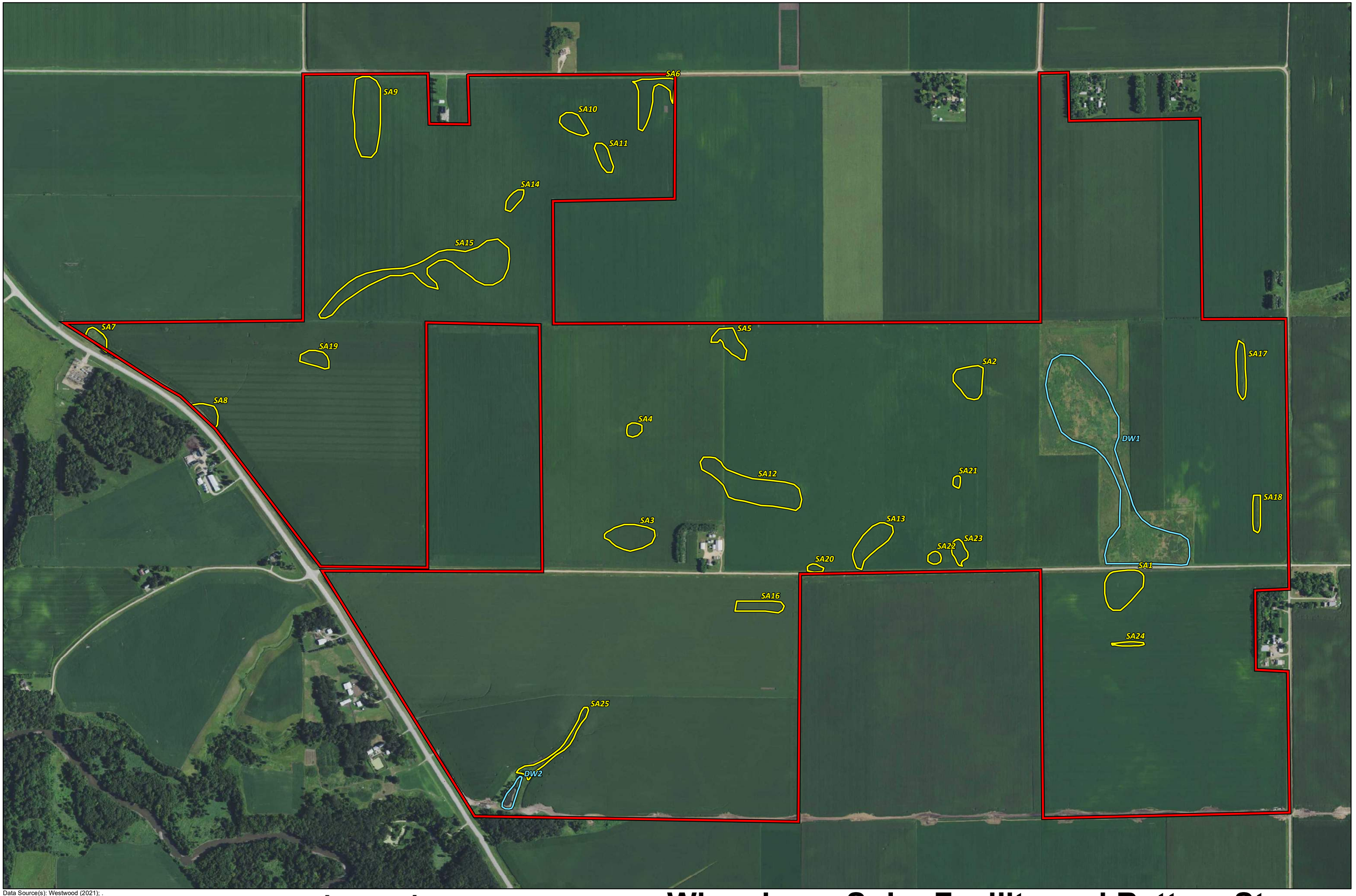
0 750 Feet

Aerial Review

2017

Westwood
Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.

Map Document: N:\0027810.00\GIS\Aerial Review Exhibits_200617\Winnebago_AerialReviewExhibit_2017_200617.mxd 7/19/2021 2:41:30 PM RJCress



Data Source(s): Westwood (2021); .

