United States Department of Agriculture

NRCS

Natural Resources Conservation Service
6013 Lakeside Blvd.
Indianapolis, IN 46278

VIA CERTIFIED MAIL: RETURN RECEIPT REQUESTED

March 1, 2013

Raymond Helms
6731 N 500 W
McCordsville, IN 46055-9726

Dear Mr. Helm:

This is a **final technical determination** in response to a FSA-569 wetland compliance report referral from Farm Service Agency (FSA) to Natural Resource Conservation Service (NRCS) on September 11, 2012, regarding land under your operation as Farm #5309, Tract #813, of Hancock County, Indiana.

NRCS referenced the case file on this tract to service the FSA-569 and it was determined that the original preliminary determination issued in 2003 for a 2002 AD-1026 request by the previous tenant, had never been issued as a final wetland determination. Therefore, in order to evaluate the tract under the wetland compliance provisions, this FINAL determination is being issued for this track. The remaining appeal rights are also being provided to you as the operator of the tract.

A field visit was conducted by the NRCS State Office to confirm the original findings since the original State Conservationist (STC) review was never completed in 2003. This review is considered a STC review and provides the needed support documentation for the determination to be issued as a FINAL certified determination.

The field visit confirmed that Field #7 supports a predominance of hydrophytic vegetation (wetland plants) under normal circumstances. Normal circumstances refer to the soil and hydrologic conditions that are normally present, without regard to whether the vegetation has been removed. The dominant vegetation on the wetland sites include herbaceous plants, shrubs and trees which are identified in the *National Wetland Plant List* as plants that typically grow in wetlands. The soil profile that was completed in the field met hydric soil field indicators as described in the *Field Indicators of Hydric Soils in the United States*. And, the hydrology of the sites was evaluated. At the time of the field visit, wetland hydrology indicators included three primary and two secondary indicators. This site was also used as the reference site for evaluation of Fields Un1 and Un2, as the vegetation is no longer visible for identification and drainage tile has been added to these locations.

In summary, based on this review, I concur with the determination and labels for Fields #1, 2, 4 and 5 as Prior Converted/Non-Wetland (PC/NW) of 136 acres; Field # 8 as Non-Wetland (NW) of 0.7 acres; Field #7 as Wetland (W) of 1.3 acres; and Fields # Un1 and Un2 as Converted Wetland (CW + 1994), as listed on the attached NRCS-CPA-026e and final determination map.

This determination is in accordance with regulations in 7 CFR, Part 12, and utilizes established procedures for wetland identification in support of the regulation. Exemptions were considered and no other exemptions apply.

This certified wetland determination/delineation has been conducted for the purpose of implementing the wetland conservation provisions of the Food Security Act of 1985. This determination/delineation may not be valid for identifying the extent of the 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, you should request a jurisdictional determination from the local office of the COE prior to starting the work. Other federal, state or local permits or restrictions may apply to activities impacting wetlands. It is recommended that you contact the Indiana Department of Environmental Management and the Indiana Department of Natural Resources before conducting activities in wetlands.

This determination is being issued with my signature as a **certified final technical determination.** You may appeal this final technical determination to ***either*** your local Farm Service Agency (FSA) County Committee (COC) **OR** to the National Appeals Division (NAD). The appeal request must be in writing and post marked within 30 days of the date you signed the U.S. Postal Service "Return Receipt". Please address your appeal request to only **ONE** of the following:

Hancock County FSA County Committee
1101 W. Main Street
Greenfield, IN 46140

OR

USDA - National Appeals Division
P.O. Box 68806
Indianapolis, IN 46268-0806

If you have additional questions on this FINAL NRCS technical determination, please contact Jill Reinhart, Acting Assistant State Conservationist–Farm Bill Programs at 317-295-5883 or MaryJo Woodruff, Appeals Coordinator at 317-295-5811.

