

WC-03



WC-03



WC-03



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Attributes	
Feature ID	WC-03
Defined Bed and Bank	Yes
Waters of the US	Yes
Mapped on NHD	Yes
Mapped on NWI	Yes
Flow Characteristics	Perennial
Investigator	BJC
Water Width at Crossing (ft)	20
Direction of Flow	NE
Water Depth at Crossing (ft)	1
Top of Bank Width (ft)	35
Left Bank Height (ft) (looking Downstream)	3
Right Bank Height (ft) (looking Downstream)	4
OHWM Width (ft)	25
OHWM Height (ft From Substrate)	2
Evidence Of Scour or Erosion	Yes
OHWM Criteria	Natural line impressed on bank
Pools, Riffles, Runs Present?	Pools
Substrate	Sand

# **Appendix D**

## **Offsite Hydrology Review**

**Louise Solar Project**  
Mower County, Minnesota

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# Hydrology Assessment with Aerial Imagery-Recording Form<sup>1</sup>

Project Name: Louise Solar

Date: 08/31/2020

County: Mower County

Investigator: R.Cress

Legal Description (S, T, R): Sections 12/13, 7/18, T101N, R15W/16W

## Summary Table

Photo Year <sup>2</sup>	Image Source <sup>2</sup>	Actual/ Estimated Photo Date <sup>3</sup>	Climate condition (wet, dry, normal) <sup>4,5</sup>	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, etc.) <sup>6</sup>					
				SA-01	SA-04	SA-05	SA-06	SA-07	SA-08
2019	WMS (FSA)	7/30	Wet	NV	CS (sm)	CS (sm)	NV	NV	DO
2017	WMS (FSA)	9/13	Normal	NV	CS	CS (sm)	NV	NV	CS
2016	Google Earth	5/21	Normal	SWS	NV	NV	NV	SWS (sm)	NV
2015	WMS (FSA)	10/11	Normal	NV	SWS	NV	NV	NV	NV
2013*	WMS (FSA)	7/18	Wet	CS	SGO	DO	CS	CS	CS
2011	Google Earth	8/11	Normal	NV	SGO	NV	NV	CS	CS
2010	WMS (FSA)	7/2	Normal	CS	SGO	NV	NV	CS (sm)	CS
2009	WMS (FSA)	8/18	Dry	SGO	SGO	NV	NV	NV	NV
2008	WMS (FSA)	6/23	Normal	DP	NC	SWS	NV	NV	NV
2006	Google Earth	5/31	Wet	NV	NC	NV	CS	NV	CS
2004	Google Earth	8/2	Wet	NV	NC	NV	NV	NV	CS
2003	WMS (FSA)	7/18	Wet	DP	NC	NV	NV	NV	CS
1992	WMS (USGS)	5/3	Normal	AP	NC	NV	NV	NV	NV

## Summary Table

	SA-01	SA-04	SA-05	SA-06	SA-07	SA-08
# Years of aerial photography	13	13	13	13	13	13
# Normal Years (1991-2019)	7	7	7	7	7	7
# signatures in Normal years	4	4	2	0	3	3
# signatures in Wet years	2	2	1	2	1	5
# Signatures in Dry years	1	1	0	0	0	0
# signatures in all years	7	7	3	2	4	8
% Usable Yrs with wet signatures <sup>7</sup>	4/7=57	4/7=57	2/7=29	0/7=0	3/7=43	3/7=43

(sm)= smaller area than whole area showed signature

<sup>1</sup> Form adapted from BWSR/USACE Technical Guidance, July 1, 2016.

<sup>2</sup>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.

<sup>3</sup>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.

<sup>4</sup>MN State Climatology website used to produce three-prior-month (NRCS) method for parcel being investigated.

<sup>5</sup>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.

<sup>6</sup>Key below is used label photo interpretations. It is imperative the reviewer read and understand the guidance associated with the use of the labels.

<sup>7</sup>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
<b>WS is typically used for interpretation in non-cropped areas or green areas in dry conditions</b>			

Field data sheet reference (if applicable): \_\_\_\_\_

## Wetland Determination from Aerial Imagery – Recording Form

Project Name: Louise Solar Date: 08/31/2020 County: Mower

Investigator: R.Cress Legal Description (T, R, S): T101 R15/16 7/18, 12/13

Use the Decision Matrix below to complete Table 1.

Hydric Soils present <sup>1</sup>	Identified on NWI or other wetland map <sup>2</sup>	Percent with wet signatures from Exhibit 1	Field verification required <sup>3</sup>	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

<sup>1</sup>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.

<sup>2</sup>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.

<sup>3</sup>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 <sup>1</sup>	Wetland?
SA-01	Yes	No	57		Yes
SA-04	No	Yes	57		Yes
SA-05	Yes	Yes	29		Yes, if other hydrology indicators present
SA-06	No	Yes	0		No
SA-07	Yes	Yes	43		Yes
SA-08	Yes	No	43		Yes, if other hydrology indicators present

<sup>1</sup> Answer “N/A” if field verification is not required and was not conducted.



