

MITIGATION BANK PROSPECTUS

FOR THE

BADGER STATE WETLAND MITIGATION BANK

TOWN OF ORANGE

JUNEAU COUNTY

Prepared for:

**Mr. Kurt Rutlin
9006 Copper Road
Warrens, WI 54666
kurt@copperroad.biz**

October 23, 2015

Prepared By:

**GARY W. STARZINSKI
LICENSED PROFESSIONAL SOIL SCIENTIST
RECOGNIZED USACE & WDNR WETLAND CONSULTANT**

AND

**BRIAN CAMLEK
WATER RESOURCE SPECIALIST
RECOGNIZED USACE & WDNR WETLAND CONSULTANT**

**STAR ENVIRONMENTAL, INC.
(715) 443-6115
Fax: (715)443-6108
starencvironmental@hotmail.com**

**WETLAND MITIGATION BANK PROSPECTUS
FOR THE
BADGER STATE WETLAND MITIGATION BANK**

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- Badger State Wetland Bank-Proposed Restorable Area Map
- USDA-NRCS Wetland Restoration Location Map

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**WETLAND MITIGATION BANK PROSPECTUS
FOR THE
BADGER STATE WETLAND MITIGATION BANK**

I. Owner

Martin Georgeson is the current landowner with Kurt Rutlin identified as bank sponsor. No other owners for the sponsor are identified.

II. Agent

Larry D. Koopman, P.E. Lampert-Lee & Associates and Gary W. Starzinski, LPSS, Recognized USACE and WDNR Wetland Consultant, Star Environmental, Inc. are identified as the project consultants, both with over 34 years of professional experience in the engineering field, hydrology, wetlands and soils

III. Objectives

The broad purpose of this proposed Wetland Mitigation Bank is to be designated as "General Use Mitigation Bank" with the ability to sell credits to the general public. Specific objective is to establish a total Wetland Mitigation Bank of 100 acres, with 75 proposed credits.

IV. Maps (Attachment #1)

This site is located in the SW1/4, Section 9, T.17N.-R.2E, Town of Orange, Juneau County.

- a. Location Map of the Proposed Bank Service Area is attached
- b. Plat map with Land ownership shown is attached
- c. Soils map, topographic map and recent aerial image showing:
 - I. Boundary of compensation site
 - II. Adjacent highways
 - III. Public or utility infrastructure (not applicable)
 - IV. Floodplain Map
 - V. Hydrologic Map
 - VI. Surface Water Data Viewer Map – Wetland Map
 - VII. Recent aerial photos
 - VIII. Wetland and Exploratory Soil Boring Map
 - IX. Proposed Restoration Area Map
 - X. USDA-NRCS Wetland Restoration Location Map

V. Narrative

The existing land use is mostly cropland, recently planted to soybeans and corn (approximately 86 acres), reed canary grass (approximately 1 acre), wooded upland (approximately 12 acres), Hardwood Swamp (approximately 1 acre) with a district drainage ditch on the south side of the property. The area is approximately 100 acres.

The proposed wetland bank will consist of approximately 67 acres Wet-Wet Mesic Prairie or Fresh (Wet) Meadow, approximately 1 acre of reed canary grass to be enhanced, approximately 1 acre Hardwood Swamp to be included and the balance to consist of Wooded Upland, Upland Prairie and the district drainage ditch.

The property will be surveyed to determine the topography, groundwater elevations and acreage of each component of the proposed bank. A site visit will be completed by members of the WDNR and USACE staff on November 5, 2015.

There are two drainage ditches in the restorable area, both to be backfilled and one district drainage ditch on the south side of the property, not to be backfilled.

The proposed project will increase wetland functional values and services by creating a more diversified flora and fauna habitat, improve wildlife habitat, improve flood or stormwater attenuation and both surface and groundwater quality, along with providing better aesthetic and recreational values.

The ecological suitability of this site will achieve the objectives of the proposed Mitigation Bank by returning the site to the Historic Natural Wetland-Upland Plant Communities as described. The original hydric and non-hydric soil conditions exist. The groundwater and surface water driven wetland hydrology is expected to rebound quickly after final grading activities are completed.

The proposed ownership arrangements and long-term management strategy for this Wetland Mitigation Bank is controlled by Kurt Rutlin.

VI. Hydrology

A district drainage ditch is present along the length of the south property line. This ditch has an unknown lateral effect, but will be studied further. This ditch will not be filled. To minimize future lateral effect caused by the ditch, a subsurface dike consisting of slowly permeable material will be installed directly upslope of the ditch.

Assurance that sufficient water supply is present, is demonstrated by the attached soil boring and groundwater documentation. (See attached soil boring logs). Further evidence that sufficient hydrology is present in this area can be found directly to the west where the USDA-NRCS developed a wetland restoration site with a similar landscape.