Sincerely,

ROGER KULT
Acting State Conservationist

Attachments (NRCS-CPA-026E, map)

cc: Jill Reinhart, Acting Assistant State Conservationist-Programs, NRCS, Indianapolis, IN
· Darrell Nicholson, Area Conservationist, NRCS, North Vernon, IN
· Ashley Linville, District Conservationist, NRCS, Greenfield, IN
· MaryJo Woodruff, Appeals Coordinator-Programs, NRCS, Indianapolis, IN
· Hancock County FSA County Committee, Greenfield, IN

United States Department of Agriculture

Natural Resources Conservation Service

NRCS-CPA-026E
6/2012

HIGHLY ERODIBLE LAND AND WETLAND CONSERVATION DETERMINATION

Name Address:	Raymond Lee Helms 6731 N 500 W McCordsville, IN 46055-9726	Request Date:	9/11/12 FSA-569	County:	Hancock
Agency or Person Requesting Determination:	Farm Service Agency	Tract No:	813	FSA Farm No.:	5309

Section I - Highly Erodible Land

Is a soil survey now available for making a highly erodible land determination?	Yes
Are there highly erodible soil map units on this farm?	No

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, Un1, Un2, 2	No	No	100.2	1/3/2013
4, 5	No	No	38.4	1/3/2013
7	No	Yes	1.3	1/3/2013
8	No	Yes	0.7	1/3/2013

The Highly Erodible Land determination was completed in the Office.

Section II - Wetlands

Are there hydric soils on this farm?	Yes

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, 2, 4, 5	PC/NW		136	1/15/2013	3/01/2013
Un1	CW+year	1994	0.7	1/15/2013	3/01/2013
Un2	CW+year	1994	1.9	1/15/2013	3/01/2013
7	W		1.3	1/15/2013	3/01/2013
8	NW		0.7	1/15/2013	3/01/2013

The wetland determination was completed in the field. It was mailed to the person on 3/01/2013.

Remarks:	This FINAL wetland determination combines all prior determinations with current acres as reflected on the FSA Common Land Unit (CLU) as applicable. FSA-569 submitted to NRCS on 9/11/2012 revealed a 2002 request which never processed via the requested STC review.

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

Signature Designated Conservationist	Date
Roger Kelt	3/1/2013

Wetland Labels and Uses (June 2012 version)

Portions taken from National Food Security Act Manual, 5th edition Part 514.60

Name & Label	Criteria for Determination	Authorized Uses	Authorized Maintenance	NFSAM Citation
(AW) Artificial Wetland	Created wetlands on areas that were previously non-wetland.	No restrictions.	No restrictions.	Part 514.12
(CPD) COE Permit w/ Mitigation	Converted wetland is exempt because the activity is authorized by a COE permit and satisfies the mitigation requirements of the Act.	Per COE permit conditions.	Per COE permit conditions.	Part 515.10
(CW) Converted Wetland	Converted after December 23, 1985 and prior to before November 28, 1990.	Production of agricultural commodities or additional manipulation will cause ineligibility.	Maintenance allowed to scope and effect of original manipulation.	Part 514.40
(CW) Wetland Converted by county, drainage district, or similar entity.	Converted after December 23, 1985, by drainage district or other entity and beyond a person's direct control, but not considered third party (TP).	Production of agricultural commodities or forage for mechanical harvest or additional manipulation will cause ineligibility.	Maintenance allowed to original scope and effect of system before conversion.	Part 514.40
(CW+year) Converted wetland	Converted after November 28, 1990.	Conversion causes ineligibility, regardless of whether production of agricultural commodity occurred.	Not applicable	Part 514.40
(CWTE) Converted Wetland Technical Error	An area converted after December 23, 1985, where the conversion or production of an agricultural commodity was a consequence of an incorrect NRCS determination.	May be used for production of agricultural commodities or forage provided no manipulation is done beyond what existed as of the date of the CWTE determination.	May be maintained to the extent that existed on date of the CWTE determination.	Part 514.41
(FW) Farmed Wetland	Manipulated and used for the production of an agricultural commodity as of December 23, 1985. If the area is not a pothole, playa, or pocosin, it is inundated for at least 15 consecutive days during the growing season or 10 percent of the growing season, whichever is less, in most years. If the area is a pothole, playa, or pocosin, it is inundated for at least 7 consecutive days or saturated for at least 14 consecutive days during the growing season in most years. Not abandoned.	May be used for production of agricultural commodities or forage.	May be maintained to the extent that existed before December 23, 1985, if "as built" records exist. May be maintained to the extent that existed on December 23, 1985, if no "as built" records exist.	Part 514.31
(FWP) Farmed Wetland Pasture and Hayland	Manipulated and used for pasture or hay as of December 23, 1985. Is inundated for at least 7 consecutive days or saturated for 14 days during the growing season. Not abandoned.	May be used for production of agricultural commodities or forage.	May be maintained to the extent that existed before December 23, 1985, if "as built" records exist. May be maintained to the extent that existed on December 23, 1985, if no "as built" records exist.	Part 514.32
(MIW) Mitigation Exemption	Converted wetland is exempt because mitigation has occurred according to an NRCS-approved plan. Wetland where a mitigation exemption is granted (wetland to be manipulated).	As stipulated in the mitigation agreement.	As stipulated in the mitigation agreement.	Part 515.10
(MW) Minimal Effect Exemption	Converted wetland is exempt because conversion is determined to have a minimal effect, individually and cumulatively, on the wetland functions in the watershed.	As stipulated in the minimal effect agreement, if applicable.	Only those activities stipulated in the minimal effect agreement, if applicable.	Part 515.0

