6-10-24

Bielinski Homes John Donovan 1830 Meadow Lane, Suite A Pewaukee, WI 53072

Dear Mr. Donovan:

Wetland & Waterway Consulting (WWC) has conducted a wetland delineation on property located in Sec.3, T5N, R17E, Town of Eagle, Waukesha County. The delineation was conducted on 5-29-24 and 5-31-24 at your request. This site is under consideration for future development; therefore, location of the wetlands prior to construction is necessary. The purpose of the delineation was to identify and flag all wetlands within the boundaries identified on the attached maps.

<u>Investigators</u>

Dave Meyer, lead delineator, is an independent environmental consultant providing wetland delineations, environmental permitting services, PEC/SEC/INRA delineations, site assessments, and planning advice. He obtained a master's degree in Natural Resources Management from Southern Illinois University-Carbondale in 1977. Mr. Meyer has held technical and administrative positions in wetland and water resources specialties with the Wisconsin Department of Natural Resources and the U.S. Army Corps of Engineers. He has satisfactorily completed the Reg IV Wetland Delineation training offered by the U.S. Army Corps of Engineers, the Advanced Wetland Delineation training conducted by the University of Wisconsin-LaCrosse in 2002 and 2007, the USACOE/WIDNR 1987 Wetland Delineation Manual Midwest Region Supplement Training in 2009, the USACOE/WIDNR 1987 Wetland Delineation Manual Northcentral/Northeast Region Supplement Training in 2010, the Basic Hydric Soil ID training conducted by the University of Wisconsin-LaCrosse in 2011, SEWRPC's Environmental Corridor Delineation Workshops in 2004 and 2015, and the Wetland Training Institute's Advanced Hydrology for Jurisdictional Determinations in 2016 and the Federal Wetland/Waters Regulatory Policy in 2019. Mr. Meyer is recognized by the Wisconsin Department of Natural Resources as an Assured Delineator.

Kristi Sherfinski, of Helianthus LLC, has over 17 years of experience delineating wetlands in the Great Lakes Region. She received her initial basic wetland training at the Wetland Training Institute in Hastings, Michigan in 2002. Kristi worked as a project manager and wetland delineator at JFNew & Associates in Grand Haven, Michigan for six years, conducting wetland delineations in Michigan, Indiana, Illinois, and Wisconsin. Kristi then moved to Wisconsin to work for the Southeastern Wisconsin Regional Planning Commission (SEWRPC) with Dr. Donald Reed. At SEWRPC, Kristi updated the Wisconsin Wetland Inventory (WWI) in 2005 and in 2010 for the seven-county area of southeast Wisconsin. Kristi participated in the Advanced Wetland Delineation training in 2006. In 2009, she attended the Wetland Delineation USACE Regional Supplement training session, the Environmental Corridor Delineation Workshop, and the Farm Service Agency (FSA) Slide Review training session. Kristi started her own independent

environmental consulting firm in 2018 and became recognized as an Assured Delineator in 2019.

Methods

The site visit was conducted according to the guidelines identified in the U.S. Army Corps of Engineers' 1987 manual and the Northcentral/Northeast Regional Supplement. The plot size used was a 30 foot radius circle for trees, shrub/saplings, and woody vines, and a 15 foot radius circle for herbaceous vegetation.

Sampling points were located in the areas that exhibited wetland characteristics as well as upland characteristics. Data was collected on the vegetation, soils, and hydrology at each sampling point. The wetlands were identified using the technical approach described in the USACOE 1987 Manual. The wetland boundary was flagged using breaks in topography, transitions between hydric and upland vegetation, identification of wetland hydrology, and the presence of hydric soils. Roadside ditches and other drainage ditches internal to the site were identified if they displayed hydric vegetation. Wetland delineators are given latitude to use best professional judgement in applying wetland indicators between adjacent regions. On page 4 of the Midwest Manual and page 5 of the Northcentral/Northeast Manual it states, "Region boundaries are depicted in Figure 1 as sharp lines. However, climatic conditions and the physical and biological characteristics of landscapes do not change abruptly at the boundaries. In reality, regions and subregions often grade into one another in broad transition zones that may be tens or hundreds of miles wide. The lists of wetland indicators presented in these Regional Supplements may differ between adjoining regions or subregions. In transitional areas, the investigator must use experience and good judgment to select the supplement and indicators that are appropriate to the site based on its physical and biological characteristics." Utilizing this guidance and best professional judgement, Kentucky bluegrass (Poa pratensis) was treated as a FAC species rather than a FACU species during this delineation. This species was found growing robustly alongside FACW and OBL species in saturated soil conditions throughout the flagged wetlands, and was obviously acting as a hydrophyte.

