



United States Department of Agriculture

**CERTIFIED MAIL--RETURN RECEIPT REQUESTED**

February 13, 2020

Kendall Miller  
PO Box 3  
Edgewater, FL 32132

Dear Kendall:

This letter is to notify you that a Preliminary Wetland Determination has been completed for your Farm 3716, Tract 6785, Chickasaw County, Iowa. This determination was completed in accordance with the National Food Security Act Manual Wetland Identification procedures; Title 7 Part 12 of the Code of Federal Regulations (CFR) and Title 7 Part 12.5(b) and Part 12.2 of the CFR. See the enclosed NRCS-CPA-026 "*Highly Erodible Land and Wetland Conservation Determination*" form and aerial photo for definitions and location(s) of wetlands on this tract. If you did not request a wetland determination for your entire farm, wetlands may exist in other locations.

The **Preliminary Technical Determination** is: There are wetland(s) or wetland(s) types as listed on the attached form. The Preliminary Technical Determination is that Field #9 of Tract 1071 contains **Wetlands (W)** for USDA purposes.

The areas designated as wetlands are wetlands because:

- Has a predominance of hydric soils
- Is inundated or saturated by surface or groundwater at a frequency and duration sufficient to support a prevalence of hydrophytic vegetation typically adapted for life in saturated soil conditions, and
- Under normal circumstances does support a prevalence of such vegetation.

If you do not consider the results of this determination to be adverse to you, no further action is required by you. If you feel that this determination is adverse, you may appeal this preliminary determination by requesting in writing one of the options listed below within 30 days of receipt of this letter. This Preliminary Technical Determination will **become final 30** days after receipt of this letter unless you request one of the following options in writing:

- 1) Reconsideration and field visit. During the field visit we will review the basis for our determination, answer any questions you have regarding this preliminary determination, and offer an opportunity for you to provide additional information regarding this determination. This request must be in writing and addressed to the Resource Conservationist who made the determination as shown below:

Ben Kuennen  
420 W Milwaukee Street  
New Hampton, Iowa 50659

Natural Resources Conservation Service  
210 Walnut Street, Room 693  
Des Moines, IA 50309-2180  
Voice (515) 284-4769 – FAX (855) 261-3544  
An Equal Opportunity Provider and Employer



- 2) Request mediation by contacting the Iowa Mediation Service at the address below. Mediation may be used in an attempt to settle your concerns with the preliminary wetland determination.

Iowa Mediation Service  
1441 29<sup>th</sup> Street, Suite 120  
West Des Moines, IA 50266  
(515) 331-8081

If you choose to use mediation, the Natural Resources Conservation Service (NRCS) will pay up to one-half of the costs that are appropriate and reasonable which are associated with securing the services of a trained mediator when the services are provided on other than a voluntary basis. The NRCS will have final discretion over what is considered appropriate and reasonable.

- 3) You may waive your rights to mediation and a field review of the preliminary technical determination. This request must be in writing and addressed to Kurt Simon, State Conservationist, 210 Walnut Street, Room 693, Des Moines, IA 50309. In this case you will immediately be issued a final technical determination and appeal rights to National Appeals Division (NAD) and/or to the FSA County Committee.

After completion of the field visit if one is requested, or following the completion of mediation, a final technical determination will be issued. If you choose to take no action, the Preliminary Technical Determination will become the **Final Technical Determination** 30 days after receiving this notice. Once this determination becomes **Final**, you may appeal to the FSA County Committee, or to the National Appeals Division (NAD), at the addresses listed below within 60 calendar days from the date of receipt of this notice.

Chickasaw County FSA County Committee  
420 W Milwaukee Street  
New Hampton, Iowa 50659

or

National Appeals Division  
Post Office Box 68806  
Indianapolis, IN 46268-0806

Your appeal must be in writing and should state clearly what you are appealing and why you believe the Final Technical Determination is not correct. If you do not appeal within 30 days to the FSA County Committee or the National Appeals Division (NAD), no further consideration on the matter will be given.

The 2014 Farm Bill connected producer eligibility for Federal crop insurance premium subsidy to compliance with the wetland conservation provisions. Eligibility for most USDA programs is

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lost for any wetland conversions that have occurred after December 23, 1985. However, only wetland conversions that occur after February 7, 2014 result in ineligibility for Federal crop insurance premium subsidy.

This certified wetland determination/delineation has been conducted for the purpose of implementing the Food Security Act of 1985 as amended. This determination/delineation may not be valid for identifying the extent of the United States Army Corps of Engineers (COE) Clean Water Act jurisdiction for this site. If you intend to conduct any activity that constitutes a discharge of dredged or fill material into wetlands or other waters of the United States including lakes, rivers, intermittent or perennial streams, you should request a jurisdictional determination from the Rock Island District COE office prior to starting your work.

In order to maintain your eligibility for USDA program benefits, contact your local NRCS office regarding allowable use and/or activities in or near areas identified as Wetland (W), Farmed Wetland (FW), Farmed Wetland Pasture or Hayland (FWP) or Manipulated Wetland (WX) area(s) before performing any land altering activities (tiling, land clearing, ditching, drainage maintenance, filling, leveling, removal of woody vegetation, or dredging).

You have 30 calendar days from the date of receipt of this letter to make any request as outlined above.

Sincerely,

A handwritten signature in black ink that reads "Ben Kuennen".

Ben Kuennen  
Wetland Specialist

cc: FSA Chickasaw County  
Randy Vaala, Operator, 3050 110<sup>th</sup> Street, Lawler, Iowa 52154

Enclosure



Conservation Service

**HIGHLY ERODIBLE LAND AND WETLAND CONSERVATION DETERMINATION**

Name Address:	Kendall Miller PO Box 3 Edgewater, FL 32132	Request Date: 10/10/2019	County: Chickasaw
Agency or Person Requesting Determination: FSA		Tract No: 6785	FSA Farm No.: 3716

**Section I - Highly Erodible Land**

Is a soil survey now available for making a highly erodible land determination?	Y
Are there highly erodible soil map units on this farm?	Y

Fields in this section have undergone a determination of whether they are highly erodible land (HEL) or not; fields for which an HEL Determination has not been completed are not listed. In order to be eligible for USDA benefits, a person must be using an approved conservation system on all HEL.

Field(s)	HEL(Y/N)	Sodbust (Y/N)	Acres	Determination Date
1	- N	N	109.7	04/19/1988
2	- N	N	8.6	04/19/1988
5	Y	N	14.8	04/19/1988

The Highly Erodible Land determination was completed in the office

**Section II – Wetlands**

Fields in this section have had wetland determinations completed. See the Definition of Wetland Label Codes for additional information regarding allowable activities under the wetland conservation provisions of the Food Security Act and/or when wetland determinations are necessary to determine USDA program eligibility.

Field(s)	Wetland Label*	Occurrence Year (CW)	Acres	Determination Date	Certification Date
1	PC		109.7	02/25/2016	02/25/2016
2	PC		8.6	02/25/2016	02/25/2016
5	PC		14.8	02/25/2016	02/25/2016
7	NW		10.8	02/25/2016	02/25/2016
7	W		2.2	02/25/2016	02/25/2016

Remarks:

I certify that the above determinations are correct and were conducted in accordance with policies and procedures contained in the National Food Security Act Manual.

Signature Designated Conservationist	Date
<i>Ben Kuennen</i>	<i>2/13/20</i>

**\*DEFINITIONS OF WETLAND LABELS**

AW Artificial Wetland: An area that was formerly a non-wetland area under natural conditions but now exhibits wetland characteristics because of the influence of human activities. These areas are exempt from the Food Security Act of 1985, as amended. This label includes irrigation induced wetlands.

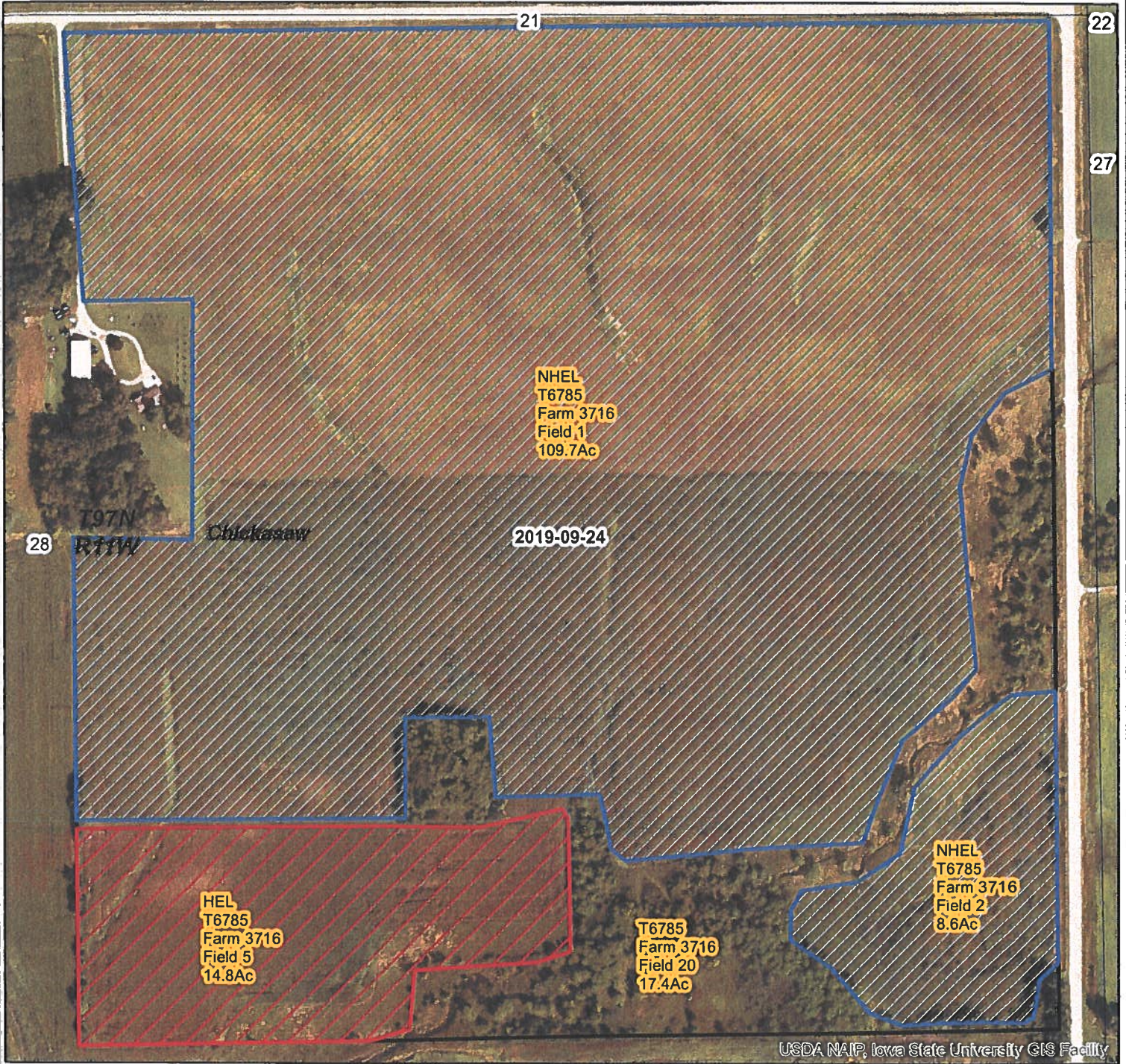
CC	<u>Commenced Conversion</u> : A wetland, farmed wetland, farmed wetland pasture, or converted wetland on which the conversion began but was not completed before December 23, 1985, was approved by FSA to continue, and the conversion was completed by January 1, 1995.
CPD	<u>COE Permit with Mitigation</u> : A converted wetland authorized by a permit issued under Section 404 of the Clean Water Act. Production of agricultural commodities is allowed subject to conditions of the permit.
CMW	<u>Categorical Minimal Effect</u> : A wetland that meets specific categories of conversion activities that have been determined by NRCS to have minimal effect, individually and cumulatively, on the functions and values of the wetland and the wetlands in the watershed.
CW	<u>Converted Wetland</u> : A wetland converted between December 23, 1985, and November 28, 1990. Production of an agricultural commodity or additional manipulation of these areas will yield USDA benefit ineligibility. Also, these areas are wetlands converted after December 23, 1985, by a county, drainage district, or similar entity. For these instances, production of an agricultural commodity or forage for mechanical harvest or additional manipulation will cause ineligibility for USDA program benefits.
CW+year	<u>Converted Wetland + (year the conversion occurred)</u> : A wetland converted after November 28, 1990, where the USDA program participant is ineligible for benefits until the wetland is restored or mitigated unless an exemption applies.
CWNA	<u>Converted Wetland Non-Agricultural Use</u> : A wetland converted after November 28, 1990, to a use other than agricultural commodity production. Label not used for certified wetland determinations completed after 2/2008.
CWTE	<u>Converted Wetland Technical Error</u> : A wetland converted or commenced after December 23, 1985, based on an incorrect NRCS determination. This label does not apply to obvious wetlands as defined in the National Food Security Act Manual.
FW	<u>Farmed Wetland</u> : A wetland that was manipulated and planted before December 23, 1985, but still meets inundation or saturation criteria. These areas may be farmed and maintained as documented before December 23, 1985, as long as they are not abandoned (i.e., management or maintenance for commodity production ceased for 5 consecutive years).
FWP	<u>Farmed Wetland Pasture or Hayland</u> : A wetland that is used for pasture or haying, was manipulated and planted before December 23, 1985, but still meets the inundation or saturation criteria. These areas may be farmed and maintained as documented before December 23, 1985, as long as they are not abandoned (i.e., management or maintenance for commodity production ceased for 5 consecutive years).
MIW	<u>Mitigation Exemption</u> : A converted wetland, farmed wetland or farmed wetland pasture of which the acreage, functions and values lost have been compensated for through an NRCS-approved mitigation plan.
MW	<u>Minimal Effect Exemption</u> : A converted wetland that is exempt from the wetland conservation provisions of the Food Security Act of 1985, as amended, based on an NRCS determination that the conversion has or will have a minimal effect, individually and cumulatively, on the functions and values of the wetland and the wetlands in the watershed.
MWM	<u>Mitigation Site</u> : The site of wetland restoration, enhancement, or creation serving as mitigation for the mitigation exemption (MIW) site.
NI	<u>Not Inventoried</u> : An area where no wetland determination has been conducted. Label not used for certified wetland determinations completed after 2/2008.
NW	<u>Non-Wetland</u> : An area that does not contain a wetland. Also includes wetlands converted before December 23, 1985, but a commodity crop was not produced and the area does not meet wetland criteria (not been abandoned).
PC	<u>Prior- Converted Cropland</u> : A wetland converted to cropland before December 23, 1985, and as of December 23, 1985, was capable of being cropped and did not meet farmed wetland hydrology criteria. These areas are not subject to the wetland conservation provisions of the Food Security Act of 1985, as amended, unless further drainage manipulation affects adjacent wetlands.
PC/NW	<u>Prior Converted Cropland/Non-Wetland</u> : An area that contains both PC and NW.
TP	<u>Third-Party Exemption</u> : A wetland converted after December 23, 1985, by a third party who is not associated with the participant, and the conversions not a result of a scheme or device. A third party does not include predecessors in interest on the tract, drainage districts, or other local government entities.
W	<u>Wetland</u> : An area meeting wetland criteria that was not converted after December 23, 1985. These areas include farmed wetlands and farmed wetland pasture that have been abandoned.
WX	<u>Manipulated Wetlands</u> : A wetland manipulated after December 23, 1985, but the manipulation was not for the purpose of making production possible and production was not made possible. These areas include wetlands manipulated by drainage maintenance agreements.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Assistant Secretary for Civil Rights, 1400 Independence Avenue, S.W., Stop 9410, Washington, DC 20250-9410, or call toll-free at (866) 632-9992 (English) or (800) 877-8339 (TDD) or (866) 377-8642 (English Federal-relay) or (800) 845-6136 (Spanish Federal-relay). USDA is an equal opportunity provider and employer.

# HEL Determination Map

Land Owner: Adelaide Petersen Trust  
Tract & Farm #: T6785 F3716  
Legal Description: T97N R11W Sec 28  
Certification Office: New\_Hampton\_FO

Certified By: Ben Kuennen  
Map Creation Date: 2/6/2020  
Determination County: Chickasaw



1:4,500

Agency: USDA-NRCS



## Legend

### HEL designation

HEL

NHEL

No determination

Highly Erodible Codes

HEL Highly Erodible Land

NHEL Non Highly Erodible Land



This Determination is valid for the colored cross hatched areas.

AD-1026  
(10-30-14)

Randy Vaala OP  
3050 North St  
Lawler IA 50154

U.S. DEPARTMENT OF AGRICULTURE  
FarmServiceAgency

GW Kendall Miller  
PO Box 3  
Edgewater FL 32132

**HIGHLY ERODIBLE LAND CONSERVATION (HEL) AND WETLAND CONSERVATION (WC) CERTIFICATION**

Read attached AD-1026 Appendix before completing form.

**PART A - BASIC INFORMATION**

1. Name of Producer <u>Randy Vaala</u>	2. Tax Identification Number (Last 4 digits) <u>2946</u>	3. Crop Year <u>2020</u>
4. Names of affiliated persons with farming interests. Enter "None," if applicable. <u>None</u>		

Affiliated persons with farming interests must also file an AD-1026. See Item 7 in the Appendix for a definition of an affiliated person.

5. Check one of these boxes if the statement applies; otherwise continue to Part B.

A.  The producer in Part A does not have interest in land devoted to agriculture. Examples include bee keepers who place their hives on another person's land, producers of crops grown in greenhouses, and producers of aquaculture AND these producers do not own/lease any agricultural land themselves. **Note:** Do not check this box if the producer shares in a crop.

B.  The producer in Part A meets all three of the following:

- does not participate in any USDA program that is subject to HELC and WC compliance except Federal Crop Insurance.
- only has interest in land devoted to agriculture which is exclusively used for perennial crops, except sugarcane, and
- has not converted a wetland after February 7, 2014.

Perennial crops include, but are not limited to, tree fruit, tree nuts, grapes, olives, native pasture and perennial forage. A producer that produces alfalfa should contact the Natural Resources Conservation Service at the nearest USDA Service Center to determine whether such production qualifies as production of a perennial crop.

**Note:** If either box is checked, and the producer in Part A does not participate in Farm Service Agency (FSA) or Natural Resources Conservation Service (NRCS) programs, the full tax identification number of the producer must be provided, but establishment of detailed farm records with FSA is not required. Go to Part D and sign and date.