Name & Label	Criteria for Determination	Authorized Uses	Authorized Maintenance	NFSAM Citation
(MWM) Mitigation Site	Site of wetland restoration, enhancement, or creation serving as mitigation for MW site.	As stipulated in Mitigation Plan/Agreement.	As stipulated in Mitigation Plan/Agreement	Part 515.10
(NW) Nonwetland	Does not meet wetland criteria. Also includes wetlands converted before December 23, 1985, but a commodity crop was not produced and the area does not meet wetland criteria. The area has not been abandoned.	No restrictions.	No restrictions unless manipulation would convert Adjacent wetlands.	Part 514.20
(PC) Prior Converted Cropland	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.	No restrictions.	No restrictions unless manipulation would convert Adjacent wetlands.	Part 514.30
(PC/NW)	An area that contains PC and/or NW from older determinations.	No restrictions.	No restriction unless manipulation would convert adjacent wetlands.	Part 514.20 Part 514.30
(TP) Third Party Exemption	A wetland converted after December 23, 1985, by a third party who is not associated with the participant, and without the participant's collusion, fraud, scheme or device. A third party does not include predecessors in interest on the tract or drainage districts or other local government entities.	May be used for production of agricultural commodities or forage.	Further drainage improvement will cause ineligibility.	Part 514.42
(W) Wetland	Meets wetland criteria. Not converted after December 23, 1985. Also, includes areas previously identified as FW or FWP, which have been abandoned.	May be farmed under natural conditions without removal of woody vegetation.	At level needed to maintain original system on FW, FWP, and PC. Must not convert Additional wetlands or exceed original scope and effect of drainage system.	Part 514.10
(WX) Wetlands that have been manipulated	Wetlands that have been manipulated but not for the purpose of or making possible production of an agricultural commodity.	Would cause ineligibility if production was later made possible.	No restrictions as long as production not made possible including on an adjacent wetland.	Part 514.11

Current Labels: The above are the ONLY labels that are authorized for use when making a certified wetland determination in accordance with the National Food Security Act Manual, 5th edition.

ADDITIONAL INFORMATION

PAST LABELS: Previous editions of the National Food Security Act Manual contained labels that will not be used for certified determinations completed after the effective date of this manual (November 2010). These labels may be shown for previous determinations and maintained in the Customer Service Toolkit.

(CC)Commenced Conversion: Conversion began before December 23, 1985, and was approved by FSA, conversion activity was completed by January 1, 1995. Authorized Uses: No restrictions provided activities were completed per conditions. Authorized Maintenance: As stipulated in the agreement.
(CMW) Categorical Minimal Effect: Activity or practice is conducted per the approved list identified in the Federal Register. Authorized Uses: Per conditions of the approved state specific list. Authorized Maintenance: Per conditions of the approved list.
(CWNA) Converted Wetland for Nonagricultural Purposes: Authorized Uses: Production of agricultural commodities will cause ineligibility. Authorized Maintenance: No restrictions.
Easement site + label: Area that has been created, restored, or enhanced under an agreement to allow conversion and cropping of another wetland. Authorized Uses: As specified in agreement. Authorized Maintenance: As specified in agreement.
(NI) Not Inventoried: Used when a wetland determination is not conducted. Authorized Uses: Can determine only after a certified wetland determination is completed for the area labeled NI. Authorized Maintenance: Can determine only after a certified wetland determination is completed for the area labeled NI.
(OW) other waters of the United States: Areas that the COE have taken jurisdiction of under the Clean Water Act. Only use with COE decision/guidance. Authorized Uses: As per COE permit. Authorized Maintenance: As per COE permit.