# Hydrology Assessment with Aerial Imagery-Recording Form<sup>1</sup>

Project Name: Louise Solar

Date: 08/31/2020

County: Mower County

Investigator: R.Cress

Legal Description (S, T, R): Sections 12/13, 7/18, T101N, R15W/16W

## Summary Table

Photo Year <sup>2</sup>	Image Source <sup>2</sup>	Actual/ Estimated Photo Date <sup>3</sup>	Climate condition (wet, dry, normal) <sup>4,5</sup>	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, etc.) <sup>6</sup>					
				SA-13	SA-14	SA-18	SA-19	SA-20	SA-21
2019	WMS (FSA)	7/30	Wet	DO	NV	CS	CS	CS	CS
2017	WMS (FSA)	9/13	Normal	DP	DP	CS	NV	DP	NV
2016	Google Earth	5/21	Normal	DP	NV	NV	NV	NV	NV
2015	WMS (FSA)	10/11	Normal	DP	NV	CS	CS	NV	NV
2013*	WMS (FSA)	7/18	Wet	CS	DP	CS	CS	CS	CS
2011	Google Earth	8/11	Normal	DP	NV	NC	CS	NV	CS
2010	WMS (FSA)	7/2	Normal	DP	NV	NC	CS	CS	CS
2009	WMS (FSA)	8/18	Dry	DP	NV	NC	SGO	CS	NV
2008	WMS (FSA)	6/23	Normal	DP	NV	NC	NV	SGO	NV
2006	Google Earth	5/31	Wet	DP	NV	NC	CS	SGO	NV
2004	Google Earth	8/2	Wet	DP	NV	NC	CS	SGO	NV
2003	WMS (FSA)	7/18	Wet	DP	DP	NC	AP	SGO	CS
1992	WMS (USGS)	5/3	Normal	DP	NV	NC	AP	AP	NV

## Summary Table

	SA-13	SA-14	SA-18	SA-19	SA-20	SA-21
# Years of aerial photography	13	13	13	13	13	13
# Normal Years (1991-2018)	7	7	7	7	7	7
# signatures in Normal years	7	1	2	4	4	2
# signatures in Wet years	5	2	2	5	5	3
# Signatures in Dry years	1	0	0	1	1	0
# signatures in all years	13	3	4	10	10	5
% Usable Yrs with wet signatures <sup>7</sup>	7/7=100	1/7=14	2/7=29	4/7=57	4/7=57	2/7=29

(sm)= smaller area than whole area showed signature

<sup>1</sup> Form adapted from BWSR/USACE Technical Guidance, July 1, 2016.

<sup>2</sup>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.

<sup>3</sup>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.

<sup>4</sup>MN State Climatology website used to produce three-prior-month (NRCS) method for parcel being investigated.

<sup>5</sup>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.

<sup>6</sup>Key below is used label photo interpretations. It is imperative the reviewer read and understand the guidance associated with the use of the labels.

<sup>7</sup>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
<b>WS is typically used for interpretation in non-cropped areas or green areas in dry conditions</b>			

Field data sheet reference (if applicable): \_\_\_\_\_

## Wetland Determination from Aerial Imagery – Recording Form

Project Name: Louise Solar Date: 08/31/2020 County: Mower  
 Investigator: R.Cress Legal Description (T, R, S): T101 R15/16 7/18, 12/13

Use the Decision Matrix below to complete Table 1.

Hydric Soils present <sup>1</sup>	Identified on NWI or other wetland map <sup>2</sup>	Percent with wet signatures from Exhibit 1	Field verification required <sup>3</sup>	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

<sup>1</sup>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.

<sup>2</sup>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.

<sup>3</sup>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 <sup>1</sup>	Wetland?
SA-13	Yes	No	100		Yes
SA-14	Yes	No	14		No
SA-18	Yes	Yes	29		Yes, if other hydrology indicators present
SA-19	Yes	No	57		Yes
SA-20	Yes	No	57		Yes
SA-21	Yes	No	29		No

<sup>1</sup> Answer “N/A” if field verification is not required and was not conducted.

# Hydrology Assessment with Aerial Imagery-Recording Form<sup>1</sup>

Project Name: Louise Solar

Date: 08/31/2020

County: Mower County

Investigator: R.Cress

Legal Description (S, T, R): Sections 12/13, 7/18, T101N, R15W/16W

## Summary Table

Photo Year <sup>2</sup>	Image Source <sup>2</sup>	Actual/ Estimated Photo Date <sup>3</sup>	Climate condition (wet, dry, normal) <sup>4,5</sup>	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, etc.) <sup>6</sup>					
				SA-22	SA-23	SA-24	SA-25		
2019	WMS (FSA)	7/30	Wet	CS	CS	CS	CS		
2017	WMS (FSA)	9/13	Normal	CS	CS	CS	AP		
2016	Google Earth	5/21	Normal	NV	NV	NV	AP		
2015	WMS (FSA)	10/11	Normal	CS	CS	CS	AP		
2013*	WMS (FSA)	7/18	Wet	CS	CS	CS	AP		
2011	Google Earth	8/11	Normal	NV	NV	NV	AP		
2010	WMS (FSA)	7/2	Normal	CS	CS	CS	AP		
2009	WMS (FSA)	8/18	Dry	NV	CS	NV	DO		
2008	WMS (FSA)	6/23	Normal	NV	NV	CS	AP		
2006	Google Earth	5/31	Wet	CS	CS	CS	AP		
2004	Google Earth	8/2	Wet	CS	CS	CS	NV		
2003	WMS (FSA)	7/18	Wet	CS	CS	CS	DO		
1992	WMS (USGS)	5/3	Normal	NV	NV	NV	NV		

## Summary Table

	SA-22	SA-23	SA-24	SA-25		
# Years of aerial photography	13	13	13	13		
# Normal Years (1991-2018)	7	7	7	7		
# signatures in Normal years	3	3	4	6		
# signatures in Wet years	5	5	5	4		
# Signatures in Dry years	0	1	0	1		
# signatures in all years	8	9	9	11		
% Usable Yrs with wet signatures <sup>7</sup>	3/7=43	3/7=43	4/7=57	6/7=86		

(sm)= smaller area than whole area showed signature

<sup>1</sup> Form adapted from BWSR/USACE Technical Guidance, July 1, 2016.