**PART B - HELC/WC COMPLIANCE QUESTIONS**

Indicate YES or NO to each question. If you are unsure of whether a HEL determination, wetland determination, or NRCS evaluation has been completed, contact your local USDA Service Center.	YES	NO
6. During the crop year entered in Part A or the term of a requested USDA loan, did or will the producer in Part A plant or produce an agricultural commodity (including sugarcane) on land for which an HEL determination has not been made?	X	
7. Has anyone performed (since December 23, 1985), or will anyone perform any activities to:		
A. Create new drainage systems, conduct land leveling, filling, dredging, land clearing, or excavation that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____		X
B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____		X
C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____ <b>Note:</b> Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will realize lower maintenance or costs.		X
<b>Note:</b> If "YES" is checked for Item 7A or 7B, then Part C must be completed to authorize NRCS to make an HELC/WC and/or certified wetland determination on the identified land. If "YES" is checked for Item 7C, NRCS does not have to conduct a certified wetland determination.		

8. Check one or both boxes, if applicable; otherwise, continue to Part C or D.

A.  Check this box only if the producer in Part A has FCIC reinsured crop insurance and filing this form represents the first time the producer in Part A, including any affiliated person, has been subject to HELC and WC provisions.

B.  Check this box if either of the following applies to the producer and crop year entered in Part A:

- Is a tenant on a farm that is/will not be in compliance with HELC and WC provisions because the landlord refuses to allow compliance, but all other farms not associated with that landlord are in compliance. (AD-1026B, Tenant Exemption Request, must be completed).
- Is a landlord of a farm that is/will not be in compliance with HELC and WC provisions because of a violation by the tenant on that farm, but all other farms not associated with that tenant are in compliance. (AD-1026C, Landlord or Landowner Exemption Request, must be completed).

**PART C - ADDITIONAL INFORMATION**

9. If "YES" was checked in Item 6 or 7, provide the following information for the land to which the answer applies:

A. Farm and/or tract/field number: F 3216 T 685 Fields 3, 4, 5  
If unknown, contact the Farm Service Agency at the nearest USDA Service Center.

B. Activity: Hel Determination

C. Current land use (specify crops): Corn

D. County: Chickasaw

Peter Trust



**PART D – CERTIFICATION OF COMPLIANCE**

I have received and read the AD-1026 Appendix and understand and agree to the terms and conditions therein on all land in which I (or the producer in Part A if different) and any affiliated person have or will have an interest. I understand that eligibility for certain USDA program benefits is contingent upon this certification of compliance with HELC and WC provisions and I am responsible for any non-compliance. I understand and agree that this certification of compliance is considered continuous and will remain in effect unless revoked or a violation is determined. I further understand and agree that:

- all applicable payments must be refunded if a determination of ineligibility is made for a violation of HELC or WC provisions.
- NRCS may verify whether a HELC violation or WC has occurred.
- a revised Form AD-1026 must be filed if there are any operation changes or activities that may affect compliance with the HELC and WC provisions. I understand that failure to revise Form AD-1026 for such changes may result in ineligibility for certain USDA program benefits or other consequences.
- affiliated persons are also subject to compliance with HELC and WC provisions and their failure to comply or file Form AD-1026 will result in loss of eligibility for applicable benefits to any individuals or entities with whom they are considered affiliated.

**Producer's Certification:**

*I hereby certify that the information on this form is true and correct to the best of my knowledge.*

10A. Producer's Signature (By) <i>Randall J. Vaala</i>	10B. Title/Relationship (If Signing in Representative Capacity)	10C. Date (MM-DD-YYYY) <i>10-10-19</i>
FOR FSA USE ONLY (for referral to NRCS) Sign and date if NRCS determination is needed.	11A. Signature of FSA Representative <i>Sam Kuhler</i>	11B. Date (MM-DD-YYYY) <i>10-10-19</i>

**IMPORTANT:** If you are unsure about the applicability of HELC and WC provisions to your land, contact your local USDA Service Center for details concerning the location of any highly erodible land or wetland and any restrictions applying to your land according to NRCS determinations before planting an agricultural commodity or performing any drainage or manipulation. Failure to certify and properly revise your compliance certification when applicable may: (1) affect your eligibility for USDA program benefits, including whether you qualify for reinstatement of benefits through the Good Faith process; and (2) result in other consequences.

**NOTE:** The following statement is made in accordance with the Privacy Act of 1974 (5 USC 552a - as amended). The authority for requesting the information identified on this form is 7 CFR Part 12, the Food Security Act of 1985 (Pub. L. 99-198), and the Agricultural Act of 2014 (Pub. L. 113-79). The information will be used to certify compliance with HELC and WC provisions and to determine producer eligibility to participate in and receive benefits under programs administered by USDA agencies. The information collected on this form may be disclosed to other Federal, State, Local government agencies, Tribal agencies, and nongovernmental entities that have been authorized access to the information by statute or regulation and/or as described in applicable Routine Uses identified in the System of Records Notice for USDA/FSA-2, Farm Records File (Automated) and USDA/FSA-14, Applicant/Borrower. Providing the requested information is voluntary. However, failure to furnish the requested information will result in a determination of producer ineligibility to participate in and receive benefits under programs administered by USDA agencies.

This information collection is exempted from the Paperwork Reduction Act as specified in the Agricultural Act of 2014 (Pub. L. 113-79, Title II, Subtitle G, Funding and Administration). The provisions of appropriate criminal and civil fraud, privacy, and other statutes may be applicable to the information provided. **RETURN THIS COMPLETED FORM AD-1026 TO YOUR COUNTY FARM SERVICE AGENCY (FSA) OFFICE.**

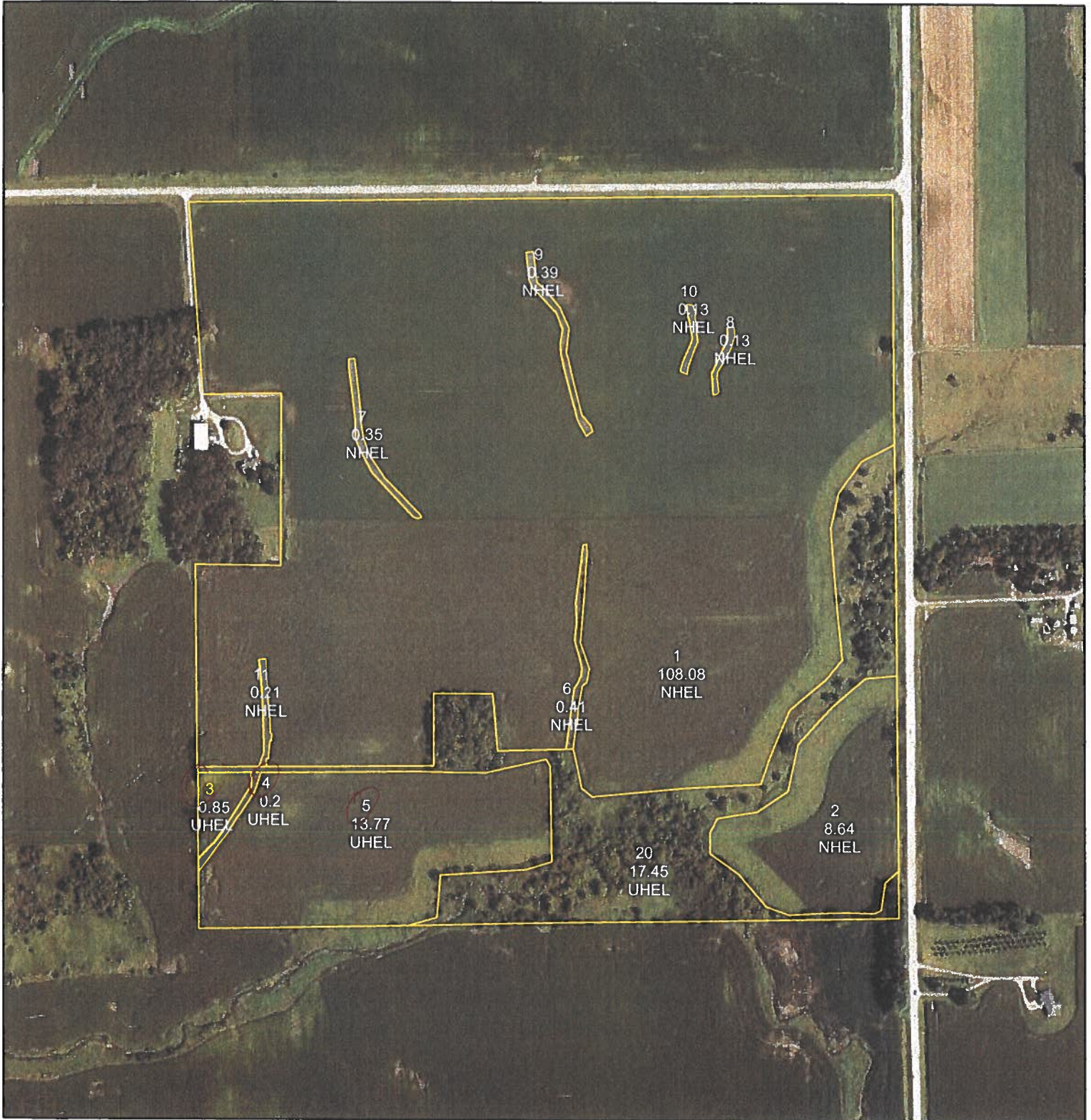
The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited basis will apply to all programs and/or employment activities.) Persons with disabilities, who wish to file a program complaint, write to the address below or if you require alternative means of communication for program information (e.g., Braille, large print, audiotape, etc.) please contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). Individuals who are deaf, hard of hearing, or have speech disabilities and wish to file either an EEO or program complaint, please contact USDA through the Federal Relay Service at (800) 877-8339 or (800) 845-6136 (in Spanish).

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, found online at [http://www.ascr.usda.gov/complaint\\_filing\\_cust.html](http://www.ascr.usda.gov/complaint_filing_cust.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter by mail to U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov). USDA is an equal opportunity provider and employer.



Farm# 3716  
 Tract# 6785

Section: 28  
 Twp: N. Utica



CHICKASAW COUNTY FSA  
 Map Printed: October 10, 2019

1 inch = 500 feet

**Legend**

Field Boundary

**Wetland Determination**

**Wetland Determination Identifiers**

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions



\*Disclaimer: United States Department of Agriculture(USDA )Farm Service Agency(FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership, rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program(NAIP) imagery. The producer accepts the data 'as is and assumes all risk associated with its use. USDA/FSA assumes no responsibility for actual or consequential damaged incurred as a result of any user's reliance on this data outside FSA programs. Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS)





Natural Resources Conservation Service  
420 W Milwaukee Street  
New Hampton, Iowa 50659

**CERTIFIED MAIL--RETURN RECEIPT REQUESTED**

February 24, 2016

Randall Vaala  
3050 110<sup>th</sup> Street  
Lawler, Iowa 52154

Dear Randall:

Based upon your recent request for a Certified Wetland Determination, this letter is to notify you that a preliminary wetland determination has been completed for your Farm #3716, Tract #6785, Chickasaw County, Iowa. This determination was completed in accordance with the National Food Security Act Manual Wetland Identification procedures; title 7 Part 12 of the Code of Federal Regulations and title 7 part 12.5(b) of the Code of Federal Regulations. See the enclosed NRCS-CPA-026 "*Highly Erodible Land and Wetland Conservation Determination*" form for definitions and aerial photo for locations.

The **Preliminary Technical Determination** is: There are wetland(s) or wetland(s) types as listed on the attached form. If you did not request a wetland determination for your entire farm, wetlands may exist in other locations.

The area(s) designated as wetlands are wetlands because:

- Has a predominance of hydric soils,
- Is inundated or saturated by surface or groundwater at a frequency and duration sufficient to support a prevalence of hydrophytic vegetation typically adapted for life in saturated soil conditions, and
- Under normal circumstances does support a prevalence of such vegetation.

For those sites that are labeled as Farmed Wetland (FW) or Farmed Wetland Pasture (FWP): manipulation has occurred prior to December 23, 1985. See the wetland definitions on the NRCS-CPA-026.

This preliminary determination will become final 30 days after receipt of this letter unless you request one of the following options in writing:

- 1) A reconsideration and field visit. During the field visit we will review the basis for our determination, answer any questions you have regarding this preliminary determination, and offer an opportunity for you to provide additional information regarding this determination.
- 2) Request mediation by contacting the Iowa Mediation Service at the address below. Mediation may be used in an attempt to settle your concerns with the preliminary wetland determination.

Iowa Mediation Service  
1441 29th Street, Suite 120  
West Des Moines, IA 50266  
(515) 331-8081

*Helping People Help the Land*

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, on the front if space permits.</li> </ul> <p>Article Addressed to:</p> <p>Randall Vaala            1050 110th Street            Hawley, Iowa 52154</p>	<p>A. Signature  <input checked="" type="checkbox"/> <i>Randall Vaala</i> <input type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)  <i>Randall Vaala</i></p> <p>C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes            If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>Article Number (Transfer from service label)            7015 1520 0001 7396 1600</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®  <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™  <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Certified Mail Restricted Delivery <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™  <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery  <input type="checkbox"/> Mail Restricted Delivery</p>
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053 <span style="float: right;">Domestic Return Receipt</span></p>	

0001 9662 1000 0251 5102

U.S. Postal Service™ <b>CERTIFIED MAIL® RECEIPT</b> Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
<h1 style="color: lightblue; opacity: 0.5;">OFFICIAL USE</h1>	
<p>Certified Mail Fee \$</p> <p>Extra Services &amp; Fees (check box, add fee as appropriate)</p> <p><input type="checkbox"/> Return Receipt (hardcopy) \$ _____</p> <p><input type="checkbox"/> Return Receipt (electronic) \$ _____</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery \$ _____</p> <p><input type="checkbox"/> Adult Signature Required \$ _____</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery \$ _____</p> <p>Postage \$</p> <p><b>Total Postage and Fees</b> \$</p>	<p>Postmark Here</p>
<p>Sent To <i>Randall Vaala +6785</i></p> <p>Street and Apt. No., or PO Box No.</p> <p>City, State, ZIP+4®</p>	
<p>PS Form 3800, April 2015 PSN 7530-02-000-9047 <span style="float: right;">See Reverse for Instructions</span></p>	

If you choose to use mediation, the Natural Resources Conservation Service (NRCS) will pay up to one-half of the costs that are appropriate and reasonable which are associated with securing the services of a trained mediator when the services are provided on other than a voluntary basis. The NRCS will have final discretion over what is considered appropriate and reasonable.

- 3) You may waive your rights to mediation and a field review of the preliminary technical determination. This request must be in writing and addressed to Kurt Simon, State Conservationist, 210 Walnut Street, Room 693, Des Moines, IA 50309. In this case you will immediately be issued a final technical determination and appeal rights to National Appeals Division (NAD) and/or to the FSA County Committee.

After completion of the field visit if one is requested, or following the completion of mediation, a final technical determination will be issued. If you choose to take no action, the Preliminary Technical Determination will become the **Final Technical Determination** 30 days after receiving this notice. Once this determination becomes **Final**, you may appeal to the FSA County Committee, or to the National Appeals Division (NAD), at the addresses listed below within **60** calendar days from the date of receipt of this notice.

Chickasaw FSA County Committee  
420 W Milwaukee Street  
New Hampton, Iowa 50659

or

National Appeals Division  
Post Office Box 68806  
Indianapolis, IN 46268-0806

In order to maintain your eligibility for USDA program benefits, contact your local NRCS office prior to performing any land altering activities (tiling, land clearing, ditching, drainage maintenance, filling, leveling, removal of woody vegetation, or dredging,) in or adjacent to the identified Wetland (W), Farmed Wetland (FW), Farmed Wetland Pasture or Hayland (FWP), or Not Inventoried area(s).

This certified wetland determination/delineation has been conducted for the purpose of implementing the Food Security Act of 1985 as amended. This determination/delineation may not be valid for identifying the extent of the United States Army Corps of Engineers (COE) Clean Water Act jurisdiction for this site. If you intend to conduct any activity that constitutes a discharge of dredged or fill material into wetlands or other waters of the United States including lakes, rivers, intermittent or perennial streams, you should request a jurisdictional determination from the Rock Island District COE office prior to starting your work.

If you have any questions about this procedure or determination, please contact me at 641-394-2513. Also, if anyone else is associated with this farm; tenant, landlord, partner, I encourage you to discuss this determination with them.

Sincerely,



Ben Kuennen  
Wetland Specialist

Enclosures

Cc Chickasaw County FSA

*Helping People Help the Land*

An Equal Opportunity Provider, Employer and Lender



HIGHLY ERODIBLE LAND AND WETLAND CONSERVATION DETERMINATION

Form with fields for Name, Address, Request Date, County, Agency or Person, and FSA Farm No.

Section I - Highly Erodible Land

Two small tables with Yes/No questions about soil surveys and highly erodible soil map units.

Fields in this section have undergone a determination of whether they are highly erodible land (HEL) or not; fields for which an HEL Determination has not been completed are not listed.

Table with 5 columns: Field(s), HEL(Y/N), Sodbust(Y/N), Acres, Determination Date. Contains 3 rows of data.

The Highly Erodible Land determination was completed in the office.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status.

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD).