ATTACHMENT 1

PROJECT SITE MAPS

Bank Service Area Map

Plat Map

NRCS Soil Survey Map

NRCS Soil Legend

Topographic Map

Orthophoto Map

Adjacent Highways

Floodplain Map

Hydrologic Map-Designated Waterways

Surface Water Data Viewer Wetland Map

Surface Water Data Viewer WROC Aerial Map

Draft NRCS Wetland Inventory Map

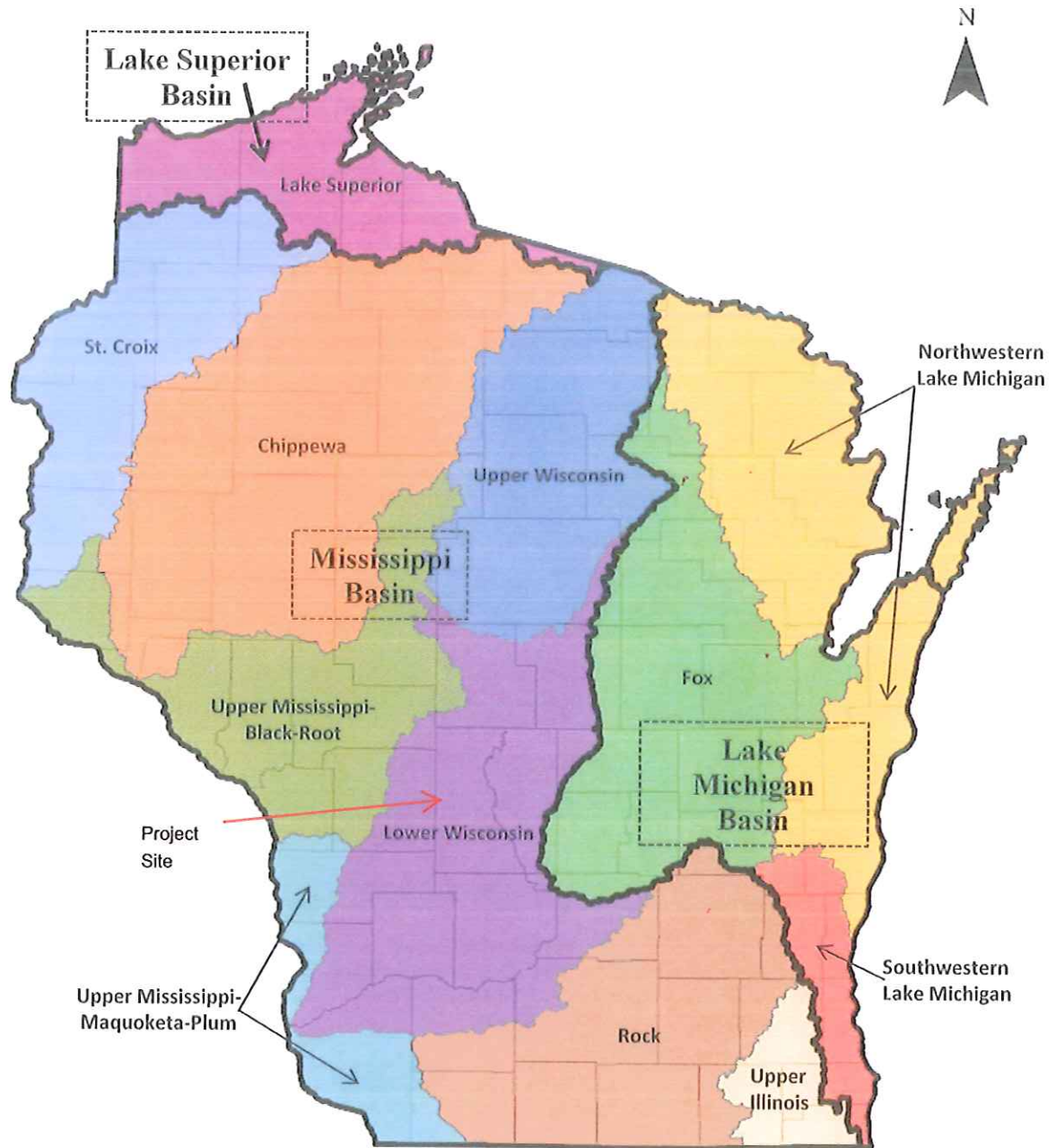
Badger State Wetland and Exploratory Boring Map

Badger State Wetland Bank-Proposed Restorable Area Map

USDA-NRCS Wetland Restoration Location Map

Bank Service Area Map

Figure 1. Watershed map based on modified 6-digit HUC boundaries. Map shows 3 major basins: Lake Superior Basin, Lake Michigan Basin, and Mississippi Basin. Colored blocks represent the Primary BSA and the Permittee-Responsible Search Area.

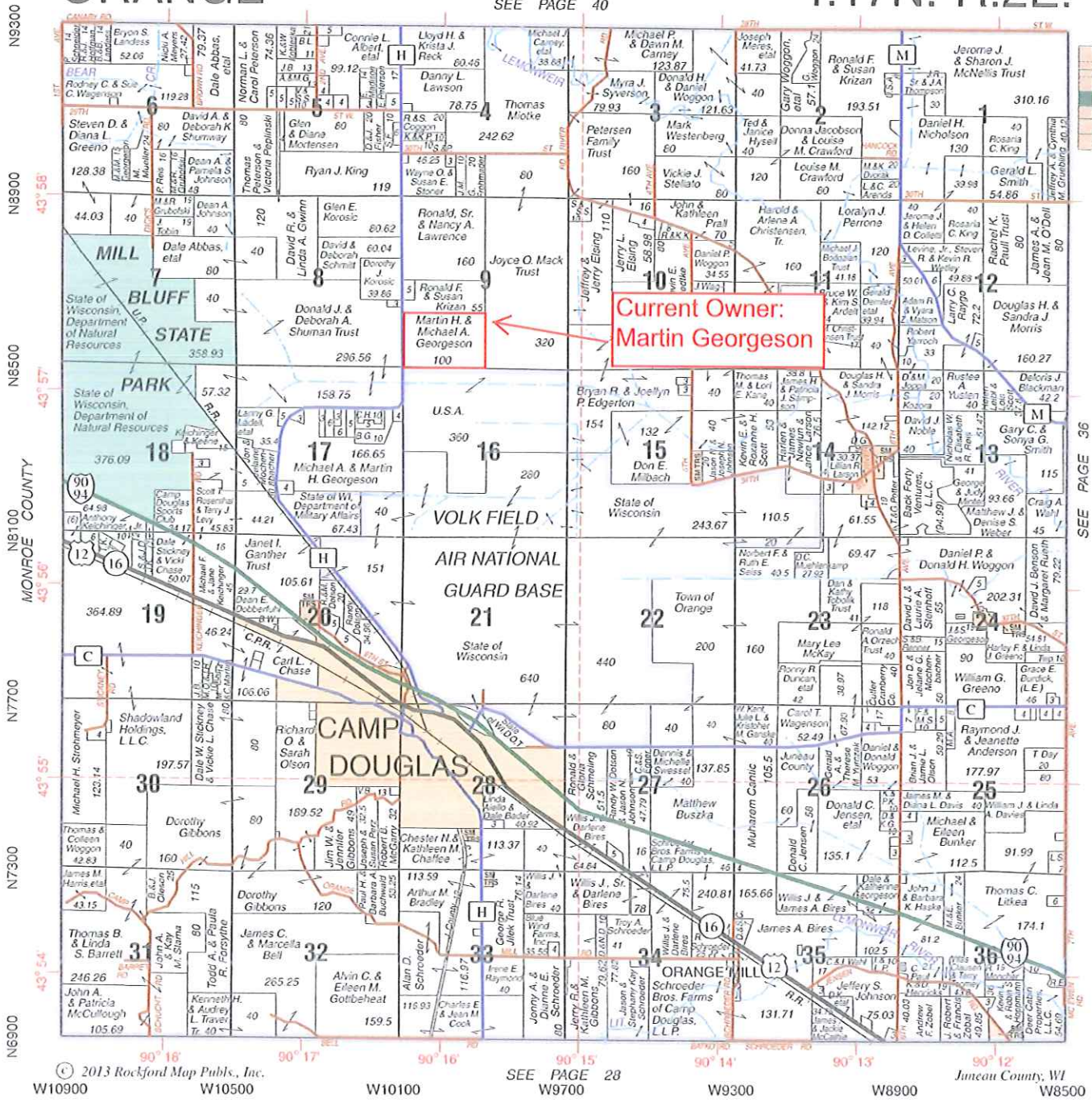


ORANGE

Plat Map

T.17N.-R.2E.