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\*Base photo for suspect areas

## Definitions

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<b>WS is typically used for interpretation in non-cropped areas or green areas in dry conditions</b>			

Field data sheet reference (if applicable): \_\_\_\_\_

## Wetland Determination from Aerial Imagery – Recording Form

Project Name: Louise Solar Date: 08/31/2020 County: Mower  
 Investigator: R.Cress Legal Description (T, R, S): T101 R15/16 7/18, 12/13

Use the Decision Matrix below to complete Table 1.

Hydric Soils present <sup>1</sup>	Identified on NWI or other wetland map <sup>2</sup>	Percent with wet signatures from Exhibit 1	Field verification required <sup>3</sup>	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

<sup>1</sup>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.

<sup>2</sup>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.

<sup>3</sup>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 <sup>1</sup>	Wetland?
SA-22	No	No	43		Yes, if other hydrology indicators present
SA-23	Yes	No	43		Yes, if other hydrology indicators present
SA-24	Yes	No	57		Yes
SA-25	Yes	No	86		Yes

<sup>1</sup> Answer “N/A” if field verification is not required and was not conducted.

Precipitation data for target wetland location:	
county: <b>Mower</b>	township number: <b>101N</b>
township name: <b>Adams</b>	range number: <b>16W</b>
nearest community: <b>Adams</b>	section number: <b>12</b>

**Aerial photograph or site visit date:**  
**Tuesday, July 30, 2019**

**Score using 1981-2010 normal period**

values are in inches A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>June 2019</b>	second prior month: <b>May 2019</b>	third prior month: <b>April 2019</b>
<b>estimated precipitation total for this location:</b>	<b>6.79</b>	<b>6.79</b>	<b>3.45</b>
<b>there is a 30% chance this location will have less than:</b>	3.60	2.73	2.50
<b>there is a 30% chance this location will have more than:</b>	5.32	4.38	3.88
<b>type of month:</b> dry normal wet	wet	wet	normal
<b>monthly score</b>	<b>3 * 3 = 9</b>	<b>2 * 3 = 6</b>	<b>1 * 2 = 2</b>
<b>multi-month score:</b>			
6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)		<b>17 (Wet)</b>	

**Aerial photograph or site visit date:**  
**Wednesday, September 13, 2017**

**Score using 1981-2010 normal period**

values are in inches A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>August 2017</b>	second prior month: <b>July 2017</b>	third prior month: <b>June 2017</b>
<b>estimated precipitation total for this location:</b>	<b>1.85</b>	<b>6.75</b>	<b>4.16</b>
<b>there is a 30% chance this location will have less than:</b>	3.46	2.80	3.60
<b>there is a 30% chance this location will have more than:</b>	5.41	5.91	5.32

type of month: <b>dry</b> normal wet	<b>dry</b>	wet	normal
monthly score	3 * 1 = 3	2 * 3 = 6	1 * 2 = 2
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>11 (Normal)</b>			

**Aerial photograph or site visit date:**  
**Saturday, May 21, 2016**

**Score using 1981-2010 normal period**

values are in inches A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>April 2016</b>	second prior month: <b>March 2016</b>	third prior month: <b>February 2016</b>
estimated precipitation total for this location:	<b>1.67</b>	<b>3.69</b>	<b>0.44</b>
there is a 30% chance this location will have less than:	2.50	1.36	0.45
there is a 30% chance this location will have more than:	3.88	2.31	1.08
type of month: <b>dry</b> normal wet	<b>dry</b>	wet	<b>dry</b>
monthly score	3 * 1 = 3	2 * 3 = 6	1 * 1 = 1
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>10 (Normal)</b>			

**Aerial photograph or site visit date:**  
**Sunday, October 11, 2015**

**Score using 1981-2010 normal period**

values are in inches A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>September 2015</b>	second prior month: <b>August 2015</b>	third prior month: <b>July 2015</b>
estimated precipitation total for this location:	<b>3.04</b>	<b>3.58</b>	<b>5.22</b>
there is a 30% chance this location will have less than:	1.78	3.46	2.80

there is a 30% chance this location will have more than:	4.73	5.41	5.91
type of month: <b>dry</b> normal wet	<b>normal</b>	<b>normal</b>	<b>normal</b>
monthly score	<b>3 * 2 = 6</b>	<b>2 * 2 = 4</b>	<b>1 * 2 = 2</b>
<p style="text-align: center;"><b>multi-month score:</b>  6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)</p>			
<b>12 (Normal)</b>			