## \*DEFINITIONS OF WETLAND LABELS

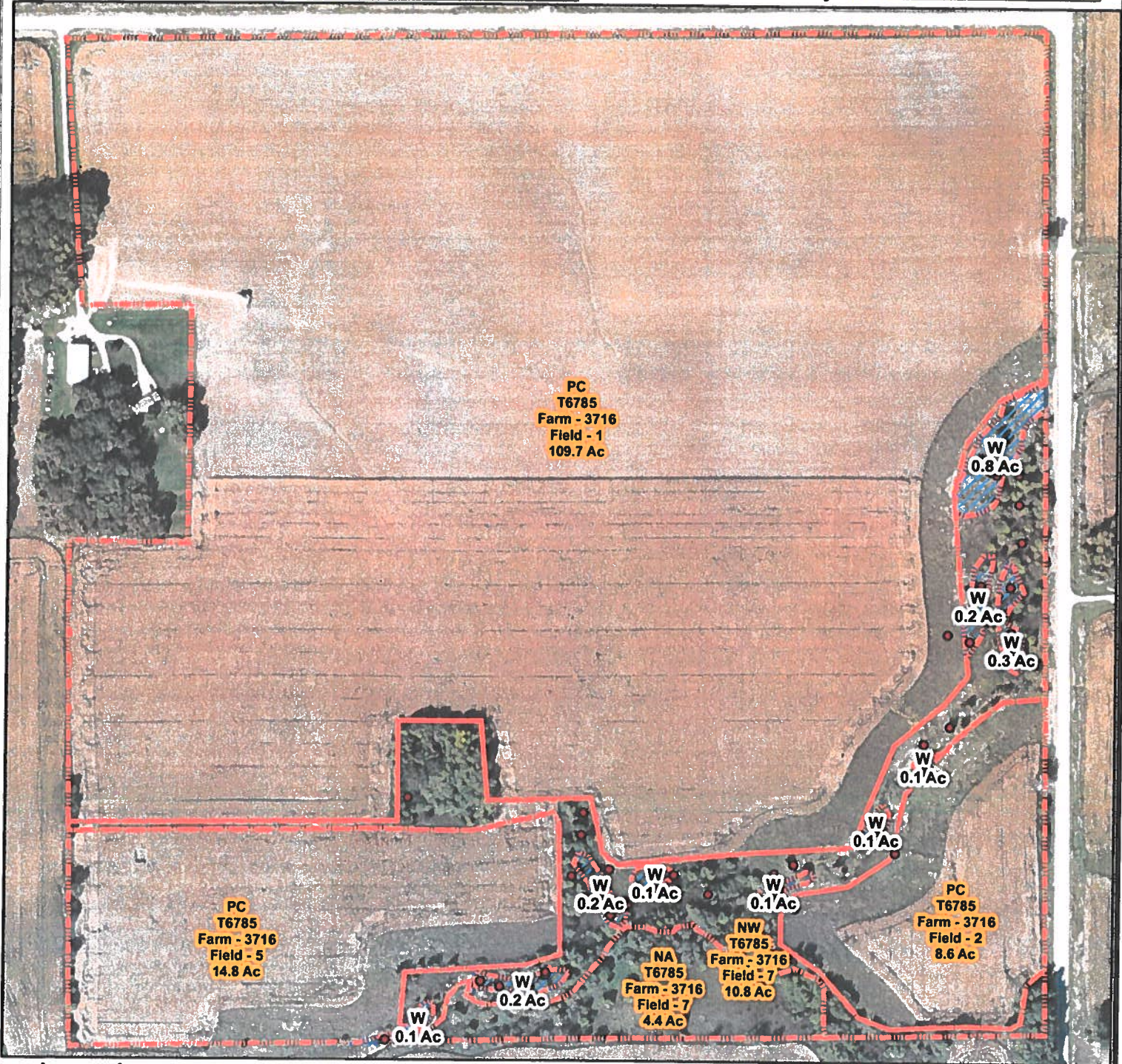
AW	<u>Artificial Wetland</u> : An area that was formerly a non-wetland area under natural conditions but now exhibits wetland characteristics because of the influence of human activities. These areas are exempt from the Food Security Act of 1985, as amended. This label includes irrigation induced wetlands.
CC	<u>Commenced Conversion</u> : A wetland, farmed wetland, farmed wetland pasture, or converted wetland on which the conversion began but was not completed before December 23, 1985, was approved by FSA to continue, and the conversion was completed by January 1, 1995.
CPD	<u>COE Permit with Mitigation</u> : A converted wetland authorized by a permit issued under Section 404 of the Clean Water Act. Production of agricultural commodities is allowed subject to conditions of the permit.
CMW	<u>Categorical Minimal Effect</u> : A wetland that meets specific categories of conversion activities that have been determined by NRCS to have minimal effect, individually and cumulatively, on the functions and values of the wetland and the wetlands in the watershed.
CW	<u>Converted Wetland</u> : A wetland converted between December 23, 1985, and November 28, 1990. Production of an agricultural commodity or additional manipulation of these areas will yield USDA benefit ineligibility. Also, these areas are wetlands converted after December 23, 1985, by a county, drainage district, or similar entity. For these instances, production of an agricultural commodity or forage for mechanical harvest or additional manipulation will cause ineligibility for USDA program benefits.
CW+year	<u>Converted Wetland + (year the conversion occurred)</u> : A wetland converted after November 28, 1990, where the USDA program participant is ineligible for benefits until the wetland is restored or mitigated unless an exemption applies.
CWNA	<u>Converted Wetland Non-Agricultural Use</u> : A wetland converted after November 28, 1990, to a use other than agricultural commodity production. Label not used for certified wetland determinations completed after 2/2008.
CWTE	<u>Converted Wetland Technical Error</u> : A wetland converted or commenced after December 23, 1985, based on an incorrect NRCS determination. This label does not apply to obvious wetlands as defined in the National Food Security Act Manual.
FW	<u>Farmed Wetland</u> : A wetland that was manipulated and planted before December 23, 1985, but still meets inundation or saturation criteria. These areas may be farmed and maintained as documented before December 23, 1985, as long as they are not abandoned (i.e., management or maintenance for commodity production ceased for 5 consecutive years).
FWP	<u>Farmed Wetland Pasture or Hayland</u> : A wetland that is used for pasture or haying, was manipulated and planted before December 23, 1985, but still meets the inundation or saturation criteria. These areas may be farmed and maintained as documented before December 23, 1985, as long as they are not abandoned (i.e., management or maintenance for commodity production ceased for 5 consecutive years).
MIW	<u>Mitigation Exemption</u> : A converted wetland, farmed wetland or farmed wetland pasture of which the acreage, functions and values lost have been compensated for through an NRCS-approved mitigation plan.
MW	<u>Minimal Effect Exemption</u> : A converted wetland that is exempt from the wetland conservation provisions of the Food Security Act of 1985, as amended, based on an NRCS determination that the conversion has or will have a minimal effect, individually and cumulatively, on the functions and values of the wetland and the wetlands in the watershed.
MWM	<u>Mitigation Site</u> : The site of wetland restoration, enhancement, or creation serving as mitigation for the mitigation exemption (MIW) site.
NI	<u>Not Inventoried</u> : An area where no wetland determination has been conducted. Label not used for certified wetland determinations completed after 2/2008.
NW	<u>Non-Wetland</u> : An area that does not contain a wetland. Also includes wetlands converted before December 23, 1985, but a commodity crop was not produced and the area does not meet wetland criteria (not been abandoned).
PC	<u>Prior-Converted Cropland</u> : A wetland converted to cropland before December 23, 1985, and as of December 23, 1985, was capable of being cropped and did not meet farmed wetland hydrology criteria. These areas are not subject to the wetland conservation provisions of the Food Security Act of 1985, as amended, unless further drainage manipulation affects adjacent wetlands.
PC/NW	<u>Prior Converted Cropland/Non-Wetland</u> : An area that contains both PC and NW.
TP	<u>Third-Party Exemption</u> : A wetland converted after December 23, 1985, by a third party who is not associated with the participant, and the conversion is not a result of a scheme or device. A third party does not include predecessors in interest on the tract, drainage districts, or other local government entities.
W	<u>Wetland</u> : An area meeting wetland criteria that was not converted after December 23, 1985. These areas include farmed wetlands and farmed wetland pasture that have been abandoned.
WX	<u>Manipulated Wetlands</u> : A wetland manipulated after December 23, 1985, but the manipulation was not for the purpose of making production possible and production was not made possible. These areas include wetlands manipulated by drainage maintenance agreements.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotope, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Assistant Secretary for Civil Rights, 1400 Independence Avenue, S.W., Stop 9410, Washington, DC 20250-9410, or call toll-free at (866) 632-9992 (English) or (800) 877-8339 (TDD) or (866) 377-8642 (English Federal-relay) or (800) 845-6136 (Spanish Federal-relay). USDA is an equal opportunity provider and employer.

# Certified Wetland Determination Map

**Land Owner:** Saude Farm Partnership  
**Tract & Farm #** T10455 F3716  
**Legal Description:** T. 97N., R.11W Sec 28  
**Certification Office:** New Hampton FO

**Certified By:** Ben Kuennen  
**Map Creation Date:** 2/23/2016  
**Determination County:** Chickasaw



## Legend

- Certified Wetland Determination Boundary
- Wetlands
- Surface Drain
- Berm/Dike
- Subsurface Drain
- Boundary Point
- Data Form Point
- Picture Point

1:4,500



Agency: USDA-NRCS

### Wetland Codes

W	Wetland	FWP	Farmed Wetland Pasture
CW	Converted Wetland	MIW	Mitigation Exemption
CW+yr	Converted After 1990	NW	Non Wetland
FW	Farmed Wetland	PC	Prior Converted Cropland
AW	Artificial Wetland		



This Determination is valid for the area within the Dashed Red Line (Determination Boundary)

# Certified Wetland Determination Map

**Land Owner:** Randy Valla  
**Tract & Farm #** T10455 F5830  
**Legal Description:** T. 98N., R.11W  
**Certification Office:** New Hampton FO

**Certified By:** Ben Kuennen  
**Map Creation Date:** 10/1/2015  
**Determination County:** Howard



## Legend

- Certified Wetland Determination Boundary
- Wetlands
- Surface Drain
- Berm/Dike
- Subsurface Drain
- Boundary Point
- Data Form Point
- Picture Point



Agency: USDA-NRCS

Wetland Codes	
W	Wetland
CW	Converted Wetland
CW+yr	Converted After 1990
FW	Farmed Wetland
AW	Artificial Wetland
FWP	Farmed Wetland Pasture
MIW	Mitigation Exemption
NW	Non Wetland
PC	Prior Converted Cropland



This Determination is valid for the area within the Dashed Red Line (Determination Boundary)

319-40-5045

U.S. DEPARTMENT OF AGRICULTURE  
Farm Service Agency

to NRCS  
4-6-15

HIGHLY ERODIBLE LAND CONSERVATION (HEL) AND  
WETLAND CONSERVATION (WC) CERTIFICATION

Read attached AD-1026 Appendix before completing form.

PART A - BASIC INFORMATION

1. Name of Producer <u>Randy Vaala</u>	2. Tax Identification Number (Last 4 digits) <u>29-14</u>	3. Crop Year <u>2015</u>
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4. Names of affiliated persons with farming interests. Enter "None," if applicable.

Affiliated persons with farming interests must also file an AD-1026. See Item 7 in the Appendix for a definition of an affiliated person.

5. Check one of these boxes if the statement applies; otherwise continue to Part B.

A.  The producer in Part A does not have interest in land devoted to agriculture. Examples include bee keepers who place their hives on another person's land, producers of crops grown in greenhouses, and producers of aquaculture AND these producers do not own/lease any agricultural land themselves. Note: Do not check this box if the producer shares in a crop.

B.  The producer in Part A meets all three of the following:  

- does not participate in any USDA program that is subject to HELC and WC compliance except Federal Crop Insurance.
- only has interest in land devoted to agriculture which is exclusively used for perennial crops, except sugarcane, and
- has not converted a wetland after February 7, 2014.

Perennial crops include, but are not limited to, tree fruit, tree nuts, grapes, olives, native pasture and perennial forage. A producer that produces alfalfa should contact the Natural Resources Conservation Service at the nearest USDA Service Center to determine whether such production qualifies as production of a perennial crop.

Note: If either box is checked, and the producer in Part A does not participate in Farm Service Agency (FSA) or Natural Resources Conservation Service (NRCS) programs, the full tax identification number of the producer must be provided, but establishment of detailed farm records with FSA is not required. Go to Part D and sign and date.

PART B - HELC/WC COMPLIANCE QUESTIONS

Indicate YES or NO to each question.  
If you are unsure of whether a HEL determination, wetland determination, or NRCS evaluation has been completed, contact your local USDA Service Center.

	YES	NO
6. During the crop year entered in Part A or the term of a requested USDA loan, did or will the producer in Part A plant or produce an agricultural commodity (including sugarcane) on land for which an HEL determination has not been made?		

7. Has anyone performed (since December 23, 1985), or will anyone perform any activities to:		
A. Create new drainage systems, conduct land leveling, filling, dredging, land clearing, or excavation that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____		

B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____	✓	
---	---	--

C. Maintain an existing drainage system that has NOT been evaluated by NRCS? If "YES", indicate the year(s): _____ Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will realize lower maintenance or costs.	✓	
---	---	--

Note: If "YES" is checked for Item 7A or 7B, then Part C must be completed to authorize NRCS to make an HELC/WC and/or certified wetland determination on the identified land. If "YES" is checked for Item 7C, NRCS does not have to conduct a certified wetland determination.

8. Check one or both boxes, if applicable; otherwise, continue to Part C or D.

A.  Check this box only if the producer in Part A has FCIC reinsured crop insurance and filing this form represents the first time the producer in Part A, including any affiliated person, has been subject to HELC and WC provisions.

B.  Check this box if either of the following applies to the producer and crop year entered in Part A:  

- Is a tenant on a farm that is/will not be in compliance with HELC and WC provisions because the landlord refuses to allow compliance, but all other farms not associated with that landlord are in compliance. (AD-1026B, Tenant Exemption Request, must be completed).
- Is a landlord of a farm that is/will not be in compliance with HELC and WC provisions because of a violation by the tenant on that farm, but all other farms not associated with that tenant are in compliance. (AD-1026C, Landlord or Landowner Exemption Request, must be completed).

PART C - ADDITIONAL INFORMATION

9. If "YES" was checked in Item 6 or 7, provide the following information for the land to which the answer applies:

A. Farm and/or tract/field number: <u>FH 3716 T 6785</u> If unknown, contact the Farm Service Agency at the nearest USDA Service Center.
B. Activity: <u>CRP - outlet repair / add to existing tile</u>
C. Current land use (specify crops): <u><del>beans</del> beans</u>
D. County: <u>Chickasaw</u>

**PART D – CERTIFICATION OF COMPLIANCE**

I have received and read the AD-1026 Appendix and understand and agree to the terms and conditions therein on all land in which I (or the producer in Part A if different) and any affiliated person have or will have an interest. I understand that eligibility for certain USDA program benefits is contingent upon this certification of compliance with HELC and WC provisions and I am responsible for any non-compliance. I understand and agree that this certification of compliance is considered continuous and will remain in effect unless revoked or a violation is determined. I further understand and agree that:

- all applicable payments must be refunded if a determination of ineligibility is made for a violation of HELC or WC provisions.
- NRCS may verify whether a HELC violation or WC has occurred.
- a revised Form AD-1026 must be filed if there are any operation changes or activities that may affect compliance with the HELC and WC provisions. I understand that failure to revise Form AD-1026 for such changes may result in ineligibility for certain USDA program benefits or other consequences.
- affiliated persons are also subject to compliance with HELC and WC provisions and their failure to comply or file Form AD-1026 will result in loss of eligibility for applicable benefits to any individuals or entities with whom they are considered affiliated.

**Producer's Certification:**

I hereby certify that the information on this form is true and correct to the best of my knowledge.

10A. Producer's Signature (By) <i>Randall J Vaala</i>	10B. Title/Relationship (If Signing in Representative Capacity)	10C. Date (MM-DD-YYYY) <i>4-6-2015</i>
<b>FOR FSA USE ONLY</b> (for referral to NRCS) Sign and date if NRCS determination is needed.	11A. Signature of FSA Representative <i>Lucy Leigh</i>	11B. Date (MM-DD-YYYY) <i>4-6-15</i>

**IMPORTANT:** If you are unsure about the applicability of HELC and WC provisions to your land, contact your local USDA Service Center for details concerning the location of any highly erodible land or wetland and any restrictions applying to your land according to NRCS determinations before planting an agricultural commodity or performing any drainage or manipulation. Failure to certify and properly revise your compliance certification when applicable may: (1) affect your eligibility for USDA program benefits, including whether you qualify for reinstatement of benefits through the Good Faith process; and (2) result in other consequences.

**NOTE:** The following statement is made in accordance with the Privacy Act of 1974 (5 USC 552a - as amended). The authority for requesting the information identified on this form is 7 CFR Part 12, the Food Security Act of 1985 (Pub. L. 99-198), and the Agricultural Act of 2014 (Pub. L. 113-79). The information will be used to certify compliance with HELC and WC provisions and to determine producer eligibility to participate in and receive benefits under programs administered by USDA agencies. The information collected on this form may be disclosed to other Federal, State, Local government agencies, Tribal agencies, and nongovernmental entities that have been authorized access to the information by statute or regulation and/or as described in applicable Routine Uses identified in the System of Records Notice for USDA/FSA-2, Farm Records File (Automated) and USDA/FSA-14, Applicant/Borrower. Providing the requested information is voluntary. However, failure to furnish the requested information will result in a determination of producer ineligibility to participate in and receive benefits under programs administered by USDA agencies.

This information collection is exempted from the Paperwork Reduction Act as specified in the Agricultural Act of 2014 (Pub. L. 113-79, Title II, Subtitle G, Funding and Administration). The provisions of appropriate criminal and civil fraud, privacy, and other statutes may be applicable to the information provided. **RETURN THIS COMPLETED FORM AD-1026 TO YOUR COUNTY FARM SERVICE AGENCY (FSA) OFFICE.**

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited basis will apply to all programs and/or employment activities.) Persons with disabilities, who wish to file a program complaint, write to the address below or if you require alternative means of communication for program information (e.g., Braille, large print, audiotape, etc.) please contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). Individuals who are deaf, hard of hearing, or have speech disabilities and wish to file either an EEO or program complaint, please contact USDA through the Federal Relay Service at (800) 877-8339 or (800) 845-6136 (in Spanish).

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, found online at [http://www.ascr.usda.gov/complaint\\_filing\\_cust.html](http://www.ascr.usda.gov/complaint_filing_cust.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter by mail to U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov). USDA is an equal opportunity provider and employer.

**APPENDIX TO FORM AD-1026  
HIGHLY ERODIBLE LAND CONSERVATION (HELIC) AND  
WETLAND CONSERVATION (WC) CERTIFICATION**

**1. Overview**

The following conditions of eligibility are required for a producer to receive any U.S. Department of Agriculture (USDA) loans or other program benefits that are subject to the highly erodible land conservation (HELIC) and wetland conservation (WC) provisions. Unless an exemption has been granted by USDA, the producer agrees to all of the following on all farms in which the producer, and any affiliated person to the producer (as specified in 7 CFR Part 12), has an interest:

- **NOT** to plant or produce an agricultural commodity on highly erodible land or fields unless being farmed in accordance with a conservation plan or system approved by the Natural Resources Conservation Service.
- **NOT** to plant or produce an agricultural commodity on a wetland that was converted after December 23, 1985.
- **NOT** to have converted a wetland after November 28, 1990, for the purpose, or to have the effect, of making the production of an agricultural commodity possible on such converted wetland.
- **NOT** to convert a wetland by draining, dredging, filling, leveling, removing woody vegetation, or any other activity that results in impairing or reducing the flow and circulation of water in a way that would allow the planting of an agricultural commodity.
- **NOT** to use proceeds from any Farm Service Agency farm loan, insured or guaranteed, or any USDA financial assistance program, in such a way that might result in negative impacts to a wetland, except for those projects evaluated and approved by Natural Resources Conservation Service.

**2. Statutory and Regulatory Authority**

The Food Security Act of 1985, as amended, requires producers participating in most programs administered by the Farm Service Agency (FSA), Natural Resources Conservation Service (NRCS), and the Risk Management Agency (RMA) to comply with HELIC and WC provisions on all land owned or farmed that is considered highly erodible or a wetland unless USDA determines an exemption applies. Producers participating in these programs, and any individual or entity considered to be an affiliated person of a participating producer, are subject to these provisions. The regulations covering these provisions are set forth at 7 CFR Part 12; all such provisions, whether or not explicitly stated herein, shall apply.

**3. Explanation of Terms**

Agricultural commodity is any crop planted and produced by annual tilling of the soil, including tilling by one-trip planters, or sugarcane.

Highly erodible land is any land that has an erodibility index of 8 or more.

Highly erodible fields are fields where either:

- 33.33 percent or more of the total field acreage is identified as soil map units that are highly erodible; or
- 50 or more acres in such field are identified as soil map units that are highly erodible.