SEE PAGE 40



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SEE PAGE 28

Juneau County, WI

W10900

W10500

W10100

W9700

W9300

W8900

W8500

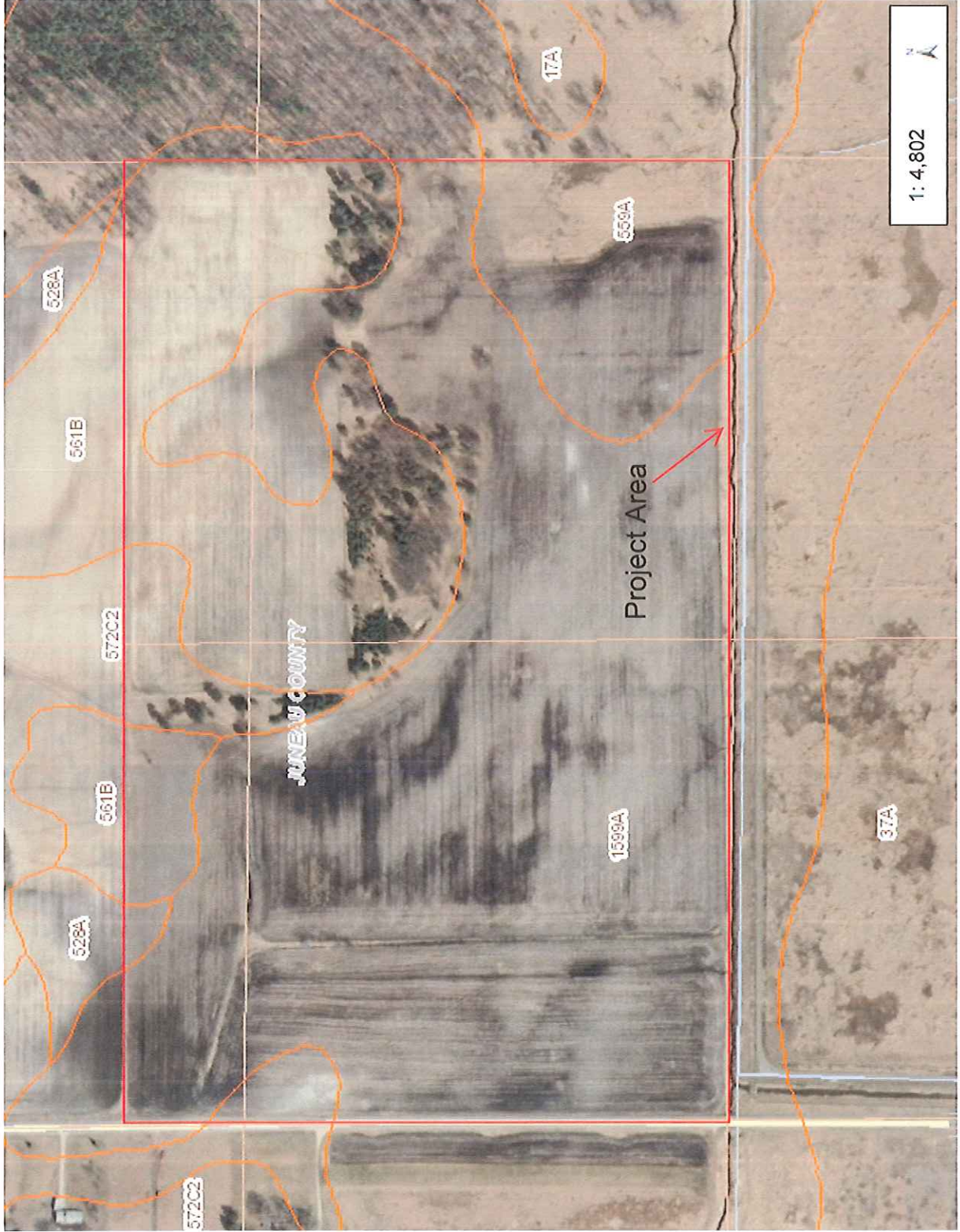


NRCS Soil Survey Map



Legend

- NRCS Wisconsin Soils
- Soil Mapping Unit
- Water
- Quarter-Quarter
- Rivers and Streams
- Open Water



0.2
0 0.08 0.2 Miles

1: 4,802

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/org/legal/>

NAD_1983_HARN_Wisconsin_TM
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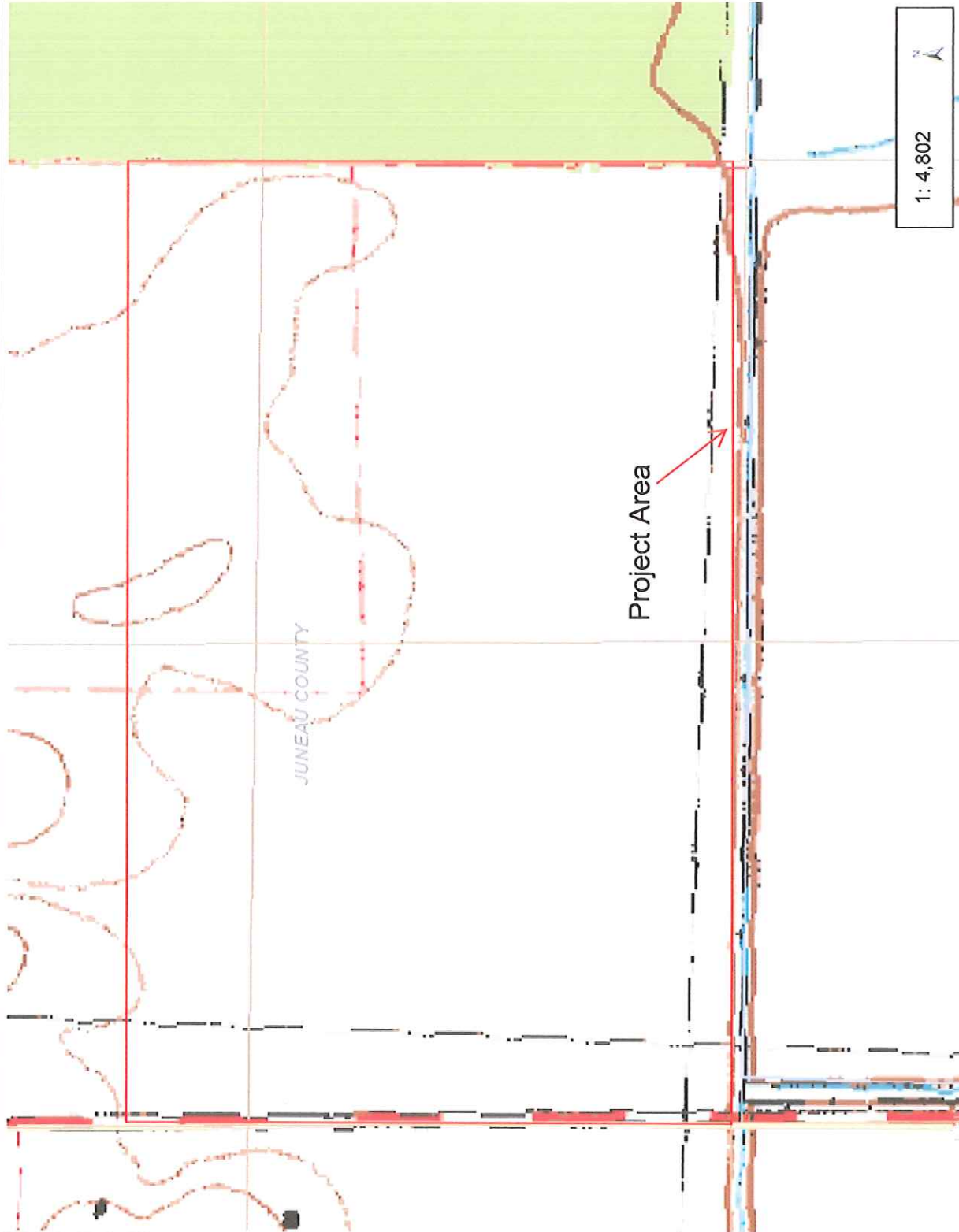
Notes