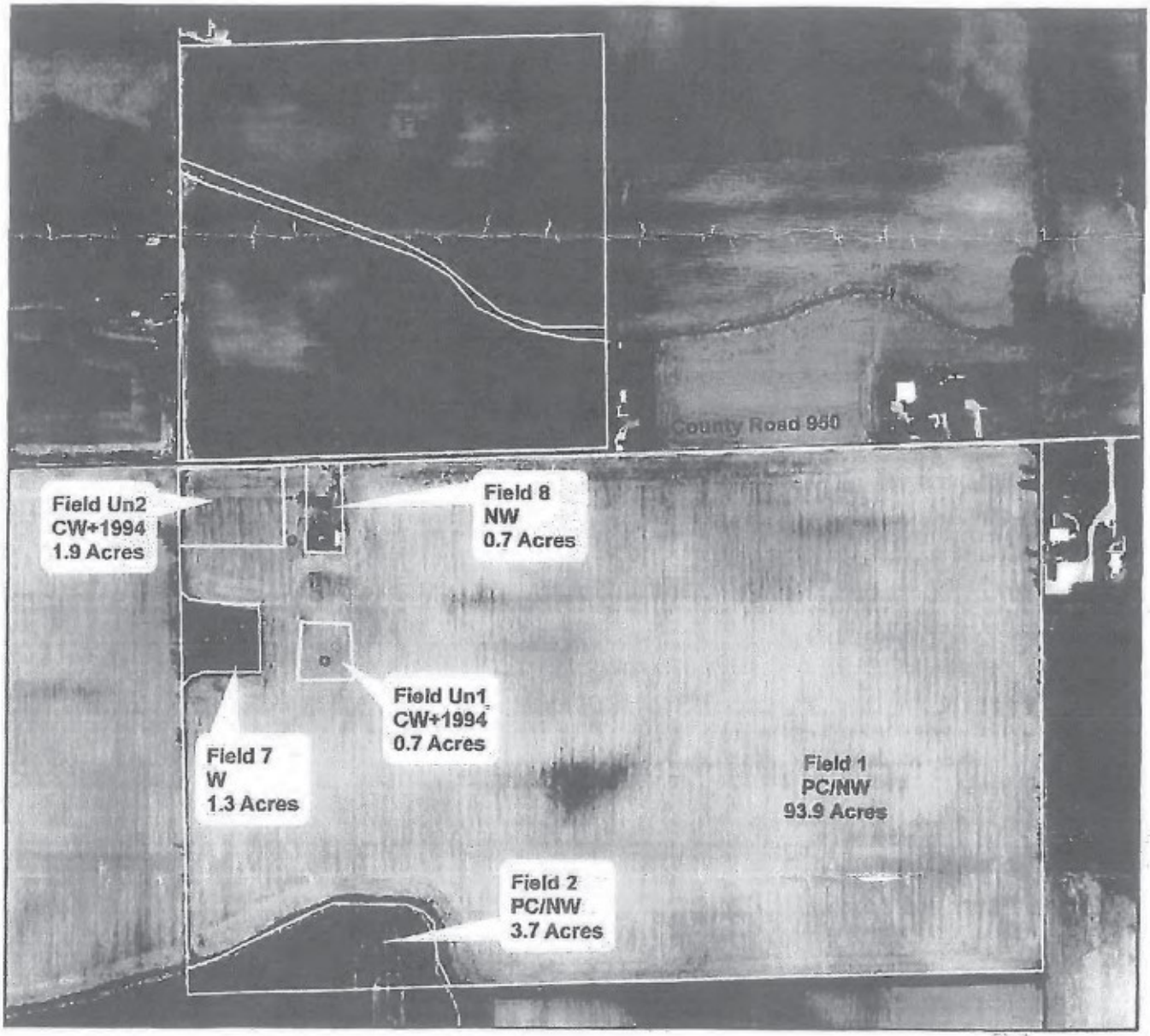
Obvious Wetlands (514.41B,): CWTE does not apply to obvious wetlands. An obvious wetland is an area that is continuously inundated or saturated for long periods of time during the growing season to such an extent that access by foot to make a determination of predominance of hydric soils or prevalence of hydrophytic vegetation is not feasible. [7 CFR 12.6 (c)(8)] Additionally, wetland sites that are cropped or have had forage harvested by mechanical means less than 5 out of 10 years because of ponding, flooding, or saturation are obvious wetlands.