In addition, an FSA crop history slide review was undertaken prior to the delineation because the county soil survey shows somewhat poorly drained or poorly drained soils present in farmed areas on the parcel. In preparation for the slide review, the NRCS wetland map, if available, was used to locate mapped areas of Prior Converted "PC", Wetland "W", Farmed Wetland "FW", Non-Wetland "NW", etc. Ten years of imagery were examined and used in the calculation for the number of hits. The review was started by examining a wet year aerial photograph, if present, to show the maximum extent of possible wetlands. Using that potential maximum extent of wetlands as the starting point, the normal years, if present, were then used to determine the more likely location and extent of the wetlands. Wet year signatures, particularly if they showed up on multiple years, were utilized in the field to determine the location of data points to demonstrate potential adjacent upland conditions. All wet signatures, whether they showed up on wet, normal, or dry years, were used to calculate the number of hits. Eight categories of wet signatures have been identified as follows [USDA, NRCS 1998. Wisconsin Wetland Mapping Conventions—WI513.30 (c) Off-site wetland identification tools. (WI-180-V-NFSAM). (3rd ed.) (Amendment WI21)]: 1) Hydrophytic vegetation which is typically seen as a different shade of green, 2) Surface water which usually shows as black or white areas, 3) Drowned-out crops identified as bare soil or mud flats, 4) Color differences that are the result of different planting dates or specific areas of the field that were not farmed in a given year, 5) Inclusionary wet areas that are part of a set-aside program, 6) Areas of greener color that are present in dry years, 7) Crop stress seen as yellow colors or sparse canopy typically seen as light green, and 8) Saturated soil that is visible on infrared (IR) slides or photographs.

Resources utilized in the investigation included the NRCS county soil survey, Wisconsin Wetland Inventory mapping, topo mapping, aerial photos, and county plat mapping. Significant literature consulted includes:

Curtis, John. 1971. The Vegetation of Wisconsin. University of Wisconsin Press, Madison, Wisconsin. 173 pp.

Eggers, Steve and Donald Reed. 2011. Wetland Plants and Plant Communities of Minnesota and Wisconsin – 3rd Edition. St. Paul District, U.S. Army Corps of Engineers, St. Paul, MN 478 pp.

Peterson, Roger and Margaret McKenny. 1968. A Field Guide to Wildflowers of Northeastern and Northcentral North America. Houghton Mifflin Company, Boston, Mass. 420 pp.

Swink, Floyd and Gerould Wilhelm. 1994. Plants of the Chicago Region. The Morton Arboretum, Lisle, Illinois. 921 pp.

Results and Discussion

* The subject site is an approximately 78 acre vacant site situated on the southeast corner of the intersection of Sprague Road and North Whitetail Drive in the Town of Eagle.

The site consists of active crop fields, stands of upland hardwood trees and shrubs, and wetland. The western portion of the parcel is a crop field that was planted with soybeans prior to the delineation. This area is relatively level from Sprague Road to the east side of the field. At that point an upland hardwood stand of trees and shrubs occupies a steep slope (approximately 20% to 30% grades) tsresnding to the east. At the toe of this slope, the grade transitions into a 10% to 15% slope, ultimately tapering down to 3% to 5% toward its interface with the western crop field. Virtually the entire area encompassing the 3% to 15% grades exhibits a very high groundwater table and is characterized as a "hillside seep". Soil saturation across this area is right at the surface in many places, accompanied by high water tables within 12 inches of the surface. As a result, all wetland indicators (soils, vegetation, and hydrology) are present on this hillside and are described at DP #'s 7, 10, and 13. Precipitation conditions for the three months prior to the delineation were higher than normal, but did not skew the results. The soil profiles discovered, as well as the preponderance of OBL and FACW vegetation, clearly indicate that the hydrology indicators encountered are the normal circumstances in this area.