**Aerial photograph or site visit date:**  
**Thursday, July 18, 2013**

**Score using 1981-2010 normal period**

<p style="text-align: center;"><b>values are in inches</b></p> A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>June 2013</b>	second prior month: <b>May 2013</b>	third prior month: <b>April 2013</b>
estimated precipitation total for this location:	<b>6.88</b>	<b>12.39</b>	<b>6.29</b>
there is a 30% chance this location will have less than:	3.60	2.73	2.50
there is a 30% chance this location will have more than:	5.32	4.38	3.88
type of month: <b>dry</b> normal wet	<b>wet</b>	<b>wet</b>	<b>wet</b>
monthly score	<b>3 * 3 = 9</b>	<b>2 * 3 = 6</b>	<b>1 * 3 = 3</b>
<p style="text-align: center;"><b>multi-month score:</b>  6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)</p>			
<b>18 (Wet)</b>			

**Thursday, August 11, 2011**

**Score using 1981-2010 normal period**

<p style="text-align: center;"><b>values are in inches</b></p> A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>July 2011</b>	second prior month: <b>June 2011</b>	third prior month: <b>May 2011</b>
estimated precipitation total for this location:	<b>4.38</b>	<b>4.11</b>	<b>4.51</b>
there is a 30% chance this location will have less than:	2.80	3.60	2.73
there is a 30% chance this location will have more than:	5.91	5.32	4.38

type of month: <b>dry</b> normal wet	<b>normal</b>	<b>normal</b>	<b>wet</b>
monthly score	<b>3 * 2 = 6</b>	<b>2 * 2 = 4</b>	<b>1 * 3 = 3</b>
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>13 (Normal)</b>			

**Aerial photograph or site visit date:**  
**Friday, July 2, 2010**

**Score using 1981-2010 normal period**

values are in inches A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>June 2010</b>	second prior month: <b>May 2010</b>	third prior month: <b>April 2010</b>
estimated precipitation total for this location:	<b>9.67</b>	<b>2.21</b>	<b>2.35</b>
there is a 30% chance this location will have less than:	3.60	2.73	2.50
there is a 30% chance this location will have more than:	5.32	4.38	3.88
type of month: <b>dry</b> normal wet	<b>wet</b>	<b>dry</b>	<b>dry</b>
monthly score	<b>3 * 3 = 9</b>	<b>2 * 1 = 2</b>	<b>1 * 1 = 1</b>
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>12 (Normal)</b>			

**Aerial photograph or site visit date:**  
**Tuesday, August 18, 2009**

**Score using 1981-2010 normal period**

values are in inches A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>July 2009</b>	second prior month: <b>June 2009</b>	third prior month: <b>May 2009</b>
estimated precipitation total for this location:	<b>2.00</b>	<b>4.97</b>	<b>3.59</b>
there is a 30% chance this location will have less than:	2.80	3.60	2.73
there is a 30% chance this location will have more than:	5.91	5.32	4.38



type of month: <b>dry</b> normal wet	<b>dry</b>	<b>normal</b>	<b>normal</b>
monthly score	3 * 1 = 3	2 * 2 = 4	1 * 2 = 2
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>9 (Dry)</b>			

**Aerial photograph or site visit date:**  
**Monday, June 23, 2008**

**Score using 1981-2010 normal period**

<b>values are in inches</b> A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>May 2008</b>	second prior month: <b>April 2008</b>	third prior month: <b>March 2008</b>
estimated precipitation total for this location:	<b>4.12</b>	<b>5.32</b>	<b>1.67</b>
there is a 30% chance this location will have less than:	2.73	2.50	1.36
there is a 30% chance this location will have more than:	4.38	3.88	2.31
type of month: <b>dry</b> normal wet	<b>normal</b>	<b>wet</b>	<b>normal</b>
monthly score	3 * 2 = 6	2 * 3 = 6	1 * 2 = 2
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>14 (Normal)</b>			

**Aerial photograph or site visit date:**  
**Wednesday, May 31, 2006**

**Score using 1981-2010 normal period**

<b>values are in inches</b> A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>April 2006</b>	second prior month: <b>March 2006</b>	third prior month: <b>February 2006</b>
estimated precipitation total for this location:	<b>6.65</b>	<b>2.36</b>	<b>0.46</b>
there is a 30% chance this location will have less than:	2.50	1.36	0.45

there is a 30% chance this location will have more than:	3.88	2.31	1.08
type of month: <b>dry</b> normal wet	wet	wet	normal
monthly score	$3 * 3 = 9$	$2 * 3 = 6$	$1 * 2 = 2$
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>17 (Wet)</b>			

**Aerial photograph or site visit date:**  
**Monday, August 2, 2004**

### Score using 1981-2010 normal period

<b>values are in inches</b> A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>July 2004</b>	second prior month: <b>June 2004</b>	third prior month: <b>May 2004</b>
estimated precipitation total for this location:	<b>6.88</b>	<b>5.43</b>	<b>7.97</b>
there is a 30% chance this location will have less than:	2.80	3.60	2.73
there is a 30% chance this location will have more than:	5.91	5.32	4.38
type of month: <b>dry</b> normal wet	wet	wet	wet
monthly score	$3 * 3 = 9$	$2 * 3 = 6$	$1 * 3 = 3$
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>18 (Wet)</b>			