Map Unit Legend




Juneau County, Wisconsin (WI057)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
528A	Majik loamy sand, lake terrace, 0 to 3 percent slopes	0.2	0.2%
559A	Wautoma loamy sand	10.5	10.5%
561B	Tarr sand, 1 to 6 percent slopes	22.5	22.3%
572C2	Windward loamy fine sand, 6 to 12 percent slopes, moderately eroded	2.7	2.7%
1599A	Ponycreek-Dawsil complex, lake terrace, 0 to 2 percent slopes	64.5	64.2%
Totals for Area of Interest		100.5	100.0%



Topographic Map



Legend

-  Quarter-Quarter
-  Rivers and Streams
-  Open Water



1: 4,802



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Notes

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Orthophoto Map



Legend

- Quarter-Quarter
- Rivers and Streams
- Open Water



1: 4,802

0.2 Miles

0 0.08

0.2

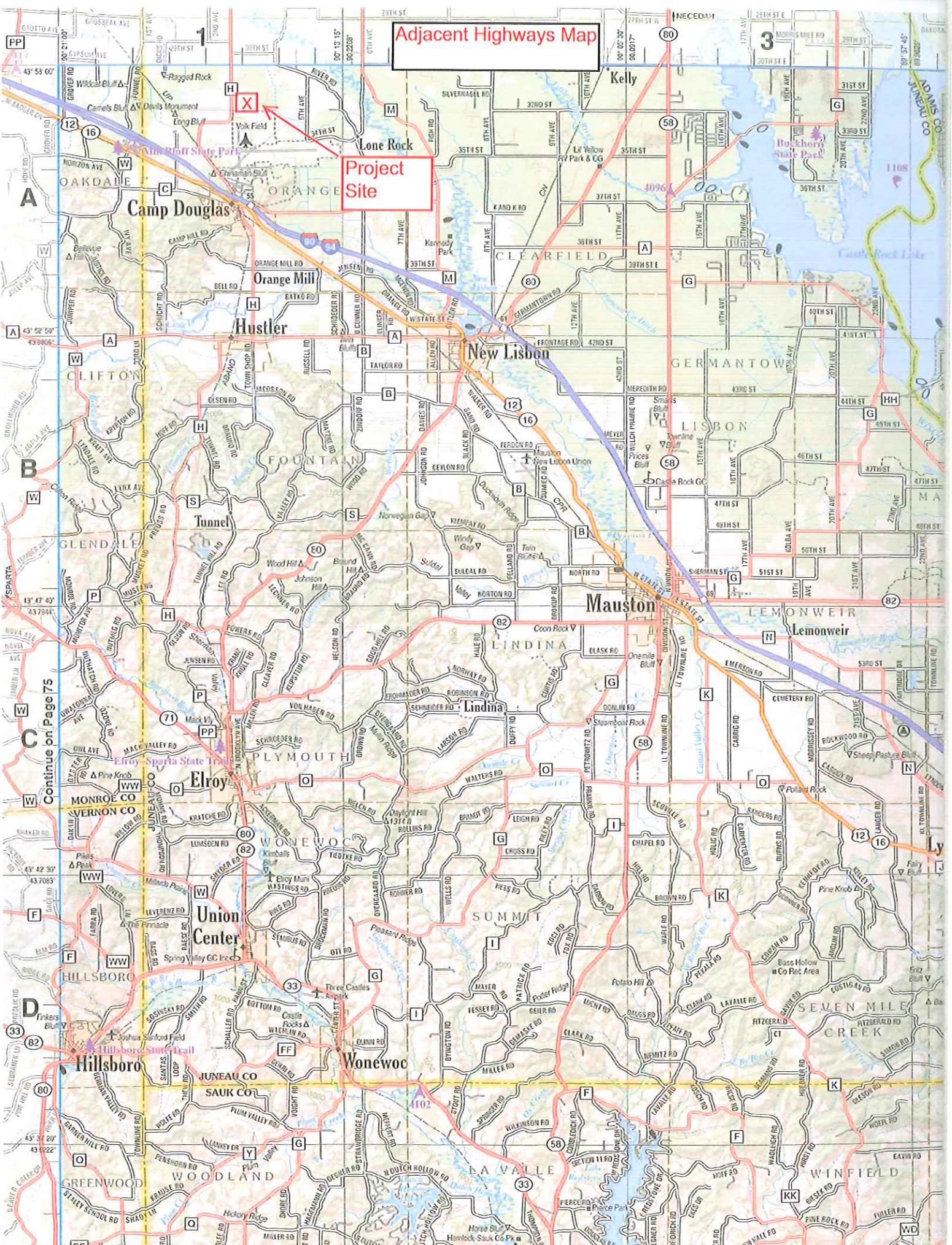
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Notes

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Adjacent Highways Map

Project Site



Continue on Page 75



Floodplain Map



Legend

- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Cross Sections
- Floodway
- Base Flood Elevations
- FIRM Panel Index
- Quarter-Quarter
- Rivers and Streams
- Open Water