Perennial crop is any crop that is planted once and produces crops over multiple years. Go to [www.nrcs.usda.gov/compliance](http://www.nrcs.usda.gov/compliance) for a list of perennial and annual crops.

Wetland is an area that:

- has a predominance of hydric soils (wet soils);
- is inundated or saturated by surface or groundwater (hydrology) at a frequency and duration sufficient to support a prevalence of hydrophytic (water tolerant) vegetation typically adapted for life in saturated soil conditions; and
- under normal circumstances supports a prevalence of such vegetation, except that this term does not include lands in Alaska identified as having a high potential for agricultural development and a predominance of permafrost soils.

#### 4. NRCS and FSA Determinations

When making HELC and WC compliance determinations:

- NRCS makes technical determinations; these include:
  - For HELC compliance:
    - whether land is considered highly erodible;
    - establishing conservation plans or systems; and
    - whether highly erodible fields are being farmed in accordance with a conservation plan or system approved by NRCS.
  - For WC compliance:
    - whether land is a wetland and if certain technical exemptions apply, such as prior converted;
    - whether a wetland conversion has occurred.
- FSA's responsibilities include:
  - making eligibility determinations, such as who is ineligible based upon NRCS technical determinations of non-compliance.
  - acting on requests for application of certain eligibility exemptions, such as the good faith relief exemption.
  - maintaining the official USDA records of highly erodible land and wetland determinations. The determinations are recorded both within the geographic information system and the automated farm and tract records maintained by FSA; however, it is important to know that determinations may not include all of a producer's land. If a producer is uncertain of the highly erodible land and wetland determinations applicable to any of the producer's land, the producer should contact the appropriate USDA Service Center for assistance.

#### 5. HELC and WC Non-Compliance - FSA and NRCS Programs

Producers who are not in compliance with HELC and WC provisions are not eligible to receive benefits for most programs administered by FSA and NRCS. If a producer received program benefits and is later found to be non-compliant, the producer may be required to refund all benefits received and/or may be assessed a penalty.

In particular, unless exemptions apply, a producer participating in FSA and NRCS programs must: not plant or produce an agricultural commodity on a highly erodible field unless such production is in compliance with a conservation plan or system approved by NRCS; not have planted or produced an agricultural commodity on a wetland converted after December 23, 1985; and, after November 28, 1990, must not have converted a wetland for the purpose, or to have the effect, of making the production of an agricultural commodity possible on such converted wetland.

A producer who violates HELC or WC provisions is ineligible for applicable FSA and NRCS benefits for the year(s) in violation. A planting violation, whether on highly erodible land or a converted wetland, results in ineligibility for benefits for the year(s) when the planting occurred. A wetland conversion violation results in ineligibility beginning with the year in which the conversion occurred and continuing for subsequent years, unless the converted wetland is restored or mitigated before January 1<sup>st</sup> of the subsequent year.

#### 6. HELC and WC Non-Compliance - Risk Management Agency - Crop Insurance Policies Reinsured by the Federal Crop Insurance Corporation

Producers obtaining federally reinsured crop insurance will not be eligible for any premium subsidy paid by the Federal Crop Insurance Corporation (FCIC) for any policy or plan of insurance if the producer:

- has not filed a completed Form AD-1026 with FSA certifying compliance with HELC and WC provisions; or
- is not in compliance with HELC and WC provisions.

Unless an exemption applies, a producer must:

- not plant or produce an agricultural commodity on a highly erodible field, unless such production is in compliance with a conservation plan approved by NRCS;
- not plant or produce an agricultural commodity on a wetland converted after February 7, 2014; and
- not have converted a wetland for the purpose, or to have the effect, of making the production of an agricultural commodity possible on such converted wetland after February 7, 2014.

A producer is ineligible for any premium subsidy paid by FCIC on all policies and plans of insurance for the reinsurance year (July 1 – June 30) following the reinsurance year of a final determination of a violation of HELC or WC provisions, including all administrative appeals, unless specific exemptions apply. Further, a producer will be ineligible for any premium subsidy paid by FCIC on all policies and plans of insurance for a reinsurance year if they do not have a completed Form AD-1026 on file with FSA certifying compliance on or before the June 1 prior to the beginning of the subsequent reinsurance year (July 1), unless otherwise exempted. RMA will contact FSA to determine compliance with HELC and WC provisions and the filing of Form AD-1026 prior to the beginning of a reinsurance year, which begins on July 1. If the producer is not in compliance and is not exempt, the producer will be ineligible for premium subsidy for all crops with a sales closing date between the following July 1 through the next June 30.

**7. Affiliated Persons**

Any affiliated person of a producer requesting benefits subject to HELC and WC provisions must also be in compliance with those provisions. Ineligibility of a producer will also apply to affiliated persons of that producer. If an affiliated person has a farming interest (as owner, operator, or other producer on any farm), the affiliated person must also file Form AD-1026 certifying compliance with HELC and WC provisions in order for the producer requesting benefits to be eligible.

**Use this table to determine affiliated persons who must be in compliance with HELC and WC provisions and file Form AD-1026. If you are unsure about an affiliated person determination, please contact FSA at your local USDA Service Center for assistance.**

<b>IF the producer requesting benefits is a (an) . . .</b>	<b>THEN affiliated persons with farming interests who must be in compliance with HELC and WC provisions and file Form AD-1026 are. . .</b>
individual  <b>NOTE:</b> For a minor, parents or guardians shall be listed as affiliated persons.	spouses or minor children with separate farming interests, or who receive benefits under their individual ID number. estates, trusts, partnerships, and joint ventures in which the individual filing, or the individual's spouse or minor children have an interest. corporations in which the individual filing or the individual's spouse or minor children have more than 20% interest.
general partnership limited partnership limited liability company joint venture estate irrevocable or revocable trust Indian tribal venture or group	first level members of the entity.
corporation with stockholders	first level shareholders with more than 20% interest in the corporation.  <b>Note:</b> First level shareholders of a corporation with 20% interest or less in the corporation are not considered affiliated persons of the corporation.

**IMPORTANT NOTICE:**

Signature on Form AD-1026 gives representatives of USDA authorization to enter upon and inspect all farms in which the producer in Part A of Form AD-1026 has an interest for the purpose of confirming HELC and WC compliance.

**NOTE:** *The following statement is made in accordance with the Privacy Act of 1974 (5 USC 552a - as amended). The authority for requesting the information identified on this form is 7 CFR Part 12, the Food Security Act of 1985 (Pub. L. 99-198), and the Agricultural Act of 2014 (Pub. L. 113-79). The information will be used to certify compliance with HELC and WC provisions and to determine producer eligibility to participate in and receive benefits under programs administered by USDA agencies. The information collected on this form may be disclosed to other Federal, State, Local government agencies, Tribal agencies, and nongovernmental entities that have been authorized access to the information by statute or regulation and/or as described in applicable Routine Uses identified in the System of Records Notice for USDA/FSA-2, Farm Records File (Automated) and USDA/FSA-14, Applicant/Borrower. Providing the requested information is voluntary. However, failure to furnish the requested information will result in a determination of producer ineligibility to participate in and receive benefits under programs administered by USDA agencies.*

*This information collection is exempted from the Paperwork Reduction Act as specified in the Agricultural Act of 2014 (Pub. L. 113-79, Title II, Subtitle G, Funding and Administration). The provisions of appropriate criminal and civil fraud, privacy, and other statutes may be applicable to the information provided. RETURN THE COMPLETED FORM AD-1026 TO YOUR COUNTY FARM SERVICE AGENCY (FSA) OFFICE.*

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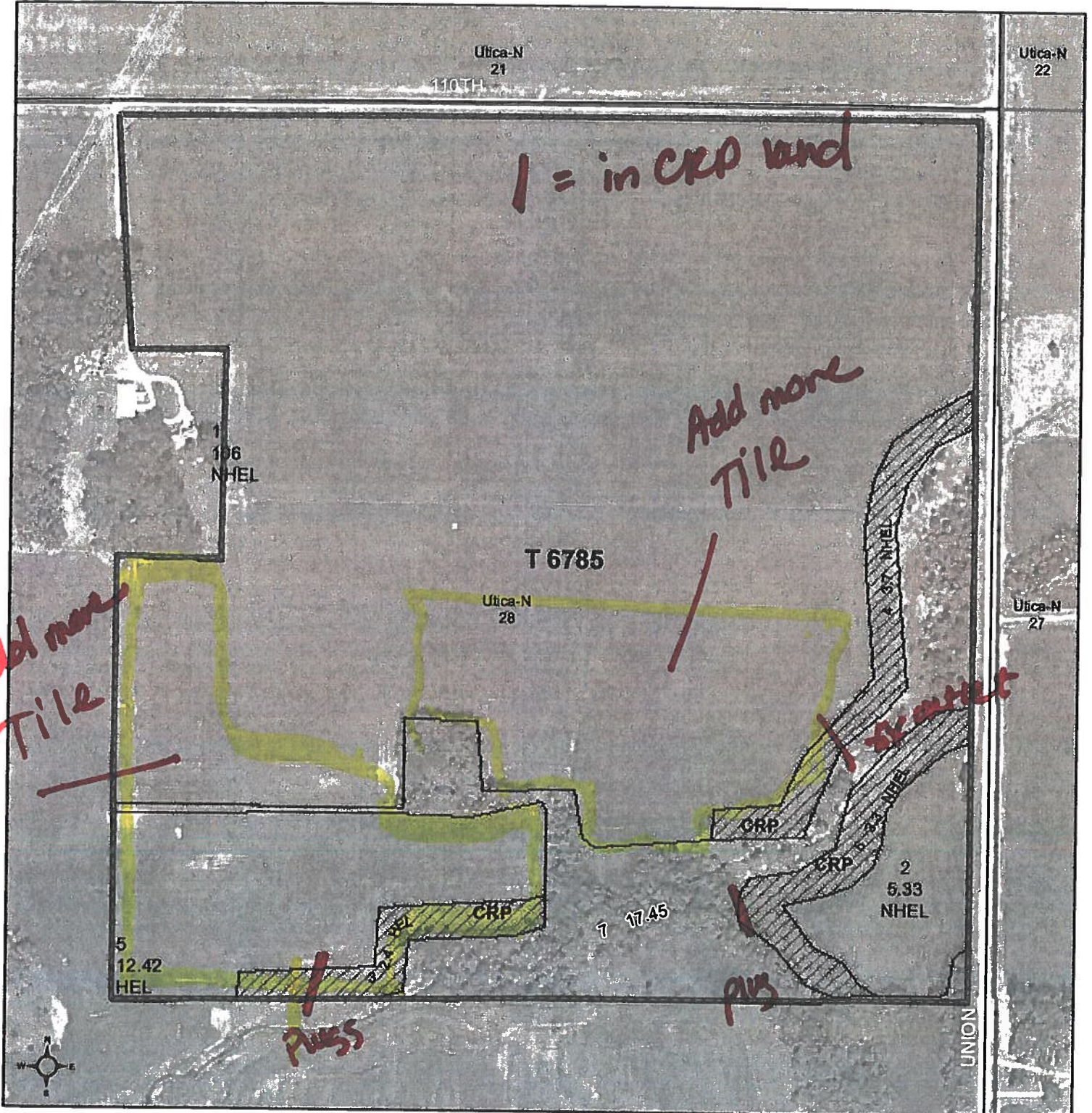
*If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, found online at [http://www.ascr.usda.gov/complaint\\_filing\\_cust.html](http://www.ascr.usda.gov/complaint_filing_cust.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter by mail to U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov). USDA is an equal opportunity provider and employer.*



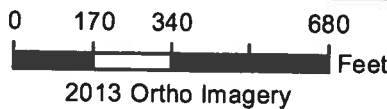


United States  
Department of  
Agriculture

# Chickasaw County, Iowa



Common Land Unit	CRP
Cropland	Tract Boundary
Non-Cropland	PLSS



2015 Program Year  
Map Created November 25, 2014

- Wetland Determination Identifiers**
- Restricted Use
  - ▽ Limited Restrictions
  - Exempt from Conservation Compliance Provisions

Tract Cropland Total: 133.15 acres

**Farm 3716**  
**Tract 6785**

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

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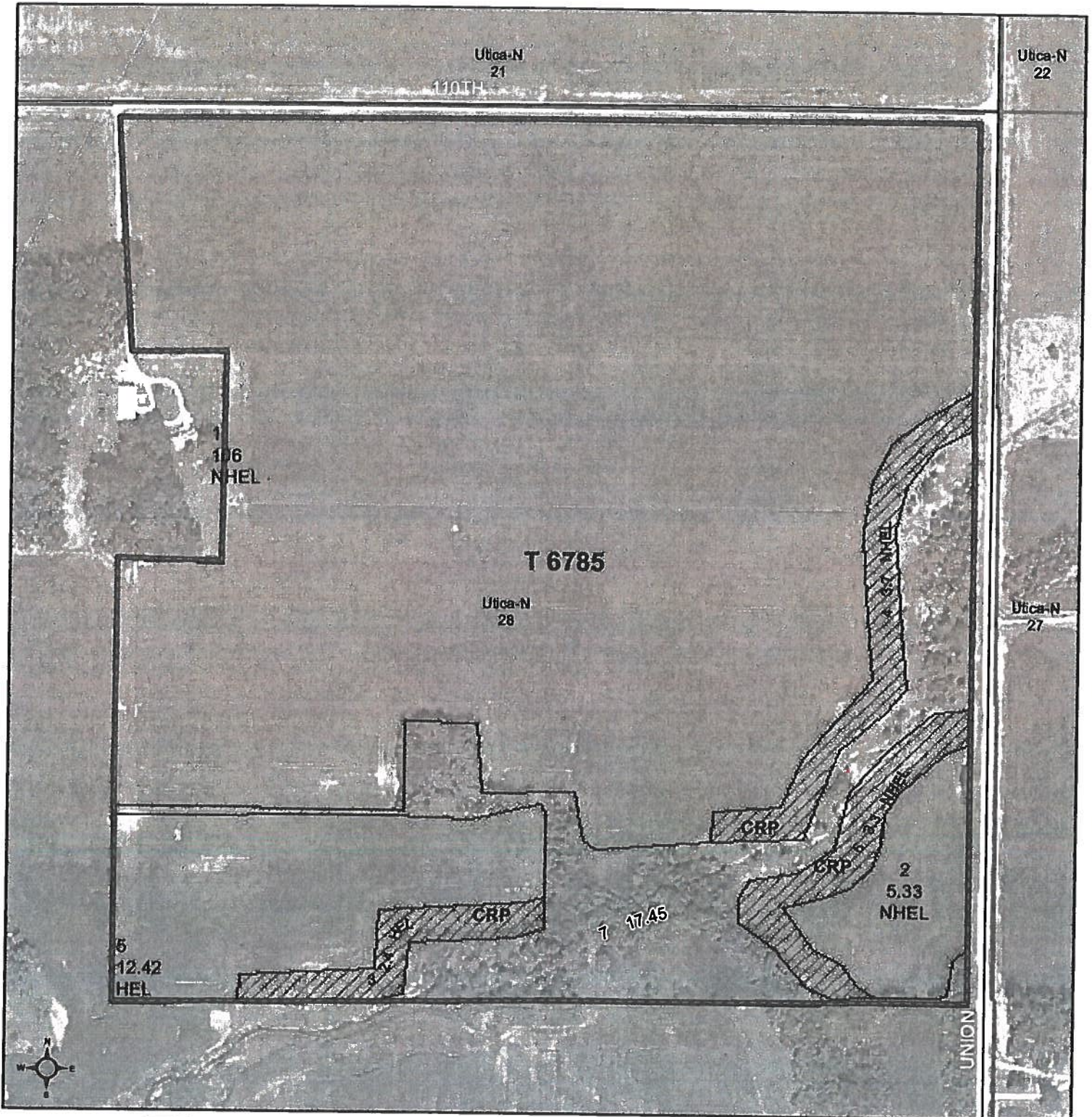
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United States  
Department of  
Agriculture

# Chickasaw County, Iowa



Common Land Unit	
	Cropland
	Non-Cropland
	CRP
	Tract Boundary
	PLSS



2013 Ortho Imagery

2015 Program Year  
Map Created November 25, 2014

### Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

**Tract Cropland Total: 133.15 acres**

**Farm 3716**  
**Tract 6785**

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).





# Wetland Polygon Features

Field No	Wetland Label	Acres	Tract No
1	Prior Converted Cropland	109.7	6785
2	Prior Converted Cropland	8.6	6785
5	Prior Converted Cropland	14.8	6785
7	Non Wetland	10.8	6785
7	Wetland	0.1	6785
7	Wetland	0.8	6785
7	Wetland	0.3	6785
7	Wetland	0.2	6785
7	Wetland	0.2	6785
7	Wetland	0.2	6785
7	<del>Non Wetland</del> NA	4.4	6785
7	Wetland	0.1	6785
7	Wetland	0.1	6785
7	Wetland	0.1	6785

7 W 2.2ac

2/25/16  
↓

1 MHEL 109.7ac 4/6/88  
 2 MHEL 8.6ac ↓  
 5 HEL 14.8ac 4/6/88

Wetland letter



WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/16  
 Applicant/Owner: Sandra Fann PTN State: Iowa Sampling Point: 1  
 Investigator(s): Kuennen Section, Township, Range:  
 Landform (hillslope, terrace, etc.): Upland Drainageway Local relief (concave, convex, none): Concave  
 Slope (%): 2% Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Coland Spillville NWI Classification: U

Are climate/hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (if no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ naturally problematic? present? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		

Remarks: Depressed area removed from the cut stream channel. Distinct vegetative change

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Sapling/Shrub Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Herb Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Road Lemnaceae</u>	<u>60</u>	<u>Y</u>	<u>FACW</u>
2. <u>Meadow Sedge</u>	<u>40</u>	<u>Y</u>	<u>FACW</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
= Total Cover			

Woody Vine Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
= Total Cover			

**Dominance Test (DT) worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index (PI) worksheet:**

Total % Cover of:	Multiply by:
OBL species	0 x 1 = 0
FACW species	0 x 2 = 0
FAC species	0 x 3 = 0
FACU species	0 x 4 = 0
UPL species	0 x 5 = 0
Column Totals:	0 (A) (B) 0

Prevalence Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**

No 1 - Rapid Test for Hydrophytic Vegetation

No 2 - Dominance Test is > 50.0%

No 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

No 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

No Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)





WETLAND DETERMINATION DATA FORM - Midwest Reg

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Sauke Farm PTN State: Iowa Sampling Point: 2  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Upland Drainageway \_\_\_\_\_ Local relief (concave, convex, none): Concave  
 Slope (%): 2% Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Clay Soil, white NWI Classification: U

Are climate/hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (if no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ significantly disturbed? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ naturally problematic? Yes  No \_\_\_\_\_  
 Are "Normal Circumstances" present? (if needed, explain any answers in Remarks.) Yes  No \_\_\_\_\_

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes _____ No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes _____ No _____		
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>		

Remarks: NC area with a 4' cut stream ditch running thru it

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			
Sapling/Shrub Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			
Herb Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>reed</u>	<u>70</u>	<u>Y</u>	<u>FACW</u>
2. <u>Biomgrass</u>	<u>30</u>	<u>Y</u>	<u>FACU</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
= Total Cover			
Woody Vine Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
= Total Cover			

**Dominance Test (DT) worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)  
 Total Number of Dominant Species Across All Strata: 2 (B)  
 Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

**Prevalance Index (PI) worksheet:**

Total % Cover of:	Multiply by:	
OBL species	0 x 1 =	0
FACW species	0 x 2 =	0
FAC species	0 x 3 =	0
FACU species	0 x 4 =	0
UPL species	0 x 5 =	0
Column Totals:	0 (A) (B)	0

Prevalance Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**

No 1 - Rapid Test for Hydrophytic Vegetation  
 No 2 - Dominance Test is > 50.0%  
 No 3 - Prevalance Index is ≤ 3.0<sup>1</sup>  
 No 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
 No Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes \_\_\_\_\_ No

Remarks: (Include photo numbers here or on a separate sheet.)