Final Wetland Determination

Date: 1/14/2013

Customer(s): RAYMOND LEE HELMS
Hancock County: Farm #5309 Tract #813

Agency: USDA-NRCS
Assisted By: Rick Neilson and Jerry Roach



Legend

- Sampling Points
- Field Boundary
- street_dm_l_in059

360 0 360 720 1,080 1,440 Feet

13 APR 23 AM 10

Project/Site Farm No. 5309 Tract No. 813 County: Hancock Date: 1/15/2013

Applicant/Owner: Ray Helm State: Indiana Sampling point: Pt. 1 (Un2)

Investigator: Rick Neilson Township, Range, Section T17N, R6E, Sec 15

Landform (hillslope, terrace, etc.) Till Plain Local relief (concave, convex, none): concave

Slope (%) 1 UTMe UTMn Datum: NAD 83

Soil Map Unit Name: Br - Brookston Silty Clay Loam NWI classification: None

Are climatic/hydrologic conditions on the site typical for this time of year? Yes IF no explain

Are Vegetation, soils, or hydrology significantly disturbed? Yes

Are Vegetation, soils, or hydrology naturally problematic? No Are "Normal Circumstances" Present? No

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation present? Yes

Hydric Soil Present? Yes Is the Sampled area within a Wetland? Yes

Wetland hydrology Present? Yes

Remarks: *The site has been cleared, drained and is currently farmed. Field Un 2 was a converted wetland in 1994 (see Atypical Situation Data Sheet). A comparison site (reference site) to the south (Field 7) was used to determine Vegetation and Hydrology as per policy from Circular 6, Part 527, Appendix (2-4), (2-15), (5-28), (5-66), (5-70), 7CFR section 12.31(b)(2)(ii) and the 1987 COE Manual, Section F. Atypical Situation. Ken Collins, 5/3/2013*

VEGETATION - Use scientific names of plants

Tree Stratum	Plot size: 30 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
Quercus palustris		10%	Yes	FACW
Quercus bicolor		10%	Yes	FACW
Celtis occidentalis		10%	Yes	FAC
Fraxinus pennsylvanica		10%	Yes	FACW
Populus deltoides		10%	Yes	FAC
		50%	= Total cover	

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, OR FAC: 7

Total Number of dominant Species Across All Strata: 8

Percent of Dominant Species that are OBL, FACW, OR FAC: 87.5

Sapling/Shrub Stratum	Plot size: 15 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
Celtis occidentalis		10%	Yes	FAC
Morus rubra		10%	Yes	FACU
Fraxinus pennsylvanica		5%	Yes	FACW
Crataegus spp.			No	N/A
		25%	= Total cover	

Prevalance Index Worksheet:

total % cover of:		Multiply by:	
OBL species		x 1 =	0
FACW species		x 2 =	0
FAC species		x 3 =	0
FACU species		x 4 =	0
UPL species		x 5 =	0
totals			0

Prevalence Index =

Herb Stratum	Plot size: 5 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
Cinna arundinacea			No	FACW
Carex spp.			No	N/A
		0%	= Total cover	

Hydrophytic Vegetation Indicators:

- Rapid Test for Hydrophytic Vegetation
- √ Dominance Test is >50%
- Prevalence Index is ≤3.0
- Morphological Adaptaions (provide Supporting data in Remarks or on Separate sheet)
- Problematic Hydrophitic Vegetation (explain)

Woody Vine Stratum	Plot size: 30 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
		0%	= Total cover	

Hydrophytic Vegetation Present? Yes

Remarks: *Vegetation data from Field 7 (sampling points 2-3) was used for a comparison site as per policy.*

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

Depth (in)	Matrix Color (moist)	%	Redox Features Color (moist)	%		Type	Location	Texture	Remarks
0-8	10YR 3/1	100						Sil	
8-20	10YR 4/1	85	10YR 5/6	15		C	M	CL	