1: 4,802

0.2 Miles

0.08

0

0.2

Notes

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Hydrologic Map



1: 4,802

0.2 Miles

0.08

0

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Legend

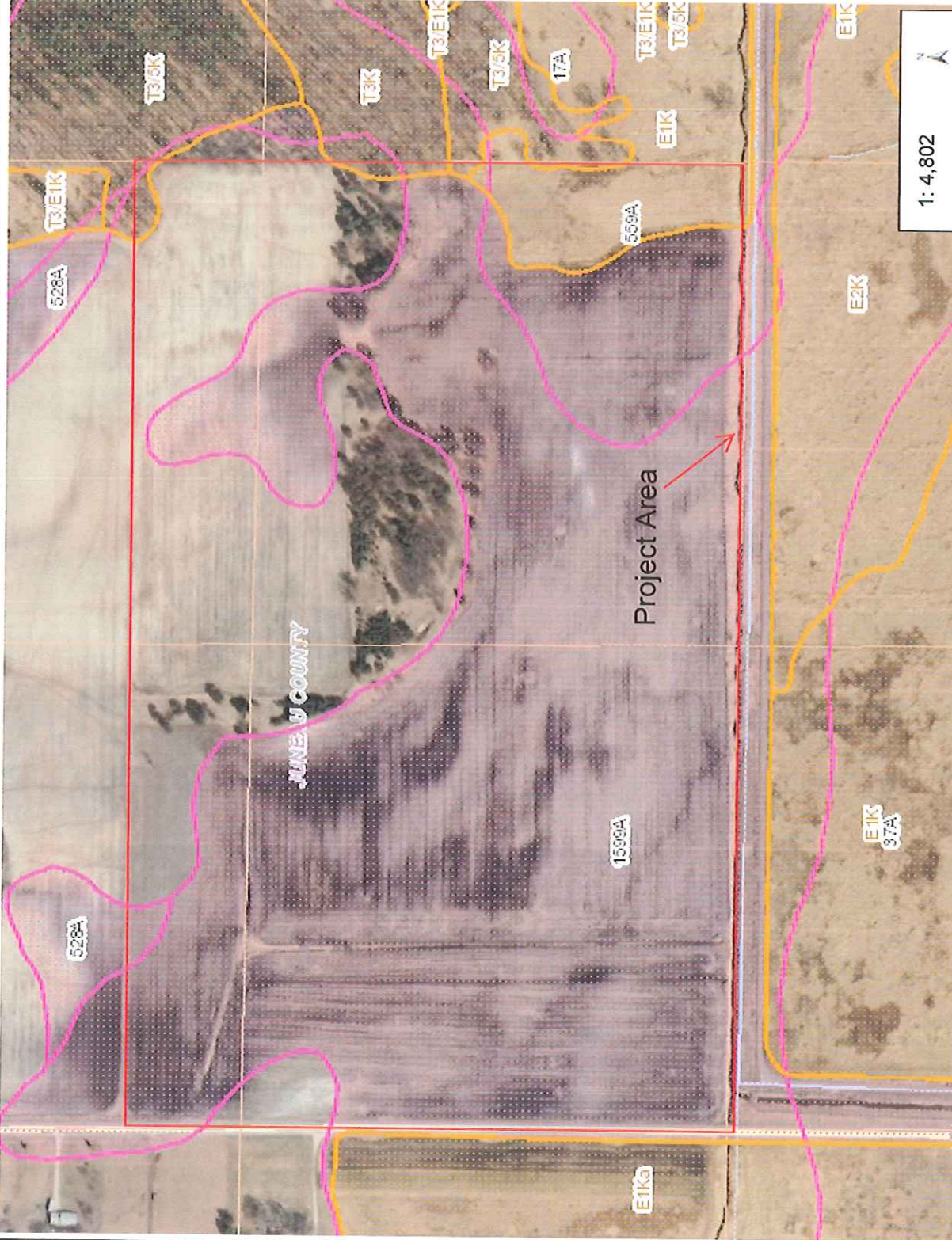
- PRF Sensitive Areas of Lakes
- PRF Other Public Rights Feat
- ASNRI Wild and Scenic Rivers
- ASNRI Outstanding and Excep
- ASNRI Trout Streams
- ASNRI Wild Rice Streams
- ASNRI Quality Wetland Stream
- ASNRI Endangered Threatene
- Concern Streams
- ASNRI Outstanding and Excep
- ASNRI Quality Wetland Areas
- ASNRI Wild Rice Areas
- ASNRI Trout Spring Ponds
- ASNRI Endangered Threatene
- Concern Areas
- ASNRI State Natural Areas
- PNW Musky Streams
- PNW Sturgeon Streams
- PNW Musky Areas
- PNW Sturgeon Areas
- PNW Waileye Areas
- PNW Lakes Less Than 50 Acri
- Intermittent Streams
- Quarter-Quarter
- Rivers and Streams
- Open Water

Notes

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Surface Water Data Viewer Wetland Map



1: 4,802

0.2 Miles

0.08

0

0.2

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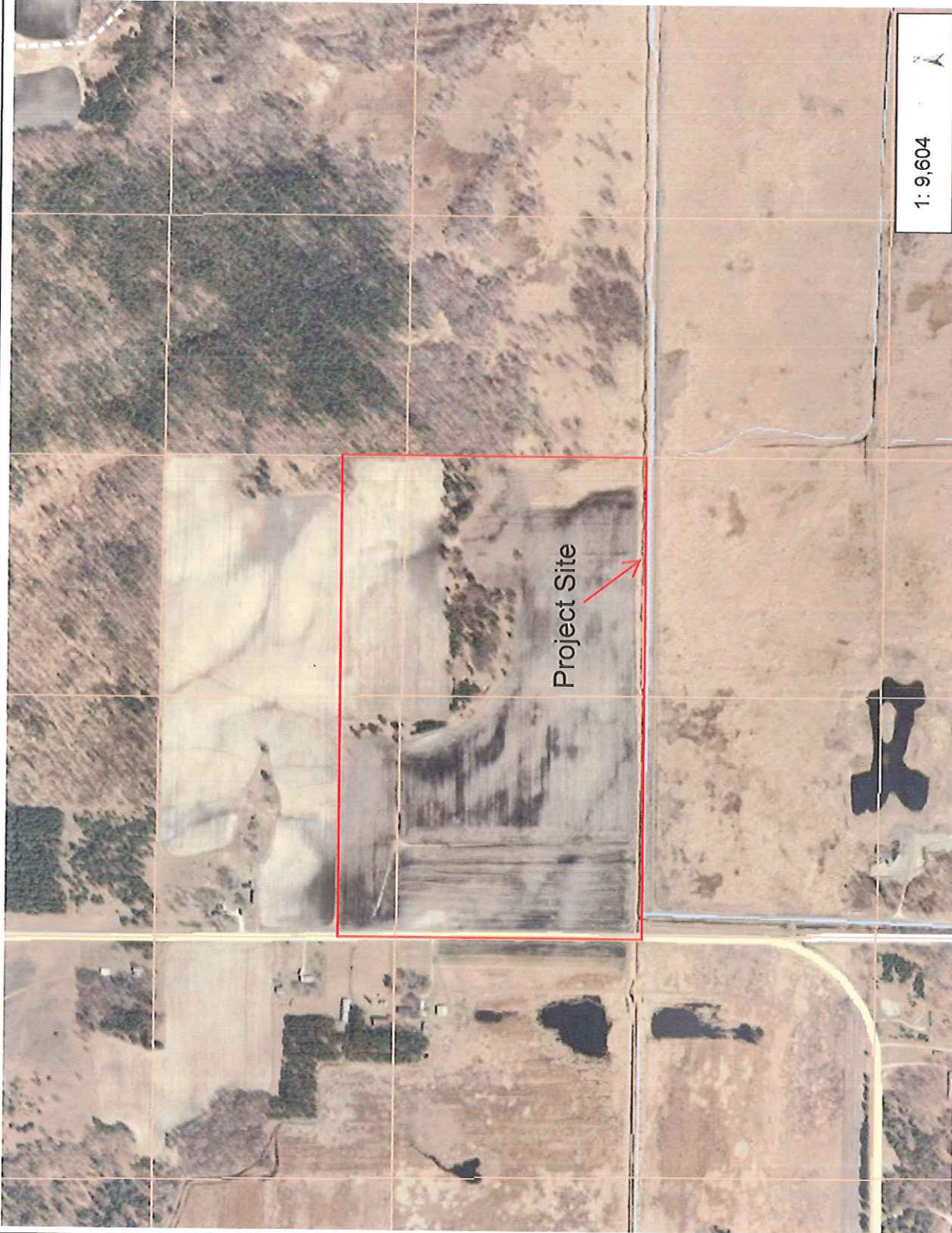
Legend