**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Saupe Farm State: IA Sampling Point: 3  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Upland Orangeburg Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Clay Spillville NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>Depressed area removed from wet ditch</u>	

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: _____)				
1. <u>Meadow Sedges</u>	<u>45</u>	<u>Y</u>	<u>FACW</u>	
2. <u>Reed Colony</u>	<u>40</u>	<u>Y</u>	<u>FACW</u>	
3. <u>Canada Goldenrod</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				

**Dominance Test worksheet:**  
 Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)  
 Total Number of Dominant Species Across All Strata: 3 (B)  
 Percent of Dominant Species That Are OBL, FACW, or FAC: 66% (A/B)

**Prevalence Index worksheet:**  
 Total % Cover of: \_\_\_\_\_ Multiply by: \_\_\_\_\_  
 OBL species \_\_\_\_\_ x 1 = \_\_\_\_\_  
 FACW species \_\_\_\_\_ x 2 = \_\_\_\_\_  
 FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_  
 FACU species \_\_\_\_\_ x 4 = \_\_\_\_\_  
 UPL species \_\_\_\_\_ x 5 = \_\_\_\_\_  
 Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)  
 Prevalence Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**  
 Dominance Test is >50%  
 Prevalence Index is ≤3.0<sup>1</sup>  
 Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
 Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

**SOIL**

Sampling Point: 3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators:**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes  No

**Remarks:**

*Used Varovce 5-54 Coland Spillville complex 65% hydric*

**HYDROLOGY**

**Wetland Hydrology Indicators:**

**Primary Indicators (minimum of one is required; check all that apply)**

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)

- Water-Stained Leaves (B9)
- Aquatic Fauna (B13)
- True Aquatic Plants (B14)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

**Secondary Indicators (minimum of two required)**

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

**Field Observations:**

Surface Water Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Water Table Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Saturation Present? (includes capillary fringe) Yes  No  Depth (inches): \_\_\_\_\_

Wetland Hydrology Present? Yes  No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

**Remarks:**

*Deposited area removed from cut stream ditch*

**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Saupe Farm State: IA Sampling Point: 4  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Upland Drangeway Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Clarks Spillville NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>Depressed area removed from cut stream ditch</u>	

**VEGETATION – Use scientific names of plants.**

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
5. _____	_____	_____	_____	
_____ = Total Cover				
<b>Sapling/Shrub Stratum (Plot size: _____)</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
<b>Herb Stratum (Plot size: _____)</b>				
1. <u>Prune Leaf Grass</u>	<u>80</u>	<u>Y</u>	<u>FACW</u>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
_____ = Total Cover				
<b>Woody Vine Stratum (Plot size: _____)</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_

**SOIL**

Sampling Point: 4

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators:**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes  No

**Remarks:**

*Used Varrova 5-54 Coland Spillville complex 65% hydric*

**HYDROLOGY**

**Wetland Hydrology Indicators:**

**Primary Indicators (minimum of one is required; check all that apply)**

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water-Stained Leaves (B9)
- Aquatic Fauna (B13)
- True Aquatic Plants (B14)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

**Secondary Indicators (minimum of two required)**

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

**Field Observations:**

Surface Water Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Water Table Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Saturation Present? (includes capillary fringe) Yes  No  Depth (inches): \_\_\_\_\_

Wetland Hydrology Present? Yes  No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

**Remarks:**

*Depressed area away from cut ditch. Distinctive hydrophytic vegetation*

WETLAND TERMINATION DATA FORM - Midwest Reg

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Saunder Farm PTN State: Iowa Sampling Point: 5  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Upland Drainageway \_\_\_\_\_ Local relief (concave, convex, none): Convex  
 Slope (%): 2% Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Clond Spillville NWI Classification: U

Are climate/hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (if no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ significantly disturbed? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ naturally problematic? Yes  No \_\_\_\_\_  
 Are "Normal Circumstances" present? (If needed, explain any answers in Remarks.) Yes  No \_\_\_\_\_

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes _____ No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes _____ No _____		
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>		

Remarks: Point is located above a sharp drop off to stream below

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Cherry</u>	<u>35</u>	<u>Y</u>	<u>FACU</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Sapling/Shrub Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Herb Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Brom Grass</u>	<u>80</u>	<u>Y</u>	<u>FACU</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
= Total Cover			

Woody Vine Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
= Total Cover			

**Dominance Test (DT) worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

**Prevalance Index (PI) worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>0</u> (A) <u>0</u> (B)	<u>0</u>

Prevalance Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**

No 1 - Rapid Test for Hydrophytic Vegetation

No 2 - Dominance Test is > 50.0%

No 3 - Prevalance Index is ≤ 3.0<sup>1</sup>

No 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

No Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes \_\_\_\_\_ No

Remarks: (Include photo numbers here or on a separate sheet.)



Remarks: <i>Part located above a cut ditch removing hydrology</i>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
(includes capillary fringe) Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Depth (inches): _____ Depth (inches): _____	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	
<b>Field Observations:</b> Surface Water (A1) _____ High Water Table (A2) _____ Saturation (A3) _____ Water Marks (B1) _____ Sediment Deposits (B2) _____ Drift Deposits (B3) _____ Algal Mat or Crust (B4) _____ Iron Deposits (B5) _____ Inundation on Aerial Imagery (B7) _____ Sparsely Vegetated Concave Surface (B8) _____ (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) _____ Drainage Patterns (B10) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) _____ Geomorphic Position (D2) _____ FAC-Neutral Test (D5) _____
<b>Wetland Hydrology Indicators:</b> Water-Stained Leaves (B9) _____ Aquatic Fauna (B13) _____ True Aquatic Plants (B14) _____ Hydrogen Sulfide Odor (C1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Presence of Reduced Iron (C4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Thin Muck Surface (C7) _____ Gauge or Well Data (D9) _____ Other (Explain in Remarks) _____		Primary Indicators Surface Water (A1) _____ High Water Table (A2) _____ Saturation (A3) _____ Water Marks (B1) _____ Sediment Deposits (B2) _____ Drift Deposits (B3) _____ Algal Mat or Crust (B4) _____ Iron Deposits (B5) _____ Inundation on Aerial Imagery (B7) _____ Sparsely Vegetated Concave Surface (B8) _____ (minimum of one is required; check all that apply)

**HYDROLOGY**

Remarks: <i>Very silty/silt soil</i> This soil does not meet the criteria of a hydric soil as defined in 7 CFR Part 12 and NFSAM Part 514;		
Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soils Present? Yes <input checked="" type="checkbox"/> No _____	
<b>Hydric Soil Indicators:</b> (minimum of one is required; check all that apply) Histosol (A1) _____ Histic Epipedon (A2) _____ Black Histic (A3) _____ Hydrogen Sulfide (A4) _____ Stratified-Layers (A5) _____ 2 cm Muck (A10) _____ Depleted Below Dark Surface (A11) _____ Thick Dark Surface (A12) _____ Sandy Mucky Mineral (S1) _____ 5 cm Mucky Peat or Peat (S3) _____		Indicators for Problematic Hydric Soils: Coast Prairie Redox (A16) _____ Dark Surface (S7) _____ Iron-Manganese Masses (F12) _____ Very Shallow Dark Surface (TF12) _____ Other (Explain in Remarks) _____ 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
<b>Profile Description:</b> (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth (inches) _____ Color (moist) _____ % _____ Matrix _____ Color (moist) _____ % _____ Redox Features _____ Color (moist) _____ % _____ Type _____ Loc _____ Texture _____ Remarks _____		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Location: PL=Peat Lining, M=Matrix		

**SOIL**

Sampling Point: *5*

**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Saude Farm State: IA Sampling Point: 6  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Upland Orangeburg Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Upland Spillville NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>Depressed area removed from cut stream ditch</u>	

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Boxelder</u>	<u>25</u>	<u>Y</u>	<u>FACW</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)	
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____	
5. _____	_____	_____	_____		
_____ = Total Cover					
Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status		Hydrophytic Vegetation Indicators:
1. _____	_____	_____	_____		<input checked="" type="checkbox"/> Dominance Test is >50%
2. _____	_____	_____	_____	_____ Prevalence Index is ≤3.0 <sup>1</sup>	
3. _____	_____	_____	_____	_____ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
4. _____	_____	_____	_____	_____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
5. _____	_____	_____	_____	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
6. _____	_____	_____	_____		
7. _____	_____	_____	_____	<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No _____	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
_____ = Total Cover					
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Remarks: (Include photo numbers here or on a separate sheet.)	
1. _____	_____	_____	_____	_____	
2. _____	_____	_____	_____		
_____ = Total Cover				_____	

**SOIL**

Sampling Point: 6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

- Hydric Soil Indicators:**
- Histosol (A1)
  - Histic Epipedon (A2)
  - Black Histic (A3)
  - Hydrogen Sulfide (A4)
  - Stratified Layers (A5)
  - 2 cm Muck (A10)
  - Depleted Below Dark Surface (A11)
  - Thick Dark Surface (A12)
  - Sandy Mucky Mineral (S1)
  - 5 cm Mucky Peat or Peat (S3)
  - Sandy Gleyed Matrix (S4)
  - Sandy Redox (S5)
  - Stripped Matrix (S6)
  - Loamy Mucky Mineral (F1)
  - Loamy Gleyed Matrix (F2)
  - Depleted Matrix (F3)
  - Redox Dark Surface (F6)
  - Depleted Dark Surface (F7)
  - Redox Depressions (F8)
- Indicators for Problematic Hydric Soils<sup>3</sup>:**
- Coast Prairie Redox (A16)
  - Iron-Manganese Masses (F12)
  - Other (Explain in Remarks)
- <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes  No

Remarks: *Used Varovce 5-54 Coland Spillville complex 65% hydric*

**HYDROLOGY**

- Wetland Hydrology Indicators:**
- Primary Indicators (minimum of one is required; check all that apply)**
- Surface Water (A1)
  - High Water Table (A2)
  - Saturation (A3)
  - Water Marks (B1)
  - Sediment Deposits (B2)
  - Drift Deposits (B3)
  - Algal Mat or Crust (B4)
  - Iron Deposits (B5)
  - Inundation Visible on Aerial Imagery (B7)
  - Sparsely Vegetated Concave Surface (B8)
  - Water-Stained Leaves (B9)
  - Aquatic Fauna (B13)
  - True Aquatic Plants (B14)
  - Hydrogen Sulfide Odor (C1)
  - Oxidized Rhizospheres on Living Roots (C3)
  - Presence of Reduced Iron (C4)
  - Recent Iron Reduction in Tilled Soils (C6)
  - Thin Muck Surface (C7)
  - Gauge or Well Data (D9)
  - Other (Explain in Remarks)
- Secondary Indicators (minimum of two required)**
- Surface Soil Cracks (B6)
  - Drainage Patterns (B10)
  - Dry-Season Water Table (C2)
  - Crayfish Burrows (C8)
  - Saturation Visible on Aerial Imagery (C9)
  - Stunted or Stressed Plants (D1)
  - Geomorphic Position (D2)
  - FAC-Neutral Test (D5)

**Field Observations:**

Surface Water Present? Yes  No  Depth (inches): \_\_\_\_\_

Water Table Present? Yes  No  Depth (inches): \_\_\_\_\_

Saturation Present? (includes capillary fringe) Yes  No  Depth (inches): \_\_\_\_\_

Wetland Hydrology Present? Yes  No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: *Depressed area with distinct vegetative change*

WETLAND DETERMINATION DATA FORM - Midwest Reg

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Sauke Farm PTN State: Iowa Sampling Point: 7  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Upland Drainageway \_\_\_\_\_ Local relief (concave, convex, none): Convex  
 Slope (%): 2% Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Colony Spillville NWI Classification: U

Are climate/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (if no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_\_ No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ naturally problematic? present? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland?	Yes _____ No <u>X</u>
Hydric Soils Present?	Yes _____ No _____		
Wetland Hydrology Present?	Yes _____ No <u>X</u>		

Remarks: Point is located near to cut 5' cut ditch

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Boxelder</u>	<u>35</u>	<u>Y</u>	<u>FACW</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Sapling/Shrub Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Herb Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Bromgrass</u>	<u>55</u>	<u>Y</u>	<u>FACW</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
= Total Cover			

Woody Vine Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
= Total Cover			

**Dominance Test (DT) worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

**Prevalance Index (PI) worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACW species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>0</u> (A) <u>0</u> (B)	

Prevalance Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**

No 1 - Rapid Test for Hydrophytic Vegetation

No 2 - Dominance Test is > 50.0%

No 3 - Prevalance Index is ≤ 3.0<sup>1</sup>

No 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

No Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes \_\_\_\_\_ No X

Remarks: (Include photo numbers here or on a separate sheet.)

**SOIL**

Remarks: *cut ditch thru area removed hydrology*

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

**Field Observations:**

Surface Water Present?	Yes	No	Depth (inches):
Water Table Present?	Yes	No	Depth (inches):
Saturation Present?	Yes	No	Depth (inches):

(includes capillary fringe)

**Wetland Hydrology Indicators:**

Primary indicators (minimum of one is required; check all that apply)

Secondary indicators (minimum of two required)

**Wetland Hydrology Present?** Yes  No

**HYDROLOGY**

Remarks: *could be problematic soil as per 514*

This soil does not meet the criteria of a hydric soil as defined in 7 CFR Part 12 and NFSAM Part 514.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_ Depth (inches): \_\_\_\_\_

**Hydric Soil Indicators:**

(minimum of one is required; check all that apply)

Coast Prairie Redox (A16)	Dark Surface (S7)	Iron-Manganese Masses (F12)	Very Shallow Dark Surface (TF12)	Other (Explain in Remarks)
Sandy Gleyed Matrix (S4)	Sandy Redox (S5)	Stripped Matrix (S6)	Loamy Mucky Mineral (F1)	Loamy Gleyed Matrix (F2)
Histisol (A1)	Histic Epipedon (A2)	Black Histic (A3)	Hydrogen Sulfide (A4)	Stratified-Layers (A5)
5 cm Mucky Peat or Peat (S3)	Thick Dark Surface (A12)	Sandy Mucky Mineral (S1)	Depleted Below Dark Surface (A11)	Depleted Matrix (F3)
Depleted Dark Surface (A11)	Depleted Dark Surface (F6)	Depleted Dark Surface (F7)	Redox Depressions (F8)	Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Hydric Soil Indicators:**

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.  
 ?Location: PL=Peat Lining, M=Matrix

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

Depth (inches)	Matrix	Color (moist) %	Color (moist) %	Type	Loc	Texture	Remarks

Indicators for Problematic Hydric Soils:

Sampling Point: *7*

**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Sande Farm State: IA Sampling Point: 8  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Upland Drangeway Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Clay Spillville NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>Depressed area removed from creek bank. Creek ditch shallows in this area</u>	

**VEGETATION - Use scientific names of plants.**

Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
<u>Tree Stratum</u>			
1. _____			
2. _____			
3. _____			
4. _____			
5. _____			
_____ = Total Cover			
<u>Sapling/Shrub Stratum</u>			
1. _____			
2. _____			
3. _____			
4. _____			
5. _____			
_____ = Total Cover			
<u>Herb Stratum</u>			
1. _____			
2. <u>Red Cowary Grass</u>	<u>80</u>	<u>Y</u>	<u>FACW</u>
3. _____			
4. _____			
5. _____			
6. _____			
7. _____			
8. _____			
9. _____			
10. _____			
_____ = Total Cover			
<u>Woody Vine Stratum</u>			
1. _____			
2. _____			
_____ = Total Cover			

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

---

**Prevalence Index worksheet:**

Total % Cover of: \_\_\_\_\_ Multiply by:

OBL species \_\_\_\_\_ x 1 = \_\_\_\_\_

FACW species \_\_\_\_\_ x 2 = \_\_\_\_\_

FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_

FACU species \_\_\_\_\_ x 4 = \_\_\_\_\_

UPL species \_\_\_\_\_ x 5 = \_\_\_\_\_

Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)

Prevalence Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**

\_\_\_ Dominance Test is >50%

\_\_\_ Prevalence Index is ≤3.0<sup>1</sup>

\_\_\_ Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

**SOIL**

Sampling Point: 8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators:**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes  No

Remarks:

*Used Varovce 5-54 Coland Spillville complex 65% hydric*

**HYDROLOGY**

**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water-Stained Leaves (B9)
- Aquatic Fauna (B13)
- True Aquatic Plants (B14)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

**Field Observations:**

Surface Water Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Water Table Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Saturation Present? (includes capillary fringe) Yes  No  Depth (inches): \_\_\_\_\_

Wetland Hydrology Present? Yes  No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

*Depressed area somewhat removed from an area where stream ditch gets shallow*

**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Saupe Farm State: IA Sampling Point: 9  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Upland Drangeway Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Clay Spillville NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>Area within VC area that is slightly depressed from surrounding area</u>	

**VEGETATION – Use scientific names of plants.**

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)  Total Number of Dominant Species Across All Strata: <u>2</u> (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B)  Prevalence Index = B/A = _____
<b>Sapling/Shrub Stratum (Plot size: _____)</b> 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ _____ = Total Cover				
<b>Herb Stratum (Plot size: _____)</b> 1. <u>Bluegrass</u> 50 Y FAC 2. <u>Ragweed</u> 25 Y FAC 3. <u>Canada Goldenrod</u> 15 N FACU 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ 9. _____ 10. _____ _____ = Total Cover				
<b>Woody Vine Stratum (Plot size: _____)</b> 1. _____ 2. _____ _____ = Total Cover				
<b>Hydrophytic Vegetation Indicators:</b> _____ Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤3.0 <sup>1</sup> _____ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
Remarks: (Include photo numbers here or on a separate sheet.)				