- * No records of previous delineations on this site were discovered.
- * The soil types mapped within the project boundaries, as well as their detailed descriptions, are included with the soil maps in the Attachments.
- * No roadside ditches dominated by hydric vegetation are associated with this parcel.
- * Ten years of slides were analyzed for the FSA slide review. Consistent over all ten years of slides were wet indicators in the southeast corner of the site. This area is identified on the Wisconsin Wetland Inventory map as a F0Kf—a farmed wetland. However, this area has not been farmed consistently since at least 2000, and has fully reverted to a wet meadow and should now be classified as an E2K. It is described below at DP #'s 4, 15, and 17.

- * The wetland areas on this site, as depicted on the Wisconsin Wetland Inventory map, are consistent with those found during the field delineation.
- * The wetland complex is a combination of wet meadow (DP #'s 4, 13, 15, and 17), shallow water marsh (DP #7), and sedge meadow (DP # 10).

The wet meadows are dominated by giant goldenrod, Kentucky bluegrass, Canada goldenrod, Dudley's rush, grassleaf goldenrod, Bebb's sedge, hummock sedge, and pussy willow. Soils meet the A1, A12, and F6 indicators. Hydrology indicators include High Water Table, Saturation, Geomorphic Position, FAC-Neutral Test, and Saturation Visible on Aerial Imagery. The shallow water marsh is dominated by broadleaf cattail and reed canary grass. Soils meet the A1 indicator and hydrology indicators of High Water Table, Saturation, Geomorphic Position, and the FAC-Neutral Test are present. Sedge meadows are dominated by hummock sedge. Soils meet the A1 indicator and hydrology indicators of High Water Table, Saturation, Geomorphic Position, and the FAC-Neutral Test are present. This complex extends offsite to the north and east for undetermined distances and is considered a combination of "highly susceptible" with a protective area of 75 feet for impervious surfaces and "moderately susceptible" with a protective area of 50 feet for impervious surfaces.

The adjacent upland data points were located at representative spots throughout the site and include the fallow edges of cropped fields (DP #'s 5 and 9), crop fields (DP #'s 6, 12, and 16), and stands of upland hardwood trees and shrubs (DP #'s 8, 11, 14, and 18).

The fallow field edges are dominated by Canada thistle and yellow rocket. Neither soil nor the required hydrology indicators are present at either data point. The crop field data points all exhibited a 10% aerial cover of soybeans with no volunteer vegetation present. Neither soil nor the required hydrology indicators are present at the data points. The stands of upland hardwoods were all located on steep slopes and were dominated by bur oak, black cherry, common buckthorn, box elder, prickly ash, mulberry, smooth brome grass, garlic mustard, motherwort, and Canada thistle. Neither soil nor the required hydrology indicators are present at any of these data points.

Additional Data Points

Three additional data points (DP #'s 1, 2, and 3) were located in the western crop field in mapped hydric soil units to demonstrate the absence of wetland characteristics at these locations. Each of these locations exhibited a 10% aerial cover of soybeans with no volunteer vegetation present. Neither soil nor the required hydrology indicators are present at any of these data points.

Precipitation Data

Precipitation data from the websites of the USDA Natural Resource Conservation Service, the National Oceanic and Atmospheric Administration (NOAA), and Waukesha WETS station WI8937 was examined. This antecedent data was reviewed and considered while making determinations concerning the presence and/or absence of wetlands during the field investigation.

Because the antecedent precipitation was wetter than normal, direct observations of saturated soils and/or water standing on the surface was expected. Other primary indicators as well as the secondary indicators were also searched for.

Note that when a site is delineated in the second half of the month, the current month and the previous 2 months are taken into consideration.

Condition Value Dry = 1 Normal = 2 Wet = 3

	Month	Normal	3 yrs. In 10 less than	3 yrs. In 10 more than	Observed precip.	Condition dry, wet, normal	Condition value	Month weight value	Product of previous two columns
current month 1st prior	May	3.02	2.03	3.61	5.72	wet	3	3	9
month 2nd prior	April	3.53	2.46	4.20	4.87	wet	3	2	6
month	March	2.28	1.34	2.77	6.11	wet	3	l sum	3 18

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is

6-9 drier than normal

10 - 14 normal

15 - 18 wetter than normal

Conclusion

Antecedent precipitation was wetter than normal.