- Wetland Class Points**
 - Dammed pond
 - Excavated pond
 - Filled excavated pond
 - Filled/draind wetland
 - Wetland too small to delineate
- Filled Points**
- Wetland Class Areas**
 - Wetland
 - Upland
- Filled Areas**
- NRCS Wetspots**
- Wetland Indicators**
- Intermittent Streams**
- Quarter-Quarter**
- Rivers and Streams**
- Open Water**

Notes



Surface Water Data Viewer WROC Aerial Map



Project Site

1: 9,604

0.3 Miles

0 0.15

0

0.3

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Legend

- Intermittent Streams
- Quarter-Quarter
- Rivers and Streams
- Open Water

Notes

DRAFT NRCS WETLAND INVENTORY MAP

01/08/2014

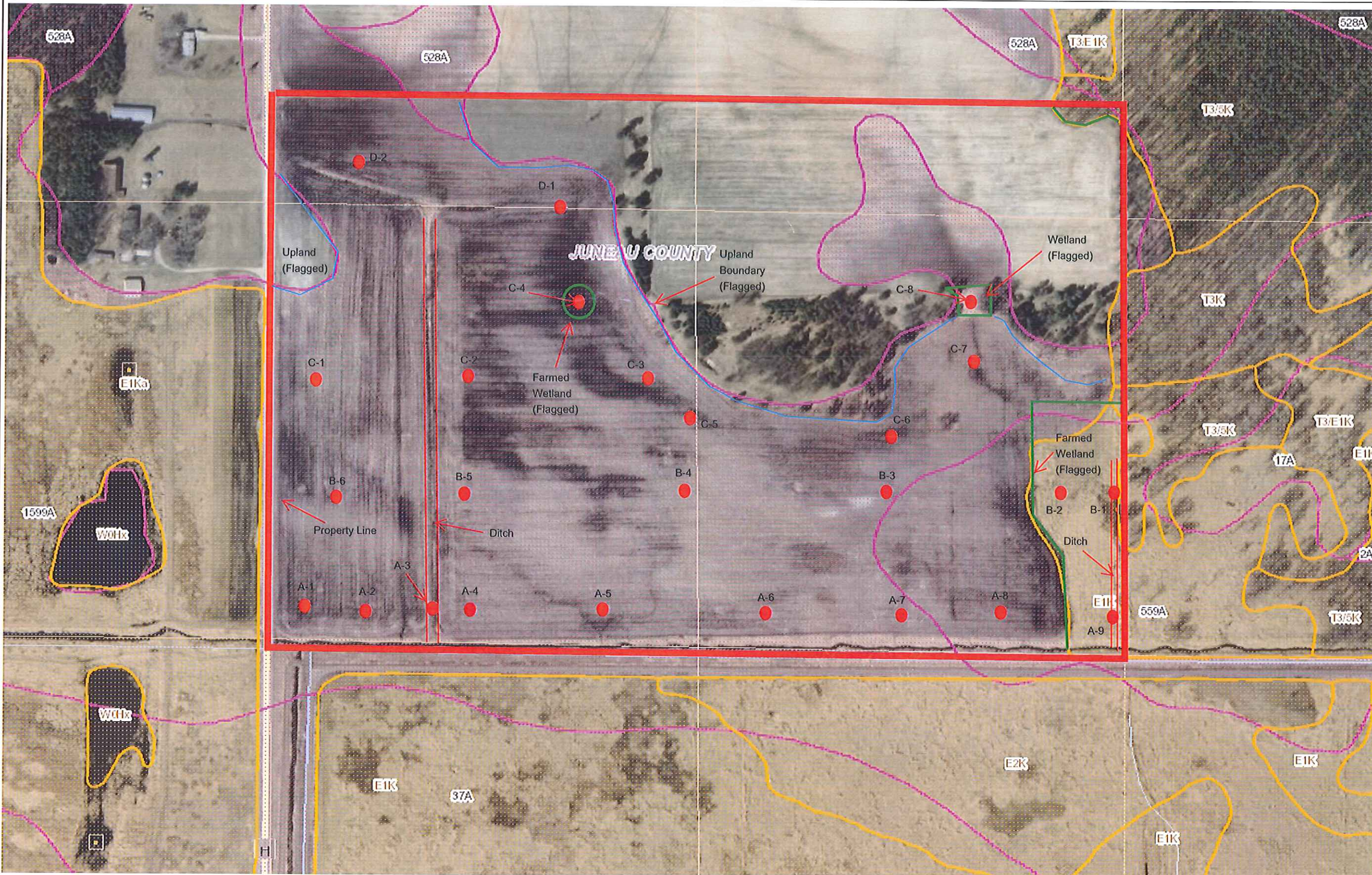
50.2 ac PC
34.6 ac NW
14.4 ac FWP
0.8 ac W



T17N R2E SEC 9 ORANGE TWP JUNEAU CO WI



Badger State Wetland and Exploratory Boring Map



- Legend**
- Wetland Class Points**
 - Dammed pond
 - Excavated pond
 - Filled excavated pond
 - Filled/drained wetland
 - Wetland too small to delineate
 - Filled Points**
 - Wetland Class Areas**
 - Wetland
 - Upland
 - Filled Areas**
 - NRCS Wetspots**
 - Wetland Indicators**
 - Quarter-Quarter**
 - Rivers and Streams**
 - Open Water**
 - Soil Borings**
 - Flagged Wetlands**
 - Flagged Uplands**