**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_



**SOIL**

Sampling Point: 9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

- Hydric Soil Indicators:**
- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> Sandy Gleyed Matrix (S4)   | <b>Indicators for Problematic Hydric Soils<sup>3</sup>:</b> |
| <input type="checkbox"/> Histic Epipedon (A2)              | <input type="checkbox"/> Sandy Redox (S5)           |   |
| <input type="checkbox"/> Black Histic (A3)                 | <input type="checkbox"/> Stripped Matrix (S6)       |   |
| <input type="checkbox"/> Hydrogen Sulfide (A4)             | <input type="checkbox"/> Loamy Mucky Mineral (F1)   |   |
| <input type="checkbox"/> Stratified Layers (A5)            | <input type="checkbox"/> Loamy Gleyed Matrix (F2)   |   |
| <input type="checkbox"/> 2 cm Muck (A10)                   | <input type="checkbox"/> Depleted Matrix (F3)       |   |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Redox Dark Surface (F6)    |   |
| <input type="checkbox"/> Thick Dark Surface (A12)          | <input type="checkbox"/> Depleted Dark Surface (F7) |   |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)          | <input type="checkbox"/> Redox Depressions (F8)     |   |
| <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)      |   |   |
- <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes  No

Remarks: *Used Varrova 5-54 Coland Spillville complex 65% hydric*

**HYDROLOGY**

- Wetland Hydrology Indicators:**
- |  |   |  |
|--|---|--|
| <b>Primary Indicators (minimum of one is required; check all that apply)</b> |   | <b>Secondary Indicators (minimum of two required)</b>              |
| <input type="checkbox"/> Surface Water (A1)                                  | <input type="checkbox"/> Water-Stained Leaves (B9)                  | <input type="checkbox"/> Surface Soil Cracks (B6)                  |
| <input type="checkbox"/> High Water Table (A2)                               | <input type="checkbox"/> Aquatic Fauna (B13)                        | <input type="checkbox"/> Drainage Patterns (B10)                   |
| <input type="checkbox"/> Saturation (A3)                                     | <input type="checkbox"/> True Aquatic Plants (B14)                  | <input type="checkbox"/> Dry-Season Water Table (C2)               |
| <input type="checkbox"/> Water Marks (B1)                                    | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)                 | <input type="checkbox"/> Crayfish Burrows (C8)                     |
| <input type="checkbox"/> Sediment Deposits (B2)                              | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Drift Deposits (B3)                                 | <input type="checkbox"/> Presence of Reduced Iron (C4)              | <input type="checkbox"/> Stunted or Stressed Plants (D1)           |
| <input type="checkbox"/> Algal Mat or Crust (B4)                             | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input checked="" type="checkbox"/> Geomorphic Position (D2)       |
| <input type="checkbox"/> Iron Deposits (B5)                                  | <input type="checkbox"/> Thin Muck Surface (C7)                     | <input checked="" type="checkbox"/> FAC-Neutral Test (D5)          |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)           | <input type="checkbox"/> Gauge or Well Data (D9)                    |  |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)             | <input type="checkbox"/> Other (Explain in Remarks)                 |  |

**Field Observations:**

Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	<b>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></b>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: *Slightly depressed NC area*

WETLAND DETERMINATION DATA FORM - Midwest Reg

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Sandus Farm PTN State: Iowa Sampling Point: 10  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Upland Drainageway \_\_\_\_\_ Local relief (concave, convex, none): concave  
 Slope (%): 2% Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Coland Soilville NWI Classification: U

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes  No   
 Hydric Soils Present? Yes  No   
 Wetland Hydrology Present? Yes  No   
 Is the Sampled Area within a Wetland? Yes \_\_\_\_\_ No

Remarks: NC area that has old tile outlets in area. Little farther north of point is old cement tile channels

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Buxellor</u>	<u>70</u>	<u>Y</u>	<u>FACW</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Sapling/Shrub Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Herb Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. <u>Rogweed</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
= Total Cover			

Woody Vine Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
= Total Cover			

**Dominance Test (DT) worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

**Prevalance Index (PI) worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL speices <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>0</u> (A) <u>0</u> (B)	<u>0</u>

Prevalance Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**

No 1 - Rapid Test for Hydrophytic Vegetation

No 2 - Dominance Test is > 50.0%

No 3 - Prevalance Index is ≤ 3.0<sup>1</sup>

No 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

No Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)



**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Saude Farm State: IA Sampling Point: 11  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Upland Drangeway Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Glend Spillville NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>Old channel type area with no defined channel banks water meanders thru area</u>	

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>Betula</u>	<u>55</u>	<u>Y</u>	<u>FACW</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
5. _____	_____	_____	_____	
_____ = Total Cover				
<b>Sapling/Shrub Stratum (Plot size: _____)</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
<b>Herb Stratum (Plot size: _____)</b>				
1. <u>Ragwort</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	<b>Hydrophytic Vegetation Indicators:</b> ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 <sup>1</sup> ___ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
_____ = Total Cover				
<b>Woody Vine Stratum (Plot size: _____)</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

Hydrophytic Vegetation Present? Yes  No \_\_\_\_\_

**SOIL**

Sampling Point: 11

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators:**

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol (A1)                     | <input type="checkbox"/> Sandy Gleyed Matrix (S4)   |
| <input type="checkbox"/> Histic Epipedon (A2)              | <input type="checkbox"/> Sandy Redox (S5)           |
| <input type="checkbox"/> Black Histic (A3)                 | <input type="checkbox"/> Stripped Matrix (S6)       |
| <input type="checkbox"/> Hydrogen Sulfide (A4)             | <input type="checkbox"/> Loamy Mucky Mineral (F1)   |
| <input type="checkbox"/> Stratified Layers (A5)            | <input type="checkbox"/> Loamy Gleyed Matrix (F2)   |
| <input type="checkbox"/> 2 cm Muck (A10)                   | <input type="checkbox"/> Depleted Matrix (F3)       |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Redox Dark Surface (F6)    |
| <input type="checkbox"/> Thick Dark Surface (A12)          | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)          | <input type="checkbox"/> Redox Depressions (F8)     |
| <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)      |   |

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes  No

**Remarks:**

*Used Varrova 5-54 Coland Spillville complex 65% hydric*

**HYDROLOGY**

**Wetland Hydrology Indicators:**

**Primary Indicators (minimum of one is required; check all that apply)**

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)

- Water-Stained Leaves (B9)
- Aquatic Fauna (B13)
- True Aquatic Plants (B14)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

**Secondary Indicators (minimum of two required)**

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

**Field Observations:**

Surface Water Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Water Table Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Saturation Present? (includes capillary fringe) Yes  No  Depth (inches): \_\_\_\_\_

Wetland Hydrology Present? Yes  No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

**Remarks:**

*WW type / old channel area with no defined channel  
H<sub>2</sub>O meadows*

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Sando Farm PTN State: Iowa Sampling Point: 12  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Upland Drainageway \_\_\_\_\_ Local relief (concave, convex, none): concave  
 Slope (%): 2% Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Clay silt/cl NWI Classification: u

Are climate/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (if no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ significantly disturbed? Yes \_\_\_\_\_ No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ naturally problematic? Yes \_\_\_\_\_ No \_\_\_\_\_  
 Are "Normal Circumstances" present? (if needed, explain any answers in Remarks.) Yes \_\_\_\_\_ No \_\_\_\_\_

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes _____	No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Wetland Hydrology Present?	Yes _____	No <input checked="" type="checkbox"/>			

Remarks: MC area with a 1-2' cut ditch running thru it removing the hydrology

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Baxelder</u>	<u>55</u>	<u>Y</u>	<u>FACW</u>
2. _____			
3. _____			
4. _____			
5. _____			
= Total Cover			

Sapling/Shrub Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____			
2. _____			
3. _____			
4. _____			
5. _____			
= Total Cover			

Herb Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Ragweed</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>
2. _____			
3. _____			
4. _____			
5. _____			
6. _____			
7. _____			
8. _____			
9. _____			
10. _____			
= Total Cover			

Woody Vine Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____			
2. _____			
= Total Cover			

**Dominance Test (DT) worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

**Prevalance Index (PI) worksheet:**

Total % Cover of:	Multiply by:	
OBL species <u>0</u>	x 1 =	<u>0</u>
FACW species <u>0</u>	x 2 =	<u>0</u>
FAC species <u>0</u>	x 3 =	<u>0</u>
FACU species <u>0</u>	x 4 =	<u>0</u>
UPL species <u>0</u>	x 5 =	<u>0</u>
Column Totals: <u>0</u> (A)	(B)	<u>0</u>

Prevalance Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**

No 1 - Rapid Test for Hydrophytic Vegetation

No 2 - Dominance Test is > 50.0%

No 3 - Prevalance Index is ≤ 3.0<sup>1</sup>

No 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

No Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)



WETLAND TERMINATION DATA FORM – Midwest Region

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Sando Farm PTN State: Iowa Sampling Point: 13  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): \_\_\_\_\_ Upland Drainageway \_\_\_\_\_ Local relief (concave, convex, none): convex  
 Slope (%): 2% Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Buckhardt sandy loam NWI Classification: U

Are climate/hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (if no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? (if needed, explain any answers in Remarks.) Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_ Soil \_\_\_\_\_ or Hydrology \_\_\_\_\_ naturally problematic? Yes  No \_\_\_\_\_

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes _____ No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes _____ No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>		

Remarks: Upland site high and dry D slope soils in area Sandy soils

**VEGETATION – Use scientific names of plants.**

Tree Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Oak</u>	<u>45</u>	<u>Y</u>	<u>FACU</u>
2. <u>Boxelder</u>	<u>35</u>	<u>Y</u>	<u>FACW</u>
3. <u>Cherry</u>	<u>15</u>	<u>N</u>	<u>FACU</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Sapling/Shrub Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
= Total Cover			

Herb Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
= Total Cover			

Woody Vine Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
= Total Cover			

**Dominance Test (DT) worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

**Prevalance Index (PI) worksheet:**

Total % Cover of:	Multiply by:	Result
OBL species	x 1 =	<u>0</u>
FACW species	x 2 =	<u>0</u>
FAC species	x 3 =	<u>0</u>
FACU species	x 4 =	<u>0</u>
UPL species	x 5 =	<u>0</u>
Column Totals:	(A) (B)	<u>0</u>

Prevalance Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**

No 1 - Rapid Test for Hydrophytic Vegetation

No 2 - Dominance Test is > 50.0%

No 3 - Prevalance Index is ≤ 3.0<sup>1</sup>

No 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

No Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes \_\_\_\_\_ No

Remarks: (Include photo numbers here or on a separate sheet.)





**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Saude Farm State: IA Sampling Point: 14  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Upland Driveway Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Clay Spillville NWI classification: u

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>Old oxbow/channel removed from current cut ditch low lying</u>	

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
5. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Red Coward</u>	<u>60</u>	<u>Y</u>	<u>FACW</u>	
2. <u>Rayweed</u>	<u>30</u>	<u>Y</u>	<u>FACU</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				

**Hydrophytic Vegetation Indicators:**  
 \_\_\_ Dominance Test is >50%  
 \_\_\_ Prevalence Index is ≤3.0<sup>1</sup>  
 \_\_\_ Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
 \_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

**SOIL**

Sampling Point: 14

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

- Hydric Soil Indicators:**
- Histosol (A1)
  - Histic Epipedon (A2)
  - Black Histic (A3)
  - Hydrogen Sulfide (A4)
  - Stratified Layers (A5)
  - 2 cm Muck (A10)
  - Depleted Below Dark Surface (A11)
  - Thick Dark Surface (A12)
  - Sandy Mucky Mineral (S1)
  - 5 cm Mucky Peat or Peat (S3)
  - Sandy Gleyed Matrix (S4)
  - Sandy Redox (S5)
  - Stripped Matrix (S6)
  - Loamy Mucky Mineral (F1)
  - Loamy Gleyed Matrix (F2)
  - Depleted Matrix (F3)
  - Redox Dark Surface (F6)
  - Depleted Dark Surface (F7)
  - Redox Depressions (F8)
- Indicators for Problematic Hydric Soils<sup>3</sup>:**
- Coast Prairie Redox (A16)
  - Iron-Manganese Masses (F12)
  - Other (Explain in Remarks)
- <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes  No

Remarks: *Used Variance 5-54 Coland Spillville complex 65% hydric*

**HYDROLOGY**

- Wetland Hydrology Indicators:**
- Primary Indicators (minimum of one is required; check all that apply)
- Surface Water (A1)
  - High Water Table (A2)
  - Saturation (A3)
  - Water Marks (B1)
  - Sediment Deposits (B2)
  - Drift Deposits (B3)
  - Algal Mat or Crust (B4)
  - Iron Deposits (B5)
  - Inundation Visible on Aerial Imagery (B7)
  - Sparsely Vegetated Concave Surface (B8)
  - Water-Stained Leaves (B9)
  - Aquatic Fauna (B13)
  - True Aquatic Plants (B14)
  - Hydrogen Sulfide Odor (C1)
  - Oxidized Rhizospheres on Living Roots (C3)
  - Presence of Reduced Iron (C4)
  - Recent Iron Reduction in Tilled Soils (C6)
  - Thin Muck Surface (C7)
  - Gauge or Well Data (D9)
  - Other (Explain in Remarks)
- Secondary Indicators (minimum of two required)
- Surface Soil Cracks (B6)
  - Drainage Patterns (B10)
  - Dry-Season Water Table (C2)
  - Crayfish Burrows (C8)
  - Saturation Visible on Aerial Imagery (C9)
  - Stunted or Stressed Plants (D1)
  - Geomorphic Position (D2)
  - FAC-Neutral Test (D5)

**Field Observations:**

Surface Water Present? Yes  No  Depth (inches): \_\_\_\_\_

Water Table Present? Yes  No  Depth (inches): \_\_\_\_\_

Saturation Present? (includes capillary fringe) Yes  No  Depth (inches): \_\_\_\_\_

Wetland Hydrology Present? Yes  No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: *old channel/oxbow low lying area*

**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Saude Farm State: IA Sampling Point: 15  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Upland Drainsway Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Clay Spindle NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>Old channel low lying area NC adjacent to barbed up H<sub>2</sub>O area originating from stream</u>	

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)  Total Number of Dominant Species Across All Strata: <u>2</u> (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B)  Prevalence Index = B/A = _____
<b>Sapling/Shrub Stratum (Plot size: _____)</b> 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ _____ = Total Cover				
<b>Herb Stratum (Plot size: _____)</b> 1. <u>Road Grass</u> <span style="float:right">55</span> <span style="float:right">Y</span> <span style="float:right">FACU</span> 2. <u>Smartweed</u> <span style="float:right">45</span> <span style="float:right">Y</span> <span style="float:right">FACU</span> 3. _____ 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ 9. _____ 10. _____ _____ = Total Cover				
<b>Woody Vine Stratum (Plot size: _____)</b> 1. _____ 2. _____ _____ = Total Cover				
<b>Hydrophytic Vegetation Indicators:</b> <input checked="" type="checkbox"/> Dominance Test is >50% _____ Prevalence Index is ≤3.0 <sup>1</sup> _____ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
Remarks: (Include photo numbers here or on a separate sheet.)				

**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_

**SOIL**

Sampling Point: 15

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

- Hydric Soil Indicators:**
- Histosol (A1)
  - Histic Epipedon (A2)
  - Black Histic (A3)
  - Hydrogen Sulfide (A4)
  - Stratified Layers (A5)
  - 2 cm Muck (A10)
  - Depleted Below Dark Surface (A11)
  - Thick Dark Surface (A12)
  - Sandy Mucky Mineral (S1)
  - 5 cm Mucky Peat or Peat (S3)
  - Sandy Gleyed Matrix (S4)
  - Sandy Redox (S5)
  - Stripped Matrix (S6)
  - Loamy Mucky Mineral (F1)
  - Loamy Gleyed Matrix (F2)
  - Depleted Matrix (F3)
  - Redox Dark Surface (F6)
  - Depleted Dark Surface (F7)
  - Redox Depressions (F8)
- Indicators for Problematic Hydric Soils<sup>3</sup>:**
- Coast Prairie Redox (A16)
  - Iron-Manganese Masses (F12)
  - Other (Explain in Remarks)
- <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes  No

Remarks: *Used Varovce 5-54 Coland Spillville complex 65% hydric*

**HYDROLOGY**

- Wetland Hydrology Indicators:**
- Primary Indicators (minimum of one is required; check all that apply)
- Surface Water (A1)
  - High Water Table (A2)
  - Saturation (A3)
  - Water Marks (B1)
  - Sediment Deposits (B2)
  - Drift Deposits (B3)
  - Algal Mat or Crust (B4)
  - Iron Deposits (B5)
  - Inundation Visible on Aerial Imagery (B7)
  - Sparsely Vegetated Concave Surface (B8)
  - Water-Stained Leaves (B9)
  - Aquatic Fauna (B13)
  - True Aquatic Plants (B14)
  - Hydrogen Sulfide Odor (C1)
  - Oxidized Rhizospheres on Living Roots (C3)
  - Presence of Reduced Iron (C4)
  - Recent Iron Reduction in Tilled Soils (C6)
  - Thin Muck Surface (C7)
  - Gauge or Well Data (D9)
  - Other (Explain in Remarks)
- Secondary Indicators (minimum of two required)
- Surface Soil Cracks (B6)
  - Drainage Patterns (B10)
  - Dry-Season Water Table (C2)
  - Crayfish Burrows (C8)
  - Saturation Visible on Aerial Imagery (C9)
  - Stunted or Stressed Plants (D1)
  - Geomorphic Position (D2)
  - FAC-Neutral Test (D5)

**Field Observations:**

Surface Water Present? Yes  No  Depth (inches): \_\_\_\_\_

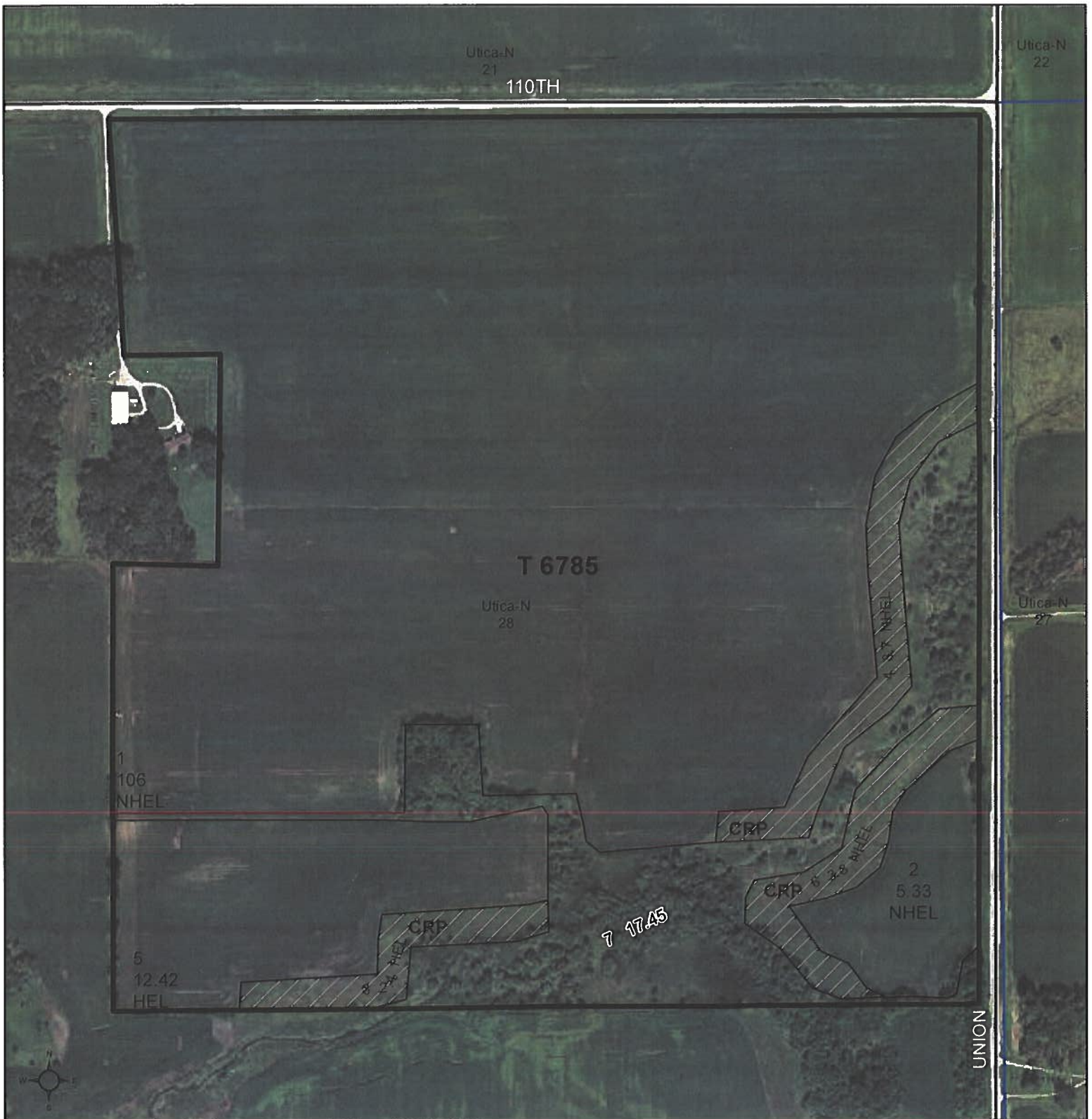
Water Table Present? Yes  No  Depth (inches): \_\_\_\_\_