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or coated sand grains. Location: PL=Pore lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2cm Muck (A10)
- √ Depleted Below Dark surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5cm 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)
- ___ Other (Explain in Remarks)

Indicators for Problematic Hydric Soils[3]:

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

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (in): ___

Hydric soil Present? Yes

Remarks: *Hydric soils are present.*

Hydrology

Wetland Hydrology Indicators (check all that apply:

Primary Indicators (Minimum of one is required)

- √ 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 Imagery (B7)
- ___ Sparsely veg. 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 (Min. of two is required)

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

Field Observations:

		(inches)
Surface water Present?	Yes	Depth: 3-4 in.
Water Table Present?	Yes	Depth: 3 in.
Saturation Present? (Includes Capillary fringe)	Yes	Depth: 0 in.

Wetland hydrology Present? Yes

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

Remarks: *There is evidence that water collected at the surface after recent heavy rains. Drainage tile has been added to the site. Hydrology data from comparison site Field 7 (sampling points 2-3) was used for hydrology as per policy.*

Project/Site Farm No. 5309 Tract No. 813 County: Hancock Date: 1/15/2013

Applicant/Owner: Ray Helm State: Indiana Sampling point: Pt. 4 (Un1)

Investigator: Rick Neilson Township, Range, Section T17N, R6E, Sec 15

Landform (hillslope, terrace, etc.) Till Plain Local relief (concave, convex, none): concave

Slope (%) 1 UTMe UTMn Datum: NAD 83

Soil Map Unit Name: Br - Brookston Silty Clay Loam NWI classification: None

Are climatic/hydrologic conditions on the site typical for this time of year? Yes IF no explain

Are Vegetation, soils, or hydrology significantly disturbed? Yes

Are Vegetation, soils, or hydrology naturally problematic? No Are "Normal Circumstances" Present? No

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation present? Yes

Hydric Soil Present? Yes Is the Sampled area within a Wetland? Yes

Wetland hydrology Present? Yes

Remarks: *The site has been cleared, drained and is currently farmed. Field Un 1 was a converted wetland in 1994 (see Atypical Situation Data Sheet). A comparison site (reference site) to the south (Field 7) was used to determine Vegetation and Hydrology as per policy from Circular 6, Part 527, Appendix (2-4), (2-15), (5-28), (5-66), (5-70), 7CFR section 12.31(b)(2)(ii) and the 1987 COE Manual, Section F. Atypical Situation. Ken Collins, 5/3/2013*

VEGETATION - Use scientific names of plants

Tree Stratum	Plot size: 30 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
Quercus palustris		10%	Yes	FACW
Quercus bicolor		10%	Yes	FACW
Celtis occidentalis		10%	Yes	FAC
Fraxinus pennsylvanica		10%	Yes	FACW
Populus deltoides		10%	Yes	FAC
		50%	= Total cover	

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, OR FAC: 7

Total Number of dominant Species Across All Strata: 8

Percent of Dominant Species that are OBL, FACW, OR FAC: 88

Sapling/Shrub Stratum	Plot size: 15 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
Celtis occidentalis		10%	Yes	FAC
Morus rubra		10%	Yes	FACU
Fraxinus pennsylvanica		5%	Yes	FACW
Crataegus spp.				#N/A
		25%	= Total cover	

Prevalance Index Worksheet:

total % cover of:		Multiply by:	
OBL species		x 1 =	0
FACW species		x 2 =	0
FAC species		x 3 =	0
FACU species		x 4 =	0
UPL species		x 5 =	0
totals			0

Prevalence Index =

Herb Stratum	Plot size: 5 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
Cinna arundinacea				FACW
Carex spp.				#N/A
		0%	= Total cover	

Hydrophytic Vegetation Indicators:

- Rapid Test for Hydrophytic Vegetation
- √ Dominance Test is >50%
- Prevalence Index is ≤3.0
- Morphological Adaptaions (provide Supporting data in Remarks or on Separate sheet)
- Problematic Hydrophitic Vegetation (explain)

Woody Vine Stratum	Plot size: 30 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
		0%	= Total cover	