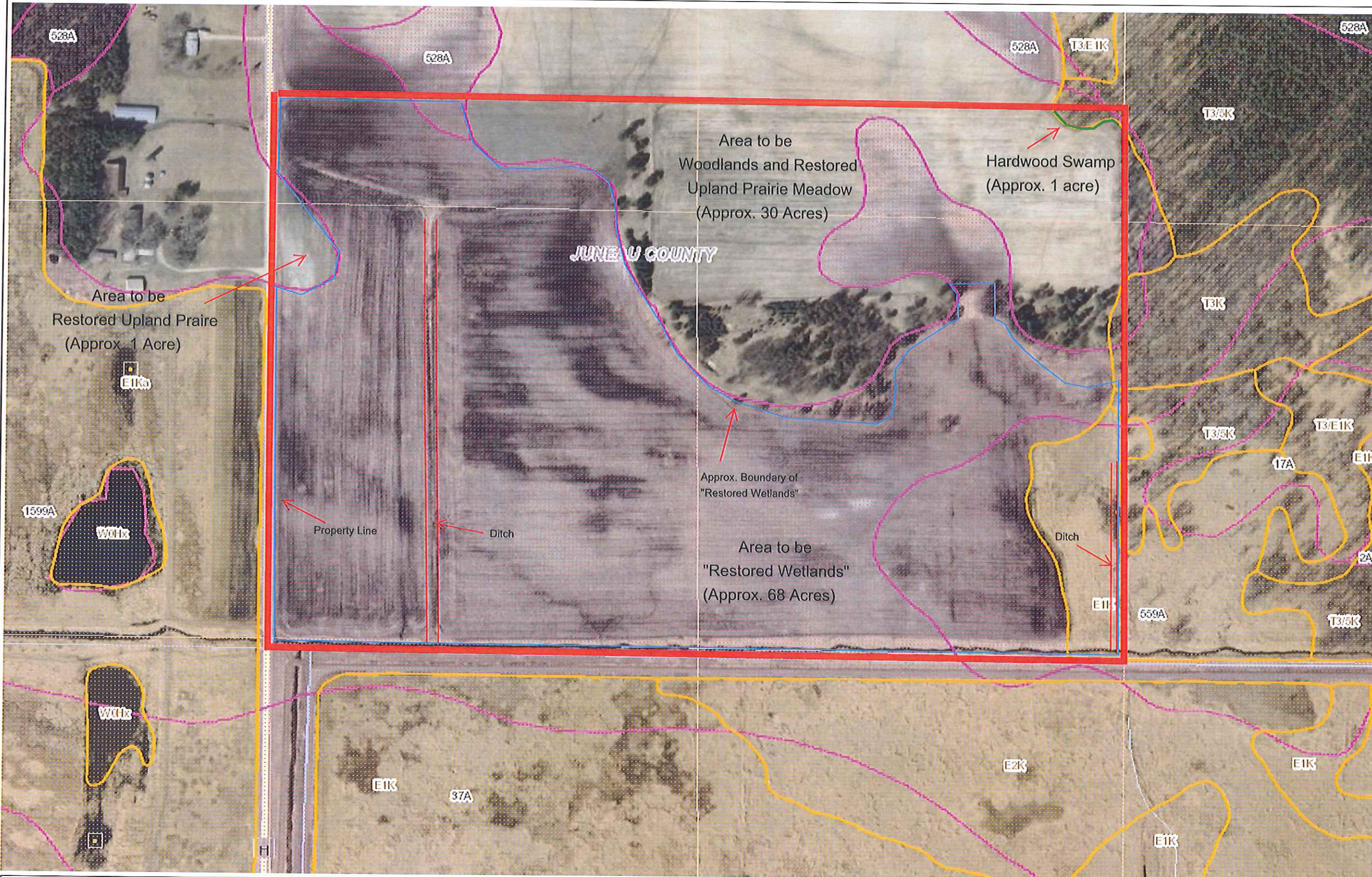
1:3,511



0.1 0 0.06 0.1 Miles

Notes

Badger State Wetland Bank Proposed Restorable Area Map



- Legend**
- Wetland Class Points**
 - Dammed pond
 - Excavated pond
 - Filled excavated pond
 - Filled/draind wetland
 - Wetland too small to delineate
 - Filled Points**
 - Wetland Class Areas**
 - Wetland
 - Upland
 - Filled Areas**
 - NRCS Wetspots**
 - Wetland Indicators**
 - Quarter-Quarter
 - Rivers and Streams
 - Open Water
 - Proposed Restorable Area Boundary

1:3,511



0.1 0 0.06 0.1 Miles

Notes

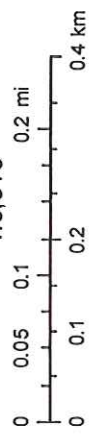
USDA-NRCS Wetland Restoration Location Map



October 23, 2015

- + Major Roads
- Railroads
- County Hwy
- Interstate Hwy
- State Hwy
- US Hwy
- Local Roads
- - ROW
- Address Points

1:8,313



DISCLAIMER: The maps, locations, bearings, and measurements depicted on this map are produced as a service to assist property owners and are not guaranteed to be accurate and shall not be used in lieu of a properly conducted survey of the property. Juneau County assumes no liability for the accuracy of this map and information. You are on notice that you should report any errors found to Juneau County immediately. CONTACT THE JUNEAU COUNTY LAND INFORMATION OFFICE WITH ANY QUESTIONS OR PROBLEMS (608) 847-9446/(608) 847-9457.



**ATTACHMENT 2
SOIL BORING LOGS**

SOIL EVALUATION REPORT

in accordance with Comm 85, Wis. Adm. Code

Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1) (m)).

County	Juneau
Parcel I.D.	
Reviewed by	Date

Property Owner Martin Georgeson-Owner, Kurt Rutlin-Sponsor		Property Location Govt. Lot 1/4 SW 1/4 S 9 T 17 N R 2 <input type="checkbox"/> E (or) W <input type="checkbox"/> W	
Property Owner's Mailing Address		Lot #	Block #
City State Zip Code Phone Number		Subd. Name or CSM#	
		<input type="checkbox"/> City <input type="checkbox"/> Village <input checked="" type="checkbox"/> Town	Nearest Road Orange County Highway H

New Construction Use Residential / Number of bedrooms _____ Code derived design flow rate _____ GPD
 Replacement Public or commercial - Describe: _____
 Parent material _____ organics over lacustrine deposits _____ Flood Plain elevation if applicable _____ ft.
 General comments and recommendations: **Soil Boring and Groundwater Logs for the proposed Badger State Wetland Mitigation Bank**

A1 Boring # Boring **Dawsil Series**
 Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
1	0-18	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-40	10YR 6/2	-	S	SG	ML	AW	1VF	-	-
3	-55	5YR 4/6	-	CL	2MABK	MFR	-	-	-	-
Water Present @ 48"										

A2 Boring # Boring **Dawsil Series**
 Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
1	0-14	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-22	10YR 6/2	-	S	SG	ML	AW	1VF	-	-
3	-40	10Y 7/1	-	SCL	2MABK	MFR	AW	-	-	-
4	-53	5YR 4/6	-	CL	2MABK	MFR	AW	-	-	-
5	-63	2.5Y 6/8	-	S	SG	ML	-	-	-	-
Water Present @ 42"										

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name (Please Print) Gary Starzinski & Brian Camlek	Signature 	CST Number 222352 & 1226509
Address PO Box 434 Marathon, WI 54448	Date Evaluation Conducted 10-19-2015	Telephone Number 715-443-6115

Property Owner Martin Georgeson

Parcel ID # _____

Page 2 of 9

A3 Boring # Boring Pit **Dawsil Series**
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-12	10YR 2/1		MK	2MGR	MVFR	AS	2VF-F	-	-
2	-36	5YR 4/4		CL	2MABK	MFR	AW	-	-	-
3	-48	2.5Y 6/8		S	SG	ML	-	-	-	-
			Water Present @ 26"							

A4 Boring # Boring Pit **Dawsil Series**
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-18	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-26	10Y 7/1	-	CL	2MABK	MFR	CW	-	-	-
3	-48	10YR 6/2	-	S	SG	ML	AW	-	-	-
4	-60	5YR 4/6	-	CL	2MABK	MFR	-	-	-	-
			Water Present @ 60"							

A5 Boring # Boring Pit **Dawsil Series**
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-10	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-22	10YR 6/2	-	S	SG	ML	CW	1VF	-	-
3	-32	10Y 7/1	-	SCL	2MABK	MFR	AW	-	-	-
4	-40	7.5YR 6/8	-	S	SG	ML	AW	-	-	-
5	-48	10YR 6/2	-	S	SG	ML	AW	-	-	-
6	-56	5YR 4/6	-	CL	1MABK	MFR	AW	-	-	-
7	-60	10YR 6/2	-	S	SG	ML	-	-	-	-

Water Present @ 38"

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, please contact the department at 608-266-3151 or TTY 608-264-8777.