Legend

- Delineation Area
- Desktop Wetland
- Suspect Area

Winnebago Solar Facility and Battery Storage

Faribault County, MN

N

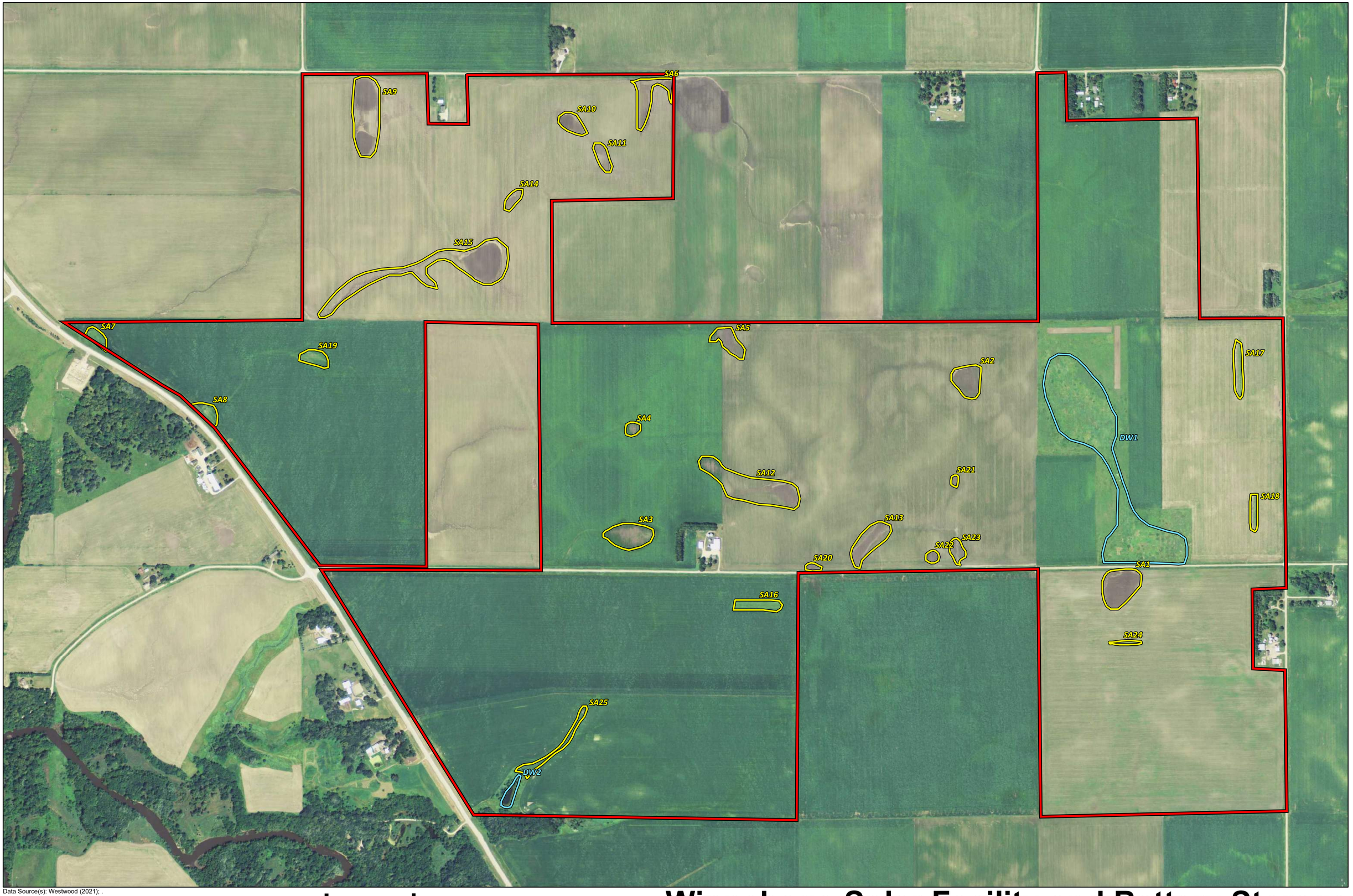
0 750 Feet

Aerial Review

2015

Westwood
Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.

Map Document: N:\0027810.00\GIS\Aerial Review Exhibits_200617\Winnebago_AerialReviewExhibit_2017_200617.mxd 7/19/2021 2:38:55 PM RJCress



Data Source(s): Westwood (2021); .