Saturation Present? (includes capillary fringe) Yes  No  Depth (inches): \_\_\_\_\_

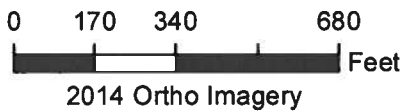
Wetland Hydrology Present? Yes  No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: *low lying area that is an old oxbow/channel area*



Common Land Unit	
	Cropland
	Non-Cropland
	CRP
	Tract Boundary
	PLSS



**2015 Program Year**

Map Created April 09, 2015

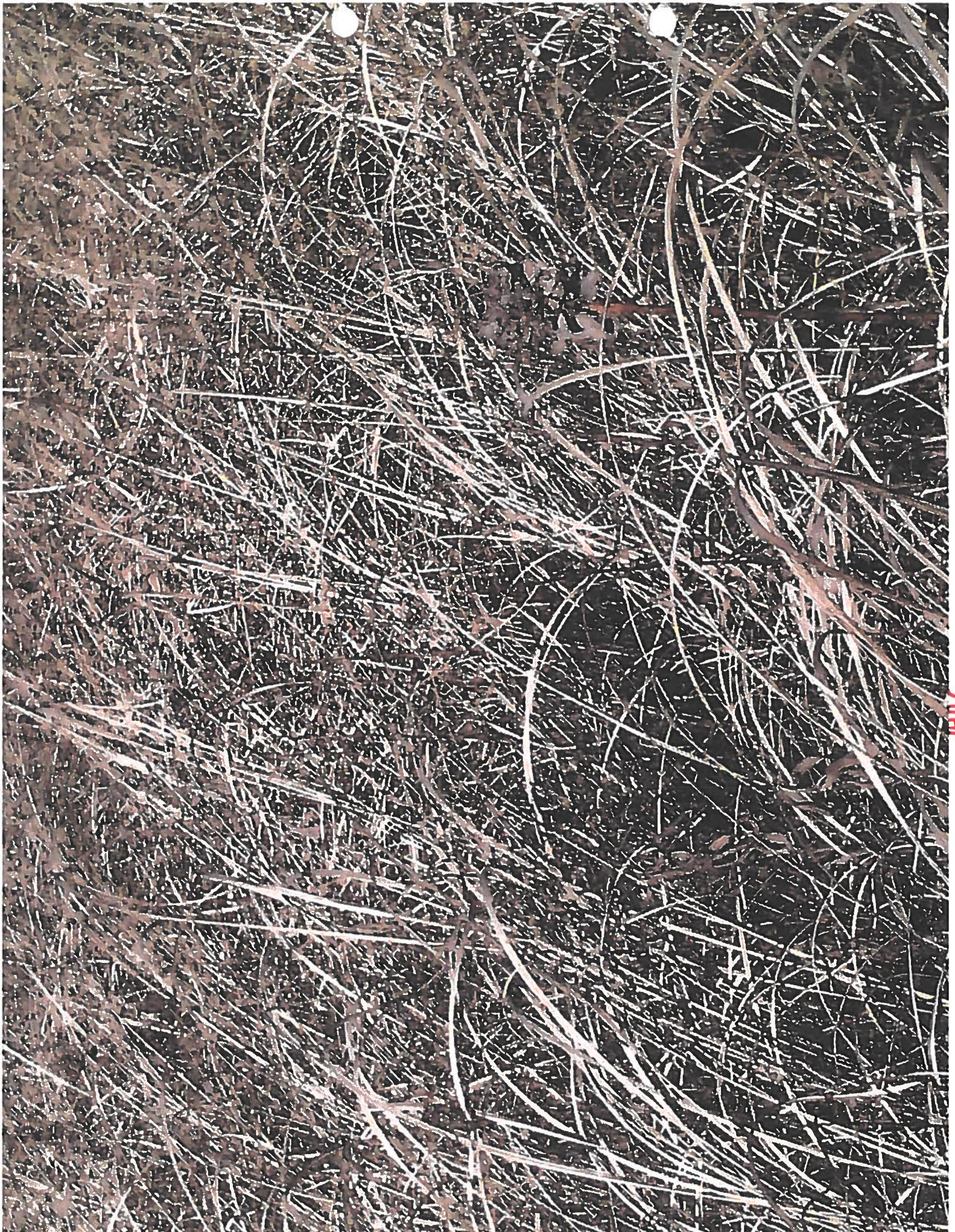
**Farm 3716**  
**Tract 6785**

**Wetland Determination Identifiers**

- Restricted Use
- Limited Restrictions
- Exempt from Conservation
- Compliance Provisions

**Tract Cropland Total: 133.15 acres**

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).











**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: T10455 F3716 City/County: Chickasaw Sampling Date: 5/15/15  
 Applicant/Owner: Saude Farm State: IA Sampling Point: 16  
 Investigator(s): Kuennen Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Upland Drainsway Local relief (concave, convex, none): Concave  
 Slope (%): 2 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Soil Map Unit Name: Upland - Spillville NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>NC area along side a stream, low lying. Stream is wider and banks is shallower than other areas</u>	

**VEGETATION - Use scientific names of plants.**

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)	
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____	
5. _____	_____	_____	_____		
_____ = Total Cover					
Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
_____ = Total Cover					
Herb Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status		
1. <u>Reed Canary Grass</u>	<u>75</u>	<u>Y</u>	<u>FACW</u>	<b>Hydrophytic Vegetation Indicators:</b> <input checked="" type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 <sup>1</sup> <input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
2. <u>Giant Goldenrod</u>	<u>15</u>	<u>N</u>	<u>FACW</u>		
3. <u>Blue Vervain</u>	<u>5</u>	<u>N</u>	<u>FACW</u>		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
_____ = Total Cover					
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____	<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No _____	
2. _____	_____	_____	_____		
_____ = Total Cover					

Remarks: (Include photo numbers here or on a separate sheet.)

**SOIL**

Sampling Point: 16

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators:**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes  No

Remarks:

*Used Vanarce 5-54 Coland Spillville complex 65% hydric*

**HYDROLOGY**

**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)

- Water-Stained Leaves (B9)
- Aquatic Fauna (B13)
- True Aquatic Plants (B14)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

**Field Observations:**

Surface Water Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Water Table Present? Yes  No  Depth (inches): \_\_\_\_\_  
 Saturation Present? (includes capillary fringe) Yes  No  Depth (inches): \_\_\_\_\_

Wetland Hydrology Present? Yes  No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

*low lying area NC next to a wider stream bank area*



## HIGHLY ERODIBLE LAND CONSERVATION (HEL) AND WETLAND CONSERVATION (WC) CERTIFICATION

(See Page 3 for Nondiscrimination, Public Burden and Privacy Act Statements).

1. Name of Producer <u>Randy Vaala</u>	2. I.D. Number (Last 4 digits only)	3. Crop Year <u>2012</u>
4. Do you have any interest in land that produces or could produce an agricultural commodity? <i>If "YES", or, if you are a Farm Loan Applicant continue with Item 5. If "NO", and you are not a farm loan applicant, go to Item 12 and sign and date.</i>	YES	NO
5. <i>For farm loan applicants only:</i> Will you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes on lands for which a wetland determination has not been completed by NRCS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Are you a landlord or tenant on any farm that will not be in compliance with HELC and WC provisions? <i>If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number: _____ (Contact your county FSA office if you are unsure of the HEL or wetland determinations applicable to your farming interests.)</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Do any of your landlords refuse to comply with HELC requirements on any farms? <i>If "YES", enter the farm number or contact your County FSA Office before completing this form. Farm Number: _____</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. List affiliated persons with farming interests. <i>See Page 3 for an explanation. Enter "NONE", if applicable.</i>		
9. During the crop year entered in Item 3 above, or the term of a requested USDA loan, did you or will you plant and produce an agricultural commodity on land for which a highly erodible determination has not been made?	YES	NO
10. Since December 23, 1985, or during the current crop year, or during the term of a requested USDA loan, has anyone performed, or will anyone perform any activities to:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
A. Create new drainage systems, or conduct land leveling, filling, dredging, land clearing, excavation, or stump removal, that has NOT been evaluated by NRCS? <i>If "YES", indicate year(s): _____</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. Improve or modify an existing drainage system that has NOT been evaluated by NRCS? <i>If "YES", indicate year(s): _____</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C. Maintain an existing drainage system that has NOT been evaluated by NRCS? <i>If "YES", indicate the year(s): _____</i> <small>Note: Maintenance is the repair, rehabilitation, or replacement of the capacity of existing drainage systems to allow for the continued use of wetlands currently in agricultural production and the continued management of other areas as they were used before December 23, 1985. This allows a person to reconstruct or maintain the capacity of the original system or install a replacement system that is more durable or will realize lower maintenance or costs.</small>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. If "YES" to Items 5, 10A and/or 10B or 10C enter the following for the land the answer applies to:		
A. Farm and/or tract/field number: <u>3716 T# 6785</u>		
B. Activity: <u>CRP</u>		
C. Current land use (specify crops): <u>CRP</u>		
D. County: <u>Chickasaw</u>		

A "YES" answer in Items 5, 9 or 10 authorizes FSA to refer this AD-1026 to NRCS. If you check "YES" to Item 10C, NRCS does not have to conduct a certified wetland determination. (Contact your County FSA Office if you are unsure about the answers to Items 5, 9 and 10.)

**Continuous AD-1026 Certification:**

I have read the AD-1026 Appendix and understand and agree that my eligibility for certain USDA program benefits is contingent upon this certification of compliance with highly erodible land and wetland conservation provisions of the Food Security Act of 1985 as amended, and if a determination is made that results in a violation and ineligibility, I agree to refund all applicable payments.

- I agree to the terms and conditions stated on AD-1026 Appendix on all land in which I have or will have an interest and understand that I am responsible for any non-compliance with these provisions.
- I agree that I will file a revised AD-1026 if there are any changes in my operation or activities that may affect compliance with these provisions.
- I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply or file AD-1026 will result in loss of eligibility to persons or enterprises with whom they are affiliated. (See Page 3 of this form for affiliated persons.)

12. Signature of Producer ▶ *I hereby certify that the information on this form is true and correct to the best of my knowledge, and I authorize NRCS to make a HEL and/or certified wetland determination on the tract or farm numbers listed above.*

Randall Z Vaala  
\_\_\_\_\_  
Producer's Signature

11-7-11  
\_\_\_\_\_  
Date (MM-DD-YYYY)

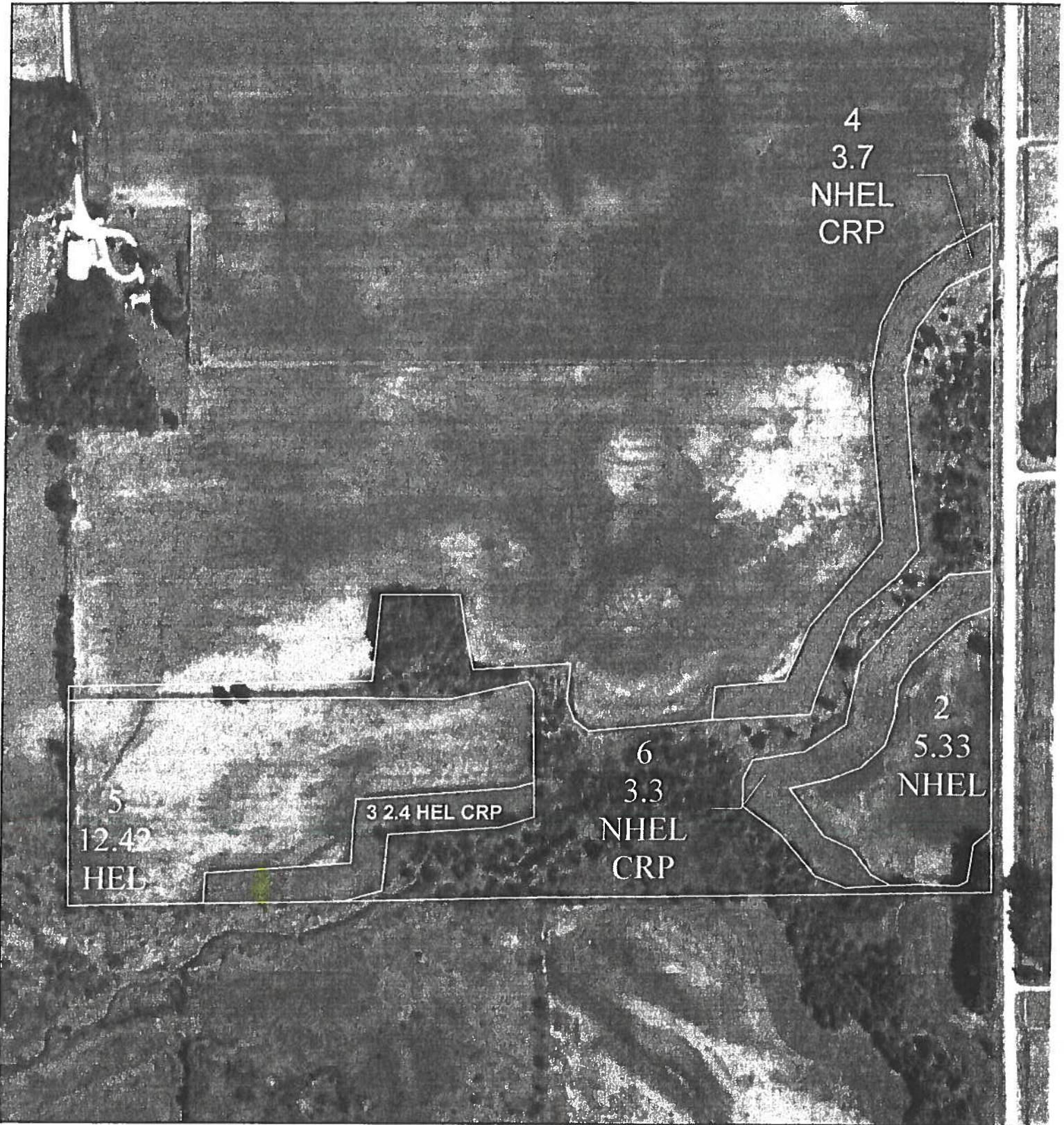
13. Referral to NRCS (Completed by FSA)  
*Sign and date if a NRCS determination is needed for any reason including a "YES" answer in Items 5, 9, 10A, 10B, or 10C.*

13A. Signature of FSA Representative

13B. Date (MM-DD-YYYY)

OK to repair tile CRP - record disturbed area 11-14-11





1 inch equals 371.250000 feet

**Legend**

Field Boundary

**Wetland Determination**

**Wetland Determination Identifiers**

- Restricted Use
- ▽ Limited Restrictions
- Exempt from Conservation Compliance Provisions



CHICKASAW COUNTY FSA

Map Printed: November 26, 2008

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS."





# HIGHLY ERODIBLE LAND CONSERVATION (HELIC) AND WETLAND CONSERVATION (WC) CERTIFICATION

(See reverse for Public Burden and Privacy Act Statements).

1. Name of Producer <i>Randall L. Vaala</i>	2. Identification Number <i>479-72-2946</i>	3. Current Crop Year <i>2003</i>
4. Do the attached AD-1026A(s) list all your farming interest by county, and show current NRCS determinations? <i>If "No", contact your County FSA Office before completing this form.</i>		YES NO <input checked="" type="checkbox"/> <input type="checkbox"/>
5. Are you a landlord on any farm listed on AD-1026A that will not be in compliance with HELC and WC provisions? <i>If "Yes", AD-1026C must be prepared.</i>		<input type="checkbox"/> <input checked="" type="checkbox"/>
6. Does the landlord refuse to comply with HELC requirements on any farms listed on AD-1026A? <i>If "Yes", AD-1026B must be prepared.</i>		<input type="checkbox"/> <input checked="" type="checkbox"/>
7. List here or attach a list of affiliated persons with farming interest. <i>See reverse for an explanation. Enter "None", if applicable.</i>		<input type="checkbox"/> <input checked="" type="checkbox"/>

If items 5 or 6 are answered "YES", circle the applicable farm number on AD-1026A.

8. During the crop year entered in item 3 above, or the term of a requested USDA loan, will you:	YES	NO
(a) plant or produce an agricultural commodity on land for which neither a highly erodible land nor wetland determination has been made?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) plant or produce an agricultural commodity on land on which planting was made possible by drainage, dredging, filling, leveling, or any other means after December 23, 1985, and NRCS has not evaluated and approved the drainage activities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

9. Since December 23, 1985, have you or has anyone on your land, or will you or anyone on your land during the crop year entered in item 3 above, or the term of a requested USDA loan:		
(a) conduct(ed) any land clearing, drainage, (title or open ditch), filling, leveling, or dredging to create a new drainage system that has not been evaluated by NRCS? <i>Indicate year if answered "Yes".</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b) conduct(ed) any drainage activities to maintain, improve, or modify an existing drainage system that has not been evaluated by NRCS? <i>Indicate year if answered "Yes".</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

10. Will you conduct any activities for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural purposes that have not been evaluated by NRCS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--	--------------------------	-------------------------------------

If answers to item 8, 9, or 10 are:

**"YES"** for any one of these items, sign and date in item 11 below. Circle the applicable tract number on AD-1026A, or list in item 12 on AD-1026A. A "YES" answer authorizes FSA to refer this AD-1026 to NRCS to make a HELC and/or certified wetland determination. DO NOT sign in item 13 until the NRCS determination is complete.