Property Owner Martin Georgeson

Parcel ID # _____

Page 3 of 9

A6 Boring # Boring Pit **Dawsil Series**
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-20	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-48	10YR 6/2	-	S	SG	ML	AW	-	-	-
3	-57	10YR 4/6	-	CL	2MABK	MFR	-	-	-	-
			Water Present @ 57"							

A7 Boring # Boring Pit **Dawsil Series**
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-18	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-28	10YR 6/2	-	S	SG	ML	CW	-	-	-
3	-34	10Y 7/1	-	SCL	2MABK	MFR	AW	-	-	-
4	-48	10YR 6/2	-	S	SG	ML	AW	-	-	-
5	-58	5YR 4/6	-	CL	1MABK	MFR	-	-	-	-
			Water Present @ 53"							

A8 Boring # Boring Pit **Dawsil Series**
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-10	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-36	10YR 6/2	-	S	SG	ML	CW	1VF	-	-
3	-56	5YR 4/6	-	CL	2MABK	MFR	-	-	-	-
			Water Present @ 41"							

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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Property Owner Martin Georgeson

Parcel ID # _____

Page 4 of 9

A9 Boring # Boring Dawsil Series
 Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-5	10YR 2/1	-	MK	2MGR	MVF	AS	2VF-F	-	-
2	-8	10YR 6/2	-	S	SG	ML	CW	-	-	-
3	-48	5YR 4/6	-	CL	2MSBK	MFR	-	-	-	-
			Water Present @ 29"							

B1 Boring # Boring Dawsil Series
 Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-6	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-28	10Y 7/1	-	CL	2MABK	MFR	-	-	-	-
			Water Present @ 11"							

B2 Boring # Boring Dawsil Series
 Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-12	10YR 4/6	-	PT	2MGR	MVFR	CW	2VF-F	-	-
2	-45	10YR 2/1	-	MK	2MSBK	MVFR	AS	1VF	-	-
3	-60	10YR 6/2	-	S	SG	ML	-	-	-	-
			Water Present @ 35"							

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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B3 Boring # Boring Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-12	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-24	10YR 6/2	-	S	SG	ML	AW	1VF	-	-
3	-44	5YR 4/6	-	CL	2MABK	MFR	-	-	-	-
			Water Present @ 46"							

B4 Boring # Boring Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-18	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-24	10YR 6/2	-	S	SG	ML	CW	-	-	-
3	-62	10YR 7/2	-	S	SG	ML	-	-	-	-
			Water Present @ 52"							

B5 Boring # Boring Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-15	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-25	10YR 6/2	-	S	SG	ML	CW	1VF	-	-
3	-55	10YR 7/2	-	S	SG	ML	-	-	-	-
			Water Present @ 52"							

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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B6 Boring # Boring Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
1	0-16	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-55	10YR 6/2	-	S	SG	ML	-	-	-	-
			Water @ 42"							

C1 Boring # Boring Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
1	0-16	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-48	10YR 6/2	-	S	SG	ML	-	-	-	-
			Water @ 42"							

C2 Boring # Boring Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
1	0-16	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-30	10YR 4/6	-	PT	2MSBK	MVFR	AW	-	-	-
3	-48	10YR 6/2	-	S	SG	ML	-	-	-	-
			Water @ 47"							

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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C3 Boring # Boring Dawsil Series
 Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-12	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-20	10YR 6/2	-	S	SG	ML	AW	1VF	-	-
3	-26	10Y 7/1	-	SCL	2MABK	MFR	AW	-	-	-
4	-48	10YR 7/2	-	S	SG	ML	-	-	-	-
			Water @ 44"							

C4 Boring # Boring Dawsil Series
 Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-12	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-49	10YR 6/2	-	S	SG	ML	-	1VF	-	-
			Water @ 36"							

C5 Boring # Boring Dawsil Series
 Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-24	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-48	10YR 6/2	-	S	SG	ML	-	-	-	-
			Water @ 47"							

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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C6 Boring # Boring Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft ²	
									*Eff#1	*Eff#2
1	0-12	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-24	10YR 5/4	C2D 7.5YR 5/8	S	SG	ML	CW	IVF	-	-
3	-30	10YR 6/2	-	S	SG	ML	CW	-	-	-
4	-43	10YR 7/2	-	S	SG	ML	-	-	-	-
			Water Present @ 41"							
			Bedrock @ 43"							

C7 Boring # Boring Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft ²	
									*Eff#1	*Eff#2
1	0-16	10YR 2/1	-	MK	2MGR	MVFR	AS	3VF-M	-	-
2	-44	10YR 6/2	-	S	SG	ML	-	IVF	-	-
			Water Present @ 39"							

C8 Boring # Boring Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft ²	
									*Eff#1	*Eff#2
1	0-14	10YR 2/1	-	MK	2MGR	MVFR	AS	2VF-F	-	-
2	-48	10YR 6/2	-	S	SG	ML	AW	IVF	-	-
3	-55	2.5Y 6/8	-	S	SG	ML	-	-	-	-
			Water Present @ 50"							

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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Boring # D1 Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-10	10YR 2/1	-	MKLS	2MGR	MVFR	AS	2VF-F	-	-
2	-48	10YR 6/2	-	S	SG	ML	-	1VF	-	-
			Water Present @ 45"							

Boring # D2 Pit Dawsil Series
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2
1	0-12	10YR 2/1	-	MKLS	2MGR	MVFR	AS	2VF-F	-	-
2	-22	10YR 6/4	-	SCL	2MSBK	MFR	AW	1VF	-	-
3	-44	10YR 6/2	-	S	SG	ML	-	-	-	-
			Water Present @ 32"							

Boring # _____ Pit _____
 Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ff	
									*Eff#1	*Eff#2

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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ATTACHMENT 3
WETS TABLE

USDA Field Office Climate Data

MAUSTON 1 SE (475178)
 Monthly Totals/Averages
 Precipitation (inches)
 Year: 2015

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	0.42	0.60	0.58	3.95	5.26	5.27	2.38	3.03	4.85	0.11	-	-	-

Product generated by ACIS - NOAA Regional Climate Centers.