Conclusion

The wetland lines staked in the field and referred to in this report are the best estimate of the wetland boundaries based on the conditions present at the time of delineation. The wetlands identified for this report may be subject to federal regulation under the jurisdiction of the U.S. Army Corps of Engineers, state regulation under the jurisdiction of Wisconsin DNR, and local jurisdiction under your local county, town, city, or village. In addition, because a wetland delineation is a point in time determination, wetland delineations are considered to be valid for a period of only five years for federal wetlands and fifteen years for nonfederal wetlands. Permit applications may be submitted at the federal and state levels after a delineation is completed, with the request to review the delineation report and make a determination as to

which, if any, wetlands on the site are nonfederal wetlands. Because this delineation was conducted by Mr. Meyer, an Assured Delineator, obtaining a concurrence letter from the Wisconsin Department of Natural Resources is not necessary. Concurrence with these wetland lines by the U.S. Army Corps of Engineers is not necessary. If a USACOE permit is being sought for this project, this wetland delineation report will be reviewed during the permit application process. If the USACOE has questions about, or issues with this report, they will not issue their permit(s) until those issues are resolved. Activities affecting wetlands or surface waters may require permits from the U.S. Army Corps of Engineers, the Wisconsin Department of Natural Resources, and local municipal authorities. The client must obtain authorization from all proper regulatory authorities before altering, modifying, or using the property. If the required authorizations are not obtained, Wetland & Waterway Consulting, LLC shall not be liable or responsible for any resulting damages.

Sincerely,

Dave Meyer

Attachments

- 1. Data points
- 2. Soil Survey maps
- 3. Wisconsin Wetland Inventory map
- 4. USGS topo map
- 5. Location map
- 6. Site photographs
- 7. FSA slide review
- 8. Assured Delineator Letter 2024
- 9. Wetland boundary map

, WETI	LAND DETER	MINATION DATA FO		and Northeast Region
Project/Site: Lie/inski	Trago	e Kued City	Sounty Wan les	
Applicant/Owner:				State: Sampling Point: #/UD
Investigator(s): MPYP	hertinsk		on, Township, Range: _	ec, 13 TS4 R/7E
Landform (hillstope, terrace, etc.	c.): <u>/e</u>	C Local rel	lef (concave, convex, no	ne): None Slope (%):
Subregion (LRR or MLRA);		Lat:	Long:	
	SAW LUG			IVVI classification.
Are climatic / hydrologic conditi	ons on the site ty	pical for this time of year?	res ec Genur	(If no, explain in Remarks.)
		gy <u>//</u> significantly distu		Circumstances" present? Yes No
Are Vegetation, Soil	<u>/</u> , or Hydrolo	gy <u>//</u> naturally problem	atic? (If needed,	explain any answers in Remarks.)
SUMMARY OF FINDING	3S - Attach	ite map showing san	npling point location	ons, transects, important features, etc.
Hydrophytic Vegetation Prese Hydric Soil Present?	Yes	No No	Is the Sampled Area within a Wetland?	Yes No
Wetland Hydrology Present? Remarks: (Explain alternative		No	If yes, optional Wetland	d Site ID:
HYDROLOGY				
Wetland Hydrology Indicate				Secondary Indicators (minimum of two required)
Primary Indicators (minimum	of one is require			Surface Soil Cracks (B6)
Surface Water (A1)		Water-Stained Leave	• •	Drainage Patterns (B10)
High Water Table (A2) Saturation (A3)		Aquatic Fauna (B13) Marl Deposits (B15)		Moss Trim Lines (B16) Dry-Season Water Table (C2)
Water Marks (B1)		Hydrogen Sulfide Or		Crayfish Burrows (CB)
Sediment Deposits (B2)			res on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Presence of Reduce	-	Stunted or Stressed Plants (D1)
Algai Mat or Crust (B4)		Recent Iron Reduction	on in Tilled Soils (C6)	Geomorphic Position (D2)
tron Deposits (B5)		Thin Muck Surface ((C7)	Shallow Aquitard (D3)
Inundation Visible on Ae		Other (Explain in Re	marks)	Microtopographic Reflef (D4)
Sparsely Vegetated Con	cave Surface (B8)	·	FAC-Neutral Test (D5)
Fleid Observations: Surface Water Present?	Yes No	Donth (Inchas)		
Water Table Present?	Yes No	Depth (inches): Depth (inches):		
Seturation Present?	Yes No		Wetland	Hydrology Present? Yes No
(includes capillary fringe)				- Waldan
Describe Recorded Data (str	sam Banda' wou	toning went aensi priotos, pri	evicus inspections), ir av	BILLEON C.
Remarks:		· · · · · · · · · · · · · · · · · · ·		