Hydrophytic Vegetation Present? Yes

Remarks: *Vegetation data from field 7 (sampling points 2-3) was used for a comparison site as per policy.*

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

Depth (in)	Matrix Color		Redox Features					Texture	Remarks
	Color (moist)	%	Color (moist)	%		Type	Location		
0-8	10YR 3/1	100						Sil	
8-20	10YR 4/1	85	10YR 5/6	15		C	M	CL	

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or coated sand grains. Location: PL=Pore lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2cm Muck (A10)
- √ Depleted Below Dark surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5cm 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)
- ___ Other (Explain in Remarks)

Indicators for Problematic Hydric Soils[3]:

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

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (in): ___

Hydric soil Present? Yes

Remarks: *Hydric soils are present.*

Hydrology

Wetland Hydrology Indicators (check all that apply:

Primary Indicators (Minimum of one is required)

- √ 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 Imagery (B7)
- ___ Sparsely veg. 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 (Min. of two is required)

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

Field Observations:

		(Inches)
Surface water Present?	Yes	Depth: 3-4 in.
Water Table Present?	Yes	Depth: 3 in.
Saturation Present? (Includes Capillary fringe)	Yes	Depth: 0 in.

Wetland hydrology Present? Yes

see remarks

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

Remarks:

There is evidence that water collected at the surface after recent heavy rains. Drainage tile has been added to the site. Hydrology data from comparison site Field 7 (sampling points 2-3) was used for hydrology as per policy.

Project/Site Farm No. 5309 Tract No. 813 County: Hancock Date: 1/15/2013

Applicant/Owner: Ray Helm State: Indiana Sampling point: 2-3 (Comparison site)

Investigator: Rick Neilson Township, Range, Section T17N, R6E, Sec 15

Landform (hillslope, terrace, etc.) Till Plain Local relief (concave, convex, none): concave

Slope (%) 1 UTMe UTMn Datum: NAD 83

Soil Map Unit Name: Br - Brookston Silty Clay Loam NWI classification: None

Are climatic/hydrologic conditions on the site typical for this time of year? Yes IF no explain

Are Vegetation, soils, or hydrology significantly disturbed? No

Are Vegetation, soils, or hydrology naturally problematic? No Are "Normal Circumstances" Present? Yes

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation present? Yes

Hydric Soil Present? Yes Is the Sampled area within a Wetland? Yes

Wetland hydrology Present? Yes

Remarks: *Location is classified as a wetland, see wetland map, based on the criteria set forth using current policy. This is the comparison (reference) site for sampling points 1(Un2) and 4 (Un1).*

VEGETATION - Use scientific names of plants

Tree Stratum	Plot size: 30 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
Quercus palustris		10%	Yes	FACW
Quercus Bicolor		10%	Yes	FACW
Celtis occidentalis		10%	Yes	FAC
Fraxinus pennsylvanica		10%	Yes	FACW
Populus deltoides		10%	Yes	FAC
		50%	= Total cover	

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, OR FAC: 7

Total Number of dominant Species Across All Strata: 8

Percent of Dominant Species that are OBL, FACW, OR FAC: 87.5%

Sapling/Shrub Stratum	Plot size: 15 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
Celtis occidentalis		10%	Yes	FAC
Morus rubra		10%	Yes	FACU
Fraxinus pennsylvanica		5%	Yes	FACW
Crataegus sp.			No	
		25%	= Total cover	

Prevalance Index Worksheet:

total % cover of:		Multiply by:	
OBL species		x 1 =	0
FACW species		x 2 =	0
FAC species		x 3 =	0
FACU species		x 4 =	0
UPL species		x 5 =	0
totals	0		0

Prevalence Index = #DIV/0!