**"NO"** for all these items or NRCS determinations are complete, complete item 13.

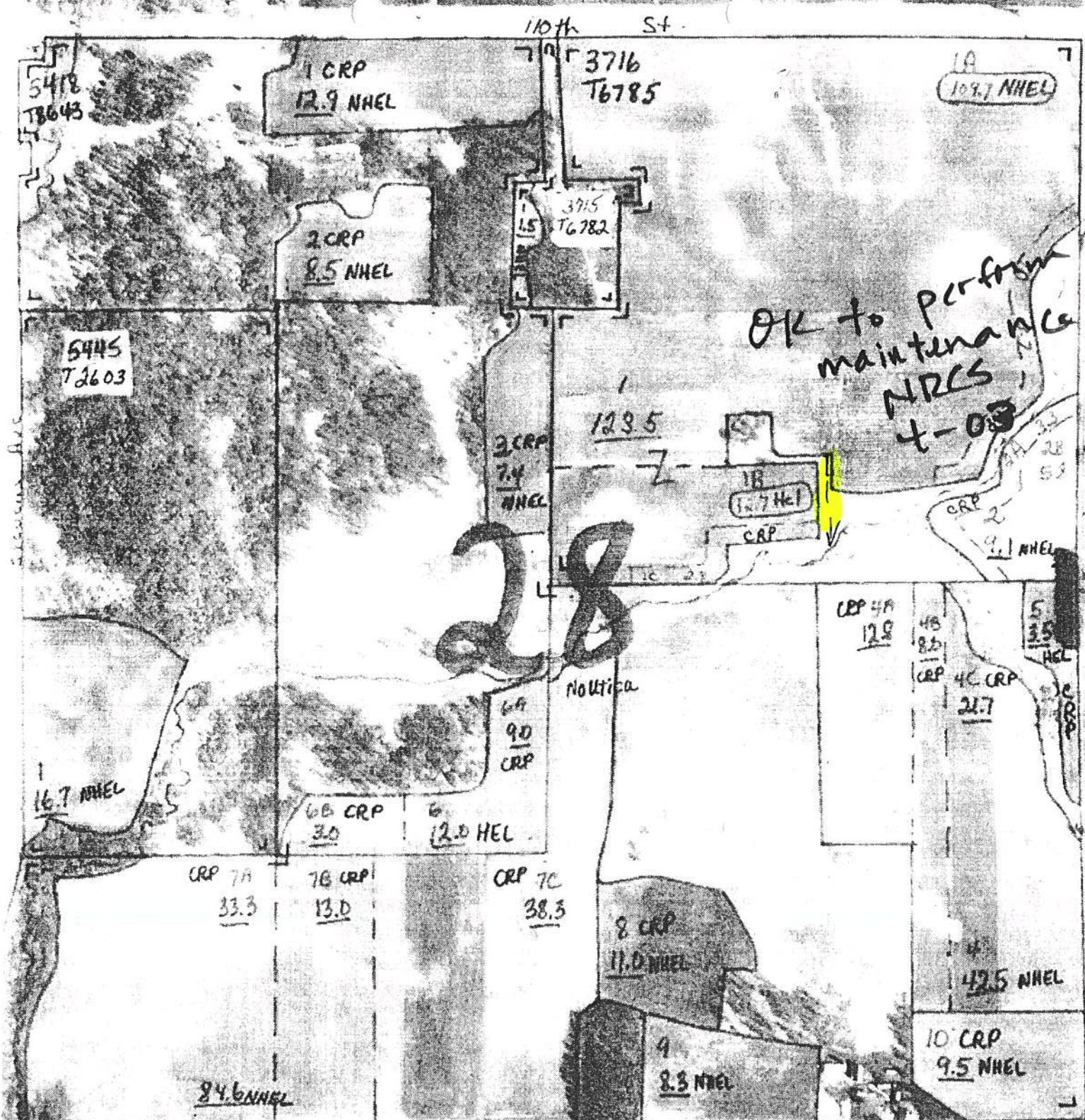
11. Signature of Producer	<i>I hereby certify that the above information and the information on attached AD-1026A's, is true and correct to the best of my knowledge and belief.</i>	
<i>Randall L. Vaala</i>	Date	<i>5-28-03</i>
12. Referral to NRCS (Completed by FSA)	Enter a <input checked="" type="checkbox"/> if a NRCS determination is needed because "Yes" is answered in item 8, 9, or 10.	Signature of FSA Representative
	Date Referred	<i>4/28/03</i>

NOTE: Before signing in item 13, Read AD-1026 Appendix.

<b>Continuous AD-1026 Certification</b>	
I understand and agree that unless I give written notice otherwise, this certification of compliance and agreement shall serve as a continuous certification and agreement for subsequent crop years. That is, as to the current and subsequent crop years:	
<ul style="list-style-type: none"> <li>I agree to the terms and conditions stated on AD-1026 Appendix on all land in which I have or will have an interest.</li> <li>I agree that if there are any changes in my operation or activities that may affect compliance with these provisions, I will file a revised AD-1026.</li> <li>I agree to file any required exemption requests for each applicable crop year.</li> <li>I understand that affiliated persons are also subject to compliance with these provisions and their failure to comply or file AD-1026 will result in loss of eligibility to persons or enterprises with whom they are affiliated. <i>(Affiliated person rules are printed on the reverse of this form.)</i></li> </ul>	
13. Producer Sign Here	Date

This program or activity will be conducted on a nondiscriminatory basis without regard to race, color, religion, national origin, age, sex, marital status, or disability.





NOT TO SCALE (1990 FLIGHT) CHICKASAW COUNTY - CROP YEAR \_\_\_\_\_ N-2



## HIGHLY ERODIBLE LAND CONSERVATION (HELIC) AND WETLAND CONSERVATION (WC) CERTIFICATION

1. Name of Producer <i>Randall Vaala</i>	2. Identification Number <i>474-72-2946</i>	3. Crop Year <i>1995</i>
4. Do the attached AD-1026A(s) list all your farming interests by county, and show current SCS determinations? <i>If "No", contact your County ASCS Office before completing this form.</i>	YES	NO
5. Are you now applying for, or do you have a FmHA insured or guaranteed loan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Do you have a crop insurance contract issued or reinsured by the Federal Crop Insurance Corporation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are you a landlord on any farm listed on AD-1026A that will not be in compliance with HELC and WC provisions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Has a HELC exemption been approved on any farms listed on AD-1026A because the landlord refuses to comply?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. List here or attach a list of affiliated persons with farming interests. <i>See reverse for an explanation. Enter "None", if applicable.</i>		

If items 7 or 8 are answered "YES", circle the applicable farm number on AD-1026A.

**During either the crop year entered in item 3 above, or the term of a requested USDA loan:**

10. Will you plant or produce an agricultural commodity on land for which a highly erodible land determination has not been made?	YES	NO
11. Will you plant or produce an agricultural commodity on any land that is or was a wet area on which planting was made possible by draining, dredging, filling, or leveling or any other means after December 23, 1985?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Will you, or have you since November 28, 1990, made possible the planting of any crop, pasture, agricultural commodity, or other such crop by: (a) converting any wet areas by draining, dredging, filling, leveling, or any other means, or, (b) improving, modifying, or maintaining, an existing drainage system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13. Will you convert any wet areas for fish production, trees, vineyards, shrubs, building construction, or other non-agricultural use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**If answers to items 10, 11, 12, or 13 are:** } "YES" for any one of these items, sign and date in item 14 below. Circle the applicable tract number on AD-1026A, or list tract number in item 12 on AD-1026A. ASCS will refer this AD-1026 to SCS for a determination. DO NOT sign in item 16 until SCS determination is complete.

"NO" for all of these items or SCS determinations are complete, complete item 16.

14. Signature of Producer	<i>I hereby certify that the above information, and the information on attached AD-1026A's, is true and correct to the best of my knowledge and belief.</i> <i>Randall Vaala by Jo Vaala</i>	Date <i>3/14/95</i>
15. Referral To SCS (Completed by ASCS)	Enter a <input checked="" type="checkbox"/> if a SCS determination is needed because "Yes" is answered in item 10, 11, 12, or 13.	Date Referred <i>3-14-95</i>   Signature of ASCS Representative <i>Ann Whitte</i>

**NOTE: Before signing in item 16, Read AD-1026 Appendix.**

16. Signature of Producer	<i>I hereby certify that the above information, and the information on attached AD-1026A's, is true and correct to the best of my knowledge and belief. It is my responsibility to file a new AD-1026 in the event there are any changes in my farming operation(s). In signing this form, I also certify that I have received and will comply with the compliance requirements on AD-1026 Appendix.</i>
17. Remarks:	<i>See attached revised 026 dated 4-25-95</i>

**INSTRUCTIONS FOR ITEM 9 of AD-1026**

The producer requesting benefits on AD-1026 shall attach to AD-1026 a list of the applicable affiliated persons with farming interests who are required to file AD-1026. Follow the rules in this table.

<i>IF producer requesting benefits is a(an) . . .</i>	<i>THEN affiliated persons who must file AD-1026 if they have farming interests are . . .</i>
individual  <b>NOTE:</b> If the individual filing is a minor child, the father and mother shall be listed as affiliates	spouse with separate farming interests, or who receives benefits under their individual ID number.
	minor children with separate farming interests, or who receive benefits under their individual ID number.
	estates, trusts, partnerships, and joint ventures that the individual filing or the individual's spouse or minor children have an interest.
	corporations that the individual filing or the individual's spouse or minor children have more than 20% interest.
general partnership joint venture limited partnership estate revocable trust Indian tribal venture Indian group irrevocable trust	first level members of the entity
corporation with stockholders	first level members with more than 20% interest in the corporation.
State Church or other charitable organization county city public school corporation with no stockholders	none

**KEY TO SCS DETERMINATIONS IN ITEMS 8 THROUGH 11 LISTED ON AD-1026A**

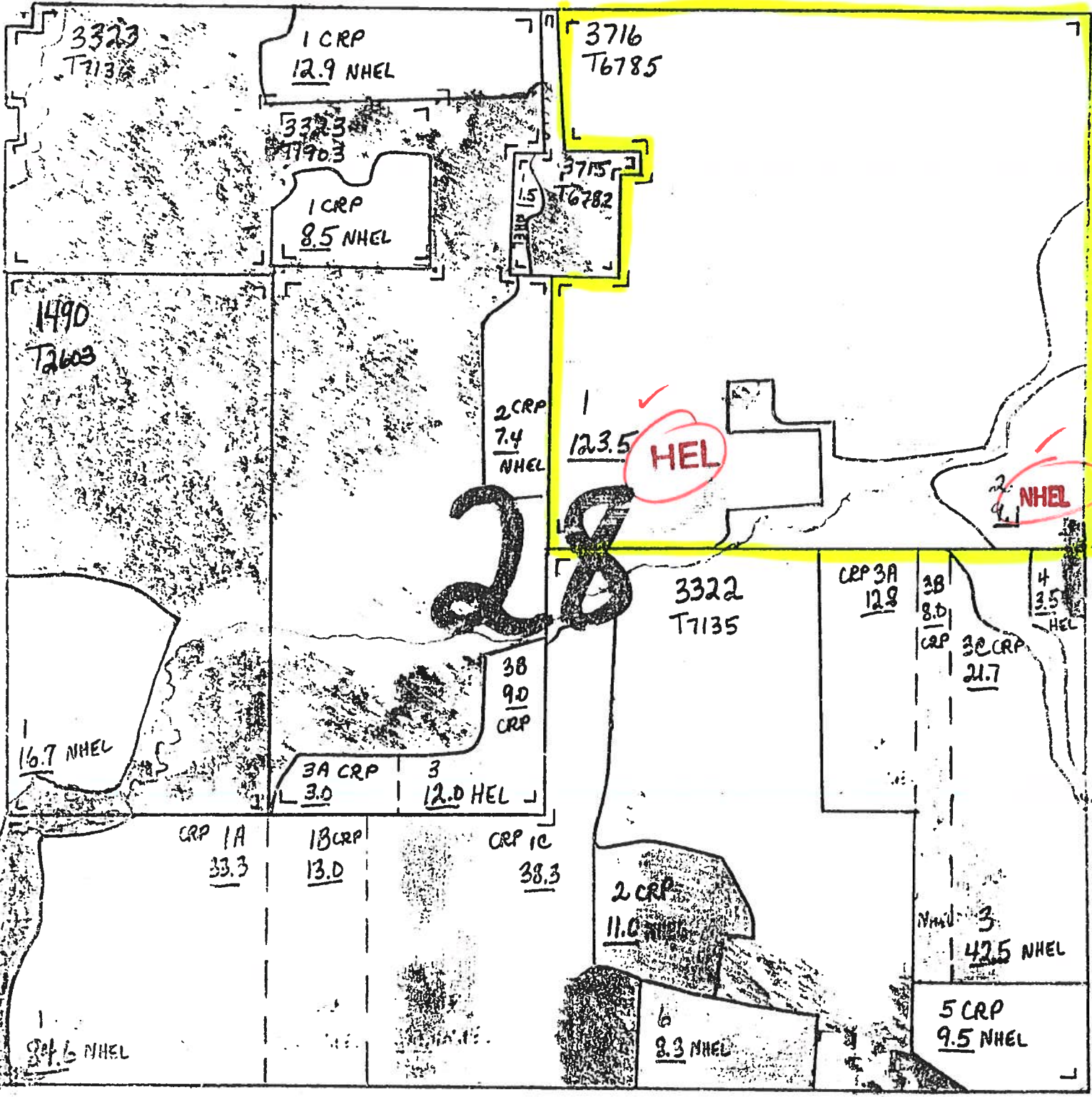
8. **HEL** = Highly Erodible Land:  
**"Y"** = SCS determined highly erodible land.  
**"N"** = SCS determined no highly erodible land.  
**" "** = SCS has not made a determination.

9. **027** = Approved Farm Plan (CPA-027):  
**"Y"** = Tract has an approved farm plan.  
**"N"** = Tract **does not have** an approved farm plan.  
**"X"** = HEL flag is "Y". Producer has a 2-year grace period after soil survey is available to obtain an approved farm plan.

10. **A027** = Applying Farm Plan:  
**"Y"** = Producer is actively applying an approved farm plan.  
**"N"** = Producer is **NOT** actively applying an approved farm plan

11. **W** = Wetlands:  
**"Y"** = SCS determined wetlands on this tract.  
 (\* See footnote.)  
**"N"** = SCS determined no wetlands on this tract.  
**" "** = SCS has not made a wetland determination on this tract.

\* SCS has determined a wetland does exist on this tract. Contact your local SCS office or ASCS office for details concerning the location of the wetlands and restrictions applying to the land according to SCS determination before planting an agricultural commodity or performing any drainage or manipulation on this tract.



3835 T1911      CRP 1A7 56.0      4417

NOT TO SCALE (1990 FLIGHT) CHICKASAW COUNTY - CROP YEAR





99-2

SCS-CPA-026  
(1/87)

HIGHLY ERODIBLE LAND AND WETLAND CONSERVATION DETERMINATION

1. NAME AND ADDRESS OF PRODUCER  
Souda Farm, Ptuship  
Vadala, Konda 11

2. DATE OF REQUEST  
4/14/88

3. NAME OF USDA AGENCY OR PRODUCER REQUESTING DETERMINATION

4. FARM NO. AND TRACT NO. (S)

5. COUNTY

SECTION I - HIGHLY ERODIBLE LAND  
Ascs

1302 76785  
Chickasaw Co

6. Is a soil survey now available for making a highly erodible land determination?

YES  NO  TRACT NO. FIELD NO.(S) TOTAL ACRES

7. Are there highly erodible soil map units on this farm?

YES  NO  TRACT NO. FIELD NO.(S) TOTAL ACRES

a. List highly erodible tract and fields that, according to ASCS records, were used to produce an agricultural commodity in any crop year during 1981-1985.

76785 4 123.5

b. Is an approved conservation plan being actively applied on all of these fields? If "no," list the tract and fields (from the ASCS records) on which a plan is not being applied.

76785 4 15.1

a. List highly erodible tract and fields that, according to ASCS records, have been or will be converted for the production of agricultural commodities, were not used for this purpose in any crop year during 1981-1985, and were not enrolled in a USDA set-aside or diversion program.

76785 4

b. Is an approved conservation system being used on these fields? If "no," list the tract and fields (from the ASCS records) on which a system is not being used.

76785 4

10. Are there other fields or unnumbered areas that (1) have highly erodible map units, (2) were not used to produce an agricultural commodity in any crop year after 1980, and (3) were not enrolled in a USDA set-aside or diversion program in any crop year during 1981-1985?

YES  NO  TRACT NO. FIELD NO.(S) TOTAL ACRES

11. CERTIFICATION: The \_\_\_\_\_ (no.) conservation plan(s) was (were) approved by the \_\_\_\_\_ (no.), \_\_\_\_\_, and conform with technical requirements of the SCS field office technical guide. Conservation systems included in the conservation plan(s) applied \_\_\_\_\_ (no.).

SECTION II - WETLAND

12. Are hydric soils on this farm? If "yes," list tract and fields (from the ASCS records) or unnumbered areas (un) in which they occur.

YES  NO  TRACT NO. FIELD NO.(S) TOTAL ACRES

13. Do fields that were or will be used to produce an agricultural commodity contain wetland? If "yes," list tract and fields, outline the wetland areas within fields on the ASCS photograph(s) and mark with "w" for wetland; "aw" for artificial and irrigation induced wetland; "mw" for wetland on which the conversion would result in minimal effect.

76785 1, 3, 4, 5, 6, 7, 11, 12

14. Are there converted wetlands on this farm that have been converted since December 23, 1985? If "yes," list the tract and fields, outline converted wetlands on the ASCS photograph(s), and mark with "cw".

YES  NO  TRACT NO. FIELD NO.(S) TOTAL ACRES

15. The wetland determination was done in the office  field  .

YES  NO  TRACT NO. FIELD NO.(S) TOTAL ACRES

16. This determination was hand delivered  mailed  to the producer on 4-21-88 (DATE)

YES  NO  TRACT NO. FIELD NO.(S) TOTAL ACRES

Any producer who does not agree with this determination may request reconsideration from the person making this determination. This request is a prerequisite for any further appeal. The request must be in writing and must set forth reasons for the request. The request must be mailed or delivered within 15 days after written notice of the determination is mailed to or otherwise made available to the producer.

17. REMARKS  
Due to HEL ground (5.1 acres) being combined with NHEL ground (90.6 acres) field 1 (123.5 acres) is automatically HEL. 4-25-95 STS  
This OLC for HEL determination only!

18. SIGNATURE OF SCS DISTRICT CONSERVATIONIST

DATE

Assistance and programs of the Soil Conservation Service are available without regard to race, religion, color, sex, age, handicap, or national origin.