	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size:)		Species?		Number of Dominant Species
•				That Are OBL, FACW, or FAC:(A)
				Total Number of Dominant
				Species Across Ali Strata: (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: (A/B)
				Prevalence Index worksheet:
•				
		= Total Cov	er	OBL species x1 =
tenline/Shrub Stratum (Plot size:)				FACW species x2 =
•				FAC species x 3 =
				FACU species x 4 =
				UPL species x5 =
				Column Totals: (A) (B)
				Prevalence Index = B/A =
5				
J				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
		= Total Cov	rer	2 - Dominance Test is >50%
Herb Stratum (Plot size:)				3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting
•				data in Remarks or on a separate sheet)
2.				Problematic Hydrophytic Vegetation¹ (Explain)
3.				Indicators of hydric soil and wetland hydrology must
·				be present, unless disturbed or problematic.
5.				Definitions of Vegetation Strata:
S				Tree - Woody plants 3 In. (7.6 cm) or more in diameter
*				at breast height (DBH), regardless of height.
J,	-			Sapling/shrub - Woody plants less than 3 in. DBH
)				and greater than or equal to 3.28 ft (1 m) tail.
10.				Herb - All herbaceous (non-woody) plants, regardless
11.			***************************************	of size, and woody plants less than 3.28 ft tail.
		-		Woody vines - All woody vines greater than 3.28 ft in
12				height.
		= Total Cov	/er	
Noody Vina Stratum (Plot size:)				
l, <u></u>	 			
2.				ł
3	-			Hydrophytic
I				Vegetation
		= Total Cov	/er	Present? Yes No
Remarks: (Include photo numbers here or on a separate	sheet.)			1
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10% agrical Cover	っそ、	SOYB	oghs	
10/0 01/191 COV.	•	/ /		
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No Volunteer urse	Lit.	n. 01	1 (01.	

Sampling	Point:	/	

Profile Des Depth	cription: (Describe to Matrix	o ine dept		ent the Indical Features	or or contin	n tre Edsence (or indicators.)
(inches)	Color (moist)	%	Color (moist)	% Type	Loc ²	Texture	Remarks
M-11	7,5 /R 2.5/1	$\overline{(2)}$				Silt/s	
0-11	1,7 1/6 2.3/1	100				11713	512
		 .				-111	
11-20	7.5/n 2.5/3	100				S:1+/s.	92
	,						

'Type: C=C	concentration, D=Depk	etion, RM=	Reduced Matrix, MS	=Masked Sand	Grains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soll	Indicators:						for Problematic Hydric Soils ³ :
Histoso	I (A1)		Polyvelue Below	Surface (S8) (I	.RR R.	2 cm M	uck (A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B)		•		Prairie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Thin Dark Surfac				ucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Mucky Mi		R K, L)		uface (S7) (LRR K, L)
	d Layers (A5)		Loamy Gleyed M			Polyvali	ue Below Surface (S8) (LRR K, L)
	d Below Dark Surface	(A11)	Depleted Matrix (rk Surface (S9) (LRR K, L)
	ark Surface (A12)	•	Redox Dark Surf			Iron-Ma	inganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)	•	Depleted Dark S				nt Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4) Redox (S5)	•	Redox Depression	ons (FB)			Spodic (TA6) (MLRA 144A, 145, 149B)
	d Matrix (S6)						rent Material (F21)
	rface (S7) (LRR R, M	I RA 1492	١				nallow Dark Surface (TF12)
		3,01,100	,			Outer (Explain in Remarks)
3Indicators o	f hydrophytic vegetati	on and wel	land hydrology must	be present, uni	ess disturbed	for crohlemetic	
Restrictive	Layer (if observed):		, , , , , , , , , , , , , , , , , , , ,			- Cr presioniano.	
Туре:	•						
Depth (in	ehon):		*******			Hydric Soil F	Name of the State
	Cries):					nyunc soil i	Present? Yes No
Remarks:							