Herb Stratum	Plot size: 5 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
Cinna arundinacea				FACW
Carex sp.				#N/A
		0%	= Total cover	

Hydrophytic Vegetation Indicators:

- Rapid Test for Hydrophytic Vegetation
- √ Dominance Test is >50%
- Prevalence Index is ≤3.0
- Morphological Adaptaions (provide Supporting data in Remarks or on Separate sheet)
- Problematic Hydrophitic Vegetation (explain)

Woody Vine Stratum	Plot size: 30 ft radius	Absolute % Cover	Dominant Species?	Indicator Status
		0%	= Total cover	

Hydrophytic Vegetation Present? Yes

Remarks: *Percent vegetative cover data is based upon a visual estimation of the dominant plants over the entire community.*

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

Depth (in)	Matrix Color		Redox Features					Texture	Remarks
	Color (moist)	%	Color (moist)	%		Type	Location		
0-11	10YR 3/1	100						Sil	
11-20	10YR 5/1	80	10YR 5/6	10		C	M	CL	
			10YR 4/6	10		C	M		

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or coated sand grains. Location: PL=Pore lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2cm Muck (A10)
- √ Depleted Below Dark surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5cm 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)
- ___ Other (Explain in Remarks)

Indicators for Problematic Hydric Soils[3]:

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

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (in): ___

Hydric soil Present? Yes

Remarks: *Hydric soils are present.*

Hydrology

Wetland Hydrology Indicators (check all that apply:

Primary Indicators (Minimum of one is required)

- √ 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 Imagery (B7)
- ___ Sparsely veg. 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 (Min. of two is required)

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

Field Observations:

Surface water Present? Yes Depth: 3-4 in (inches)

Water Table Present? Yes Depth: 3 in.

Saturation Present? Yes Depth: 0 in.

Includes Capillary fringe)

Wetland hydrology Present? Yes

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

Remarks: *There is evidence that water collected at the surface after recent heavy rains.*

ATYPICAL SITUATION DATA SHEET

Person	Ray Helm	**County**	Hancock
Tract Number	813	**Farm Number**	5309
Field(s)	Un1 and Un2	**Date**	5/3/2013
Location	See attached map – Final Wetland Determination		
Completed By	Ken Collins, 5/3/2013		

A. VEGETATION

1. Type of alteration: Un1 and Un2 were cropped when Karen visited the site in October 2002. Karen documented that woody vegetation was removed from Un1 and Un2 and they were both cropped in 1994 from her slide review in 2002. Un1 and Un2 are currently being managed as cropland as noted by Rick Neilson from his site visit on 1/15/2013 as documented on MW COE Data Forms.
2. Effect on Vegetation: All previously herbaceous and woody vegetation was destroyed.
3. Previous Vegetation: Remote sensing (slide review by Karen Hauer) indicates that the sites previously contained non-agricultural vegetation. Both sites contain hydrophytic vegetation using a comparison site, see MW COE Data Form, Sampling point 2-3 (Field 7) and comparison notes under item D.
4. Hydrophytic Vegetation? ☒ Yes ☐ No from MW COE Data Form, Sampling point 2-3 (Field 7).
Notes: Karen documented that the site contained wetland vegetation on her 1987 COE Data Forms. Site also meets SCS 1994 mapping conventions for hydrophytic vegetation from her slide review documentation.

B. SOILS

1. Type of alteration: Soils were minimally disturbed from land clearing and the site was not filled.
2. Effect on Soils: Minimal impact and the soils are currently hydric.
3. Previous Soils: N/A
4. Hydric Soils? ☒ Yes ☐ No
5. Soil Borings: see MW COE Data Form – sampling point 1 (Un2) and sampling point 4 (Un1)

C. HYDROLOGY

1. Type of alteration: Site was drained allowing crop production.
2. Effect on Hydrology: Hydrology was removed.
3. Previous Hydrology: Remote sensing indicates that the site previously contained non-agricultural vegetation and this is a hydrology indicator using the SCS 1994 mapping conventions and current NRCS policy contained in Circular 6 (1-5), (2-13), (5-16) . In addition, the reference site contains wetland hydrology (see comparison site data, COE MW Form sampling point 2-3, Field 7)
4. Wetland Hydrology? ☒ Yes ☐ No

D. ADDITIONAL DOCUMENTATION

Wetland Label: Un1 is CW+1994 (0.7 acres) and Un 2 is CW+1994 (1.9 acres).
Comparison Site (reference site) to the south (Field 7) was used to determine Vegetation and Hydrology as per policy from Circular 6, Part 527, Appendix (2-4), (2-15), (5-28), (5-66), (5-70), 7CFR section 12.31(b)(2)(ii) and the 1987 COE Manual, Section F. Atypical Situation Notes: Karen Hauer documented that the Un1 and Un2 met wetland criteria using the 1987 COE Manual in October 2002.