Legend

- Delineation Area
- Desktop Wetland
- Suspect Area

Winnebago Solar Facility and Battery Storage

Faribault County, MN

N

0 750 Feet

Aerial Review

2013

Westwood
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Westwood Professional Services, Inc.

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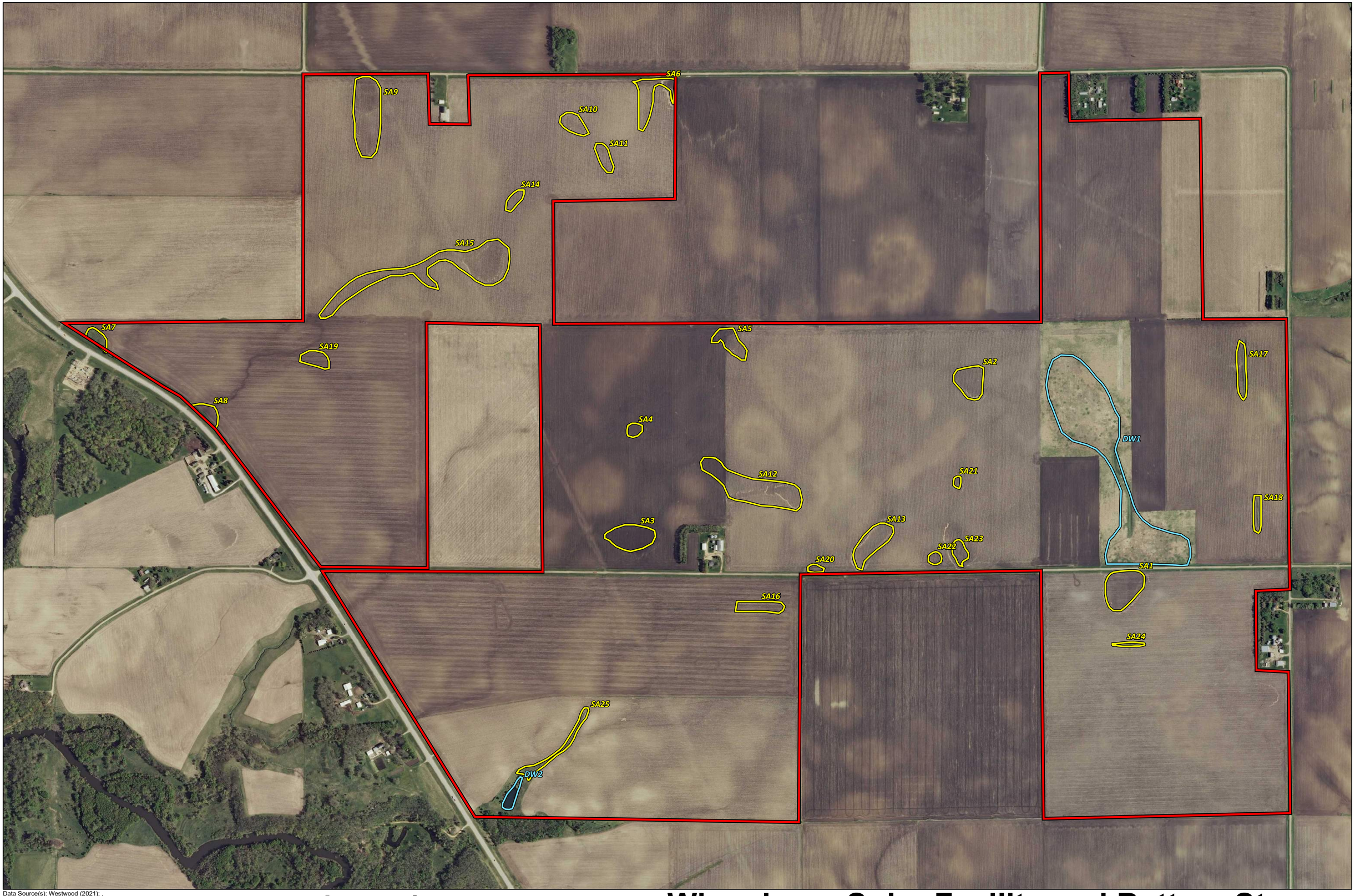

Data Source(s): Westwood (2021); .

Legend

- Delineation Area
- Desktop Wetland
- Suspect Area

Winnebago Solar Facility and Battery Storage

Faribault County, MN

N

0 750 Feet

Aerial Review

2011

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