**Aerial photograph or site visit date:**  
**Friday, July 18, 2003**

### Score using 1981-2010 normal period

<b>values are in inches</b> A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>June 2003</b>	second prior month: <b>May 2003</b>	third prior month: <b>April 2003</b>
estimated precipitation total for this location:	<b>5.33</b>	<b>5.56</b>	<b>3.09</b>
there is a 30% chance this location will have less than:	3.60	2.73	2.50

there is a 30% chance this location will have more than:	5.32	4.38	3.88
type of month: <b>dry</b> normal wet	wet	wet	normal
monthly score	3 * 3 = 9	2 * 3 = 6	1 * 2 = 2
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>17 (Wet)</b>			

**Sunday, May 3, 1992**

**Score using 1981-2010 normal period**

values are in inches A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>April 1992</b>	second prior month: <b>March 1992</b>	third prior month: <b>February 1992</b>
estimated precipitation total for this location:	<b>3.71</b>	<b>2.54</b>	<b>0.63</b>
there is a 30% chance this location will have less than:	2.50	1.36	0.45
there is a 30% chance this location will have more than:	3.88	2.31	1.08
type of month: <b>dry</b> normal wet	normal	wet	normal
monthly score	3 * 2 = 6	2 * 3 = 6	1 * 2 = 2
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)			
<b>14 (Normal)</b>			



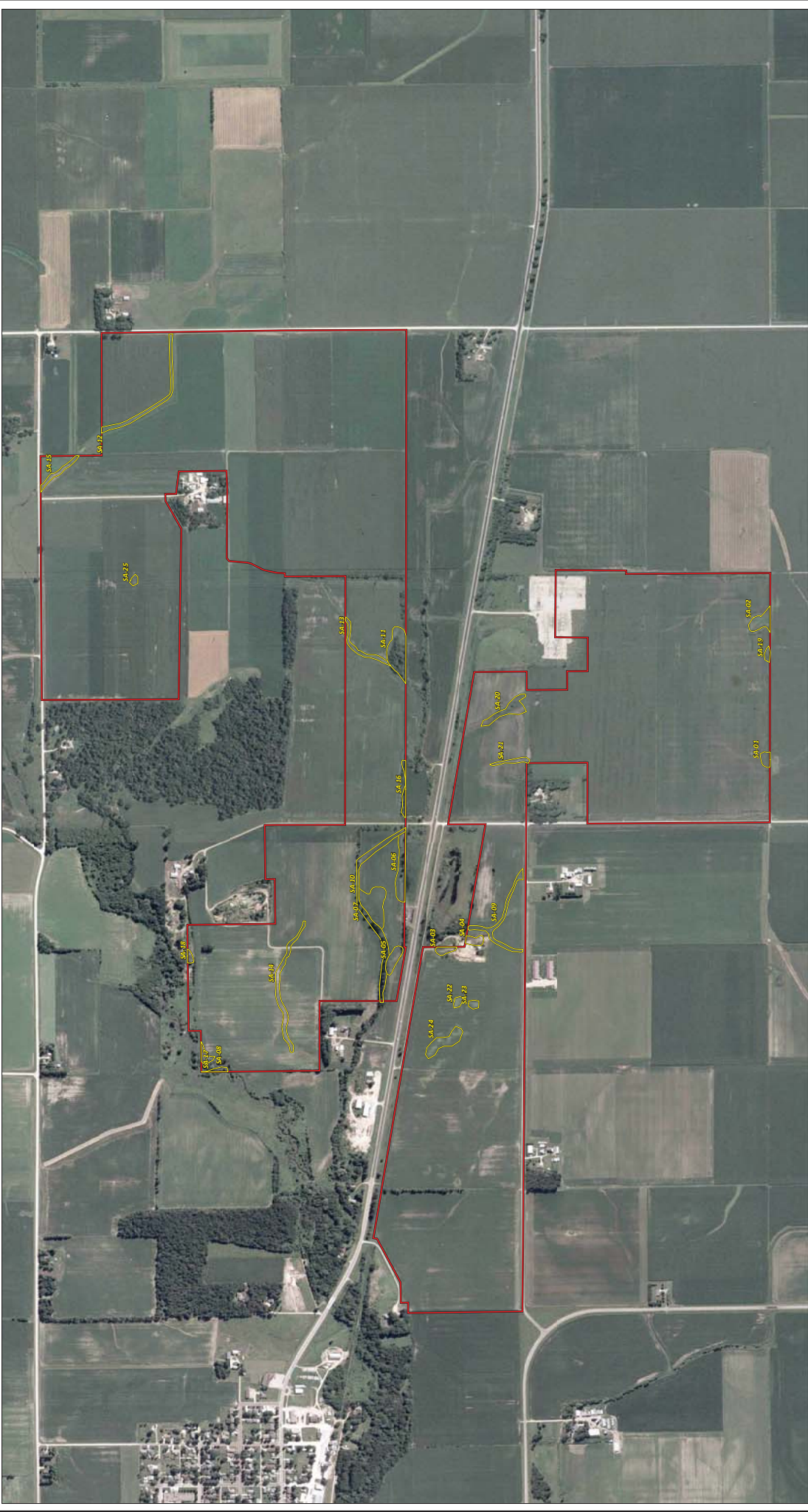
# Legend

- Project Boundary
- Suspect Area



**Louise Solar**  
Mower County, MN

Aerial Review



# Legend

- Project Boundary
- Suspect Area







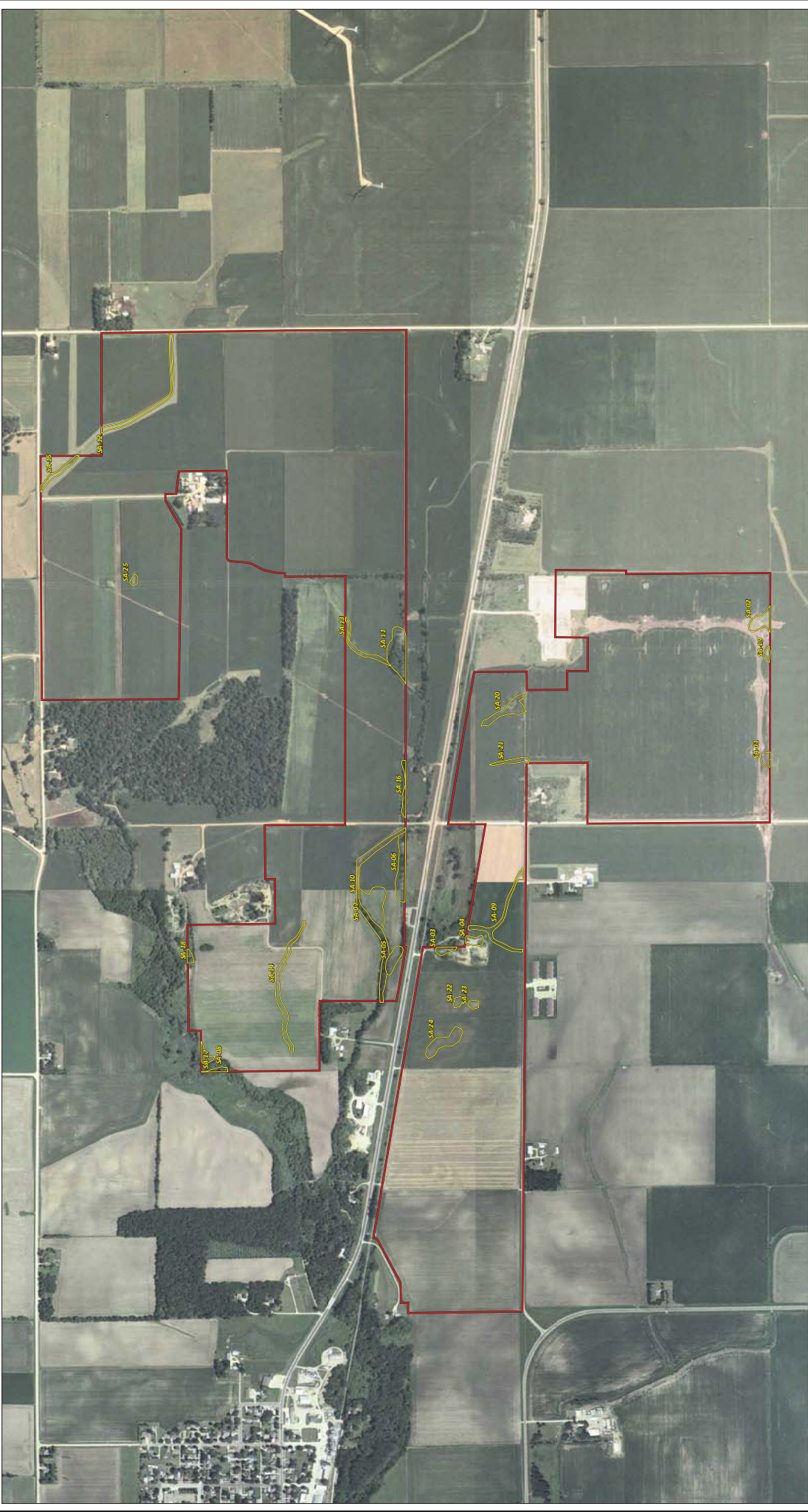


# Legend

- Project Boundary
- Suspect Area







# Legend

- Project Boundary
- Suspect Area





# Legend

- Project Boundary
- Suspect Area

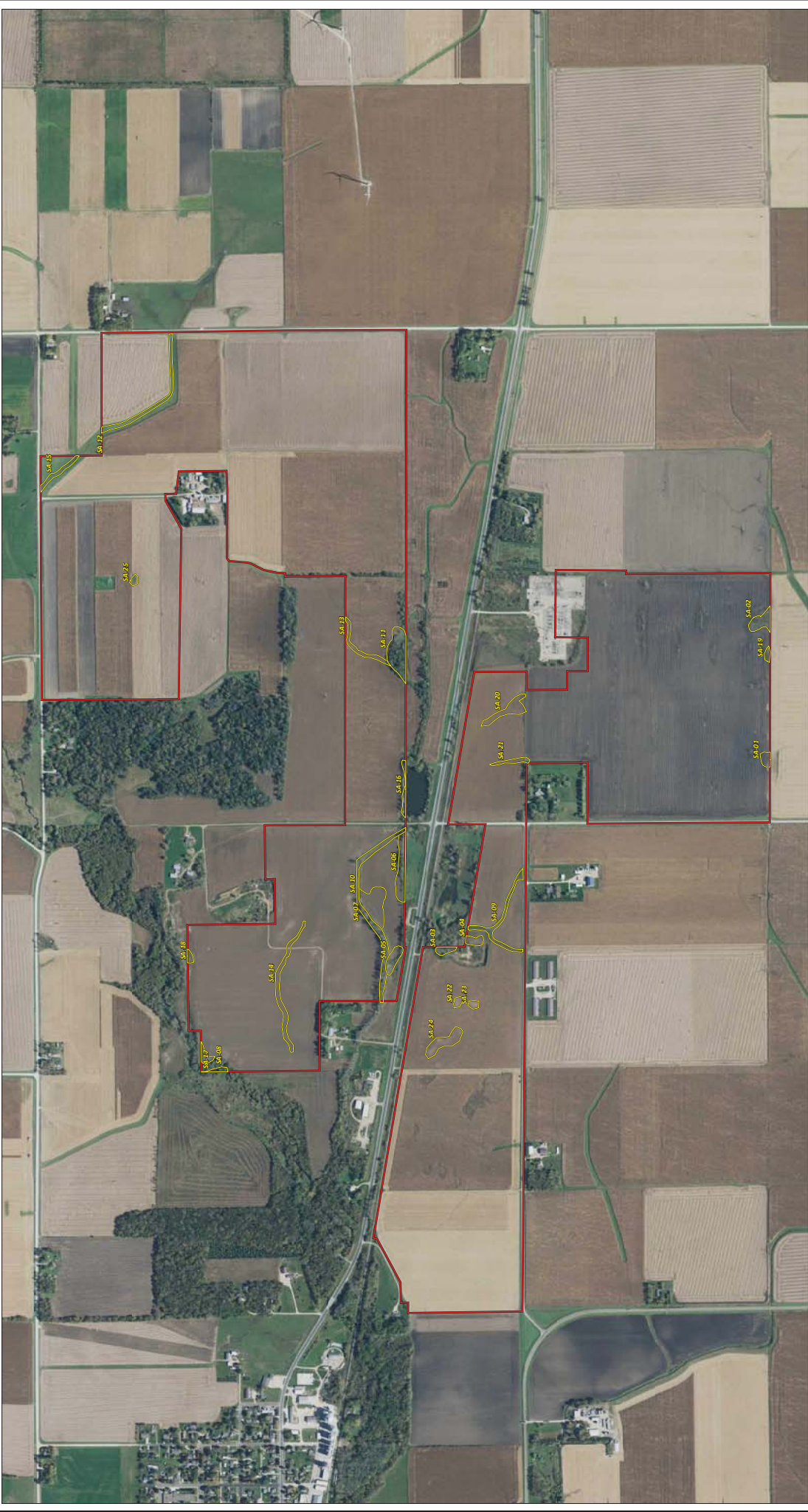






# Legend

- Project Boundary
- Suspect Area



# Legend

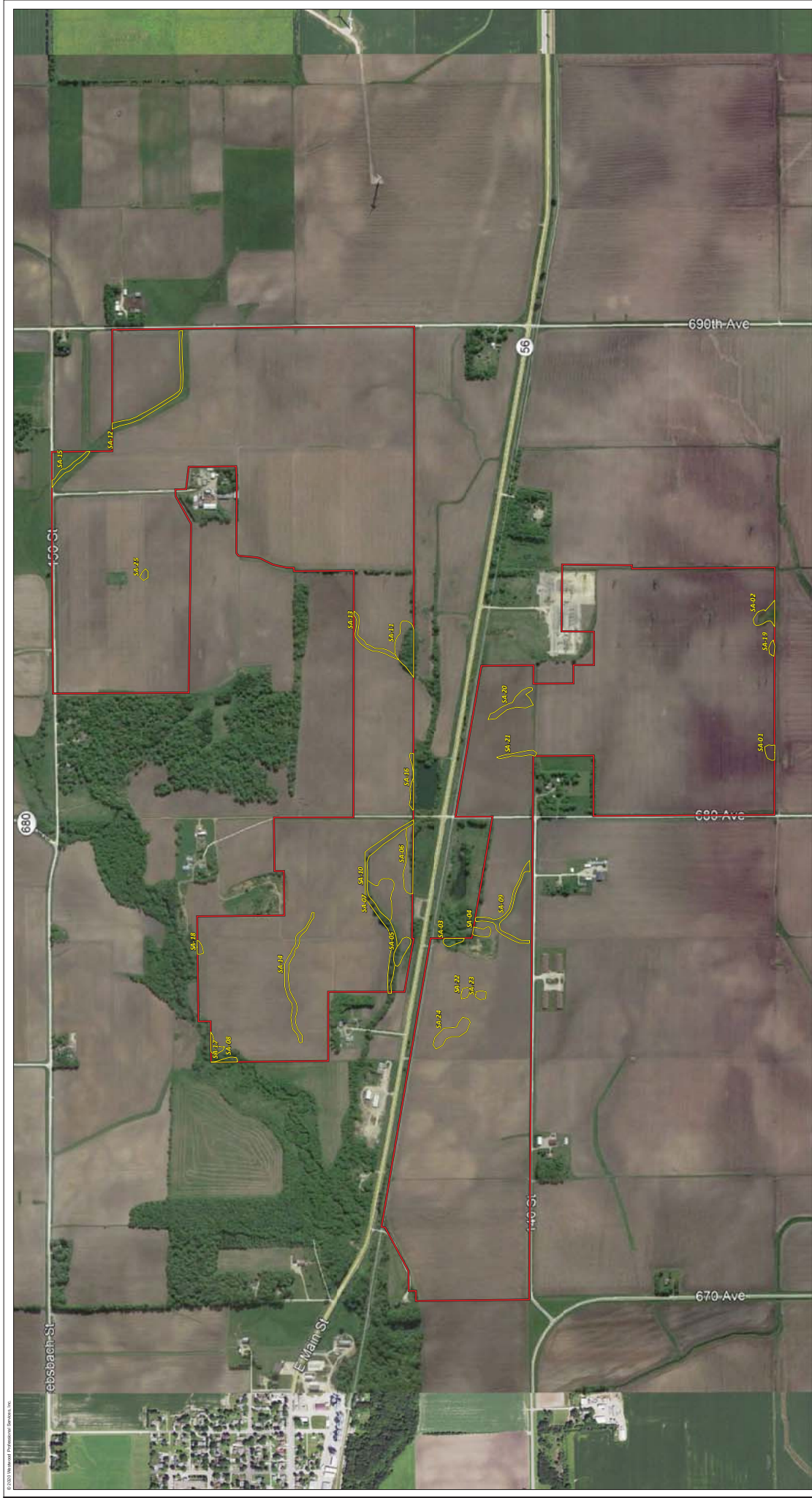
- Project Boundary
- Suspect Area



**Louise Solar**  
Mower County, MN

Aerial Review

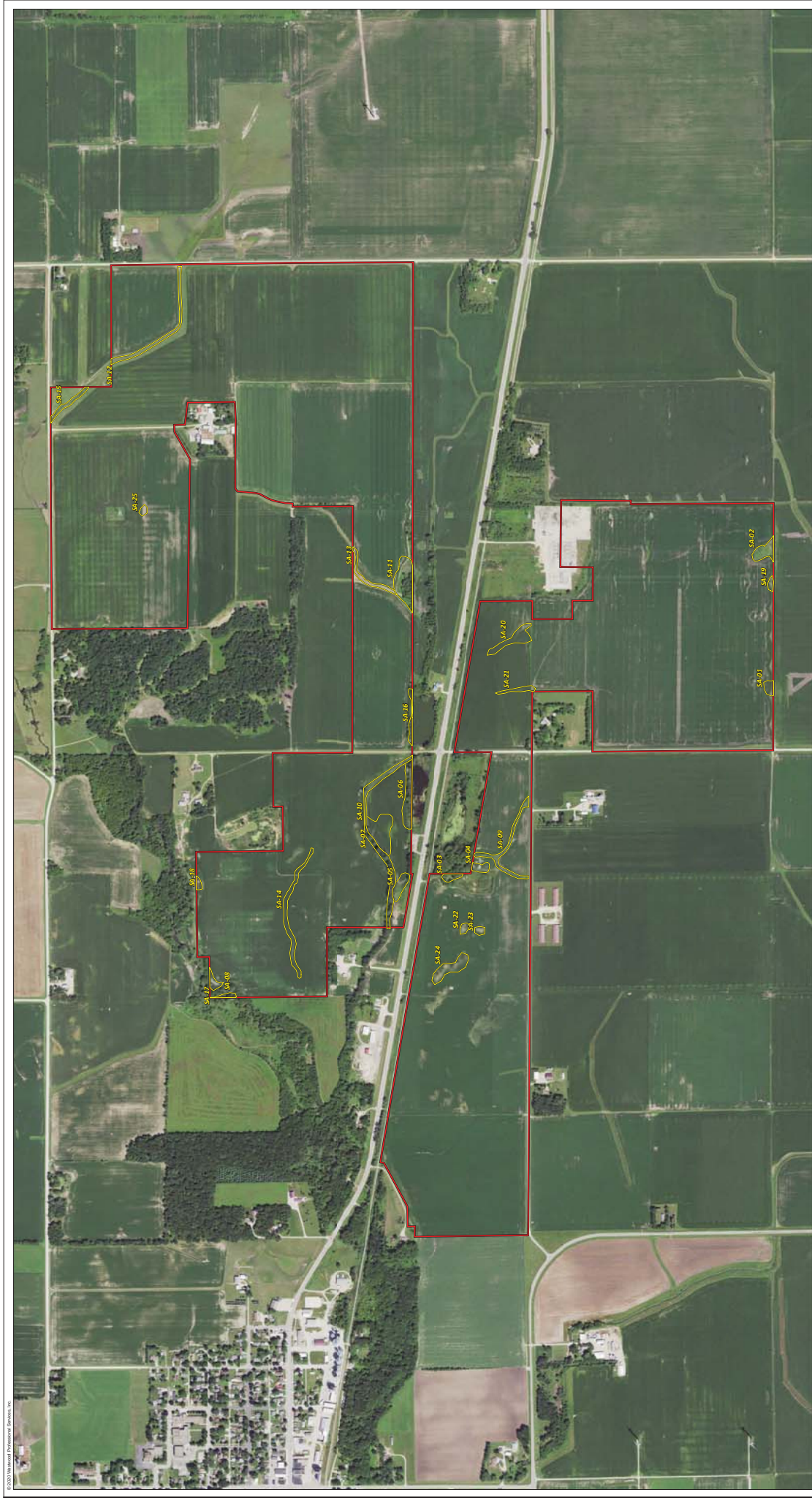
2015



## Legend

- Project Boundary
- Suspect Area





# Legend

- Project Boundary
- Suspect Area