, WETLAND DET	TERMINATION DATA FOR			<i>-</i> 1
Project/Site. Sielinski Tra	sque Koed chyé	ounty Wan lest		-5/31
Applicant/Owner:	<u> </u>		State: Sampling Point:	-d 41
Investigator(s): MPIJER hertin			ec, 13 TSUR/7E	
Landform (hilistope, terrace, etc.):	Local reli	ef (concave, convex, non	e): Slope (%):	
Subregion (LRR or MLRA):	Lat:	Long:	Datum:	
	Loan WEA		NWI classification:	
Are climatic / hydrologic conditions on the s	Ite typical for this time of year? Y	es (ec Reporti	If no, explain in Remarks.)	
Am Manaterian Soil All or Had	rology N significantly distur	had? are Normal	Circumstances" present? Yes N	。 <i></i>
Δ', Λ/	rology // naturally problems		xplain any answers in Remarks.)	
		•	•	
SUMMARY OF FINDINGS - Atta	ch site map showing sam	pling point locatio	ns, transects, important feature	s, etc.
Hydrophytic Vegetation Present?	Yes No	is the Sampled Area		
Hydric Soil Present?	Yes No/	within a Wetland?	Yes No	l
Wetland Hydrology Present?	Yes No	If yes, optional Wetland	Site ID:	
Remarks: (Explain alternative procedures	here or in a separate report.)			
				l
('top field				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two rec	ruired)
Primary Indicators (minimum of one is reg	ulred; check all that apply)		Surface Soli Cracks (B6)	- 1
Surface Water (A1)	Water-Stained Leave	ıs (B9)	Drainage Patterns (B10)	1
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)	1
Water Marks (B1)	Hydrogen Sulfide Od	• •	Crayfish Burrows (C8)	
Sediment Deposits (B2)		es on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced	• •	Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction	•	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C	•	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery		marks)	Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface) (B8)		FAC-Neutral Test (D5)	
Fleid Observations:		İ		
	No Depth (inches):			
1	No Depth (inches):		hutustanu Burana Mar	
Saturation Present? Yes (includes capillary fringe)	No Depth (inches):	Wetland H	ydrology Present? Yes No _	_
Describe Recorded Data (stream gauge, i	monitoring well, aerial photos, pre	vious inspections), if ava	lable:	
				1
Remarks:	***************************************			
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Sampling	Point:	\prec	

	Absolute	Dominant indicator	Dominance Test worksheet:
Tree Stratum (Ptot size:)	% Cover	Species? Status	Number of Dominant Species
1			That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4			Percent of Dominant Species
5			That Are OBL, FACW, or FAC: (A/B)
6			
			Prevalence Index worksheet:
7			
		= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)			FACW species x 2 =
1			FAC species x 3 =
2	- 		UPL species x5 =
3			Cotumn Totals: (A) (B)
4			Column Totals (A)
5			Prevalence Index = B/A =
6			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophytic Vegetation
		= Total Cover	2 - Dominance Test is >50%
Herb Stratum (Plot size:)	***************************************		3 - Prevalence Index is ≤3.01
1			4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2			Problematic Hydrophytic Vegetation¹ (Explain)
3			
4			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5.			
			Definitions of Vegetation Strata:
6			Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7			at breast height (DBH), regardless of height.
8			Sapling/shrub - Woody plants less than 3 in. DBH
9			and greater than or equal to 3.28 ft (1 m) tall.
10			Herb - Ail herbaceous (non-woody) plants, regardless
11			of size, and woody plants less than 3.28 ft tail.
12			Woody vines - All woody vines greater than 3.28 ft in
		= Total Cover	height.
Woody Vine Stratum (Plot size:)			
1			
2			
3			Mudaaahida
4.	· ———		Hydrophytic Vegetation
		= Total Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate :	sheet.)		
10% agrical cover of No volunteer US	e te t	y bears tion pies	"FA+
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Sampling Point:

	ecription: (Describe) Matrix	to tue cebi	h needed to document the indicator or confirm Redox Features	ille anseites o	i madators.,
Depth (inches)	Color (moist)	%		Texture	Remarks
124	7,54/2 8.5/1	100		SIFIN	3 (0
	117 1/5 002/1	744		3/11/0	
					
4.13	7,5422,5/2	100		Silt /09.	m
19 90	NYR4/3	100		5:1+/0	
15-20	10712413	700		3/17/0	9m
					
	-				
	-				
IT	Onnentation 5 :5		Spatian d Maldy Montached Cond Control	2,	Clarker I bigs Adultation
	Concentration, D≖Dep il Indicatore:	euch, KM	Reduced Matrix, MS=Masked Sand Grains.		PL=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
1 -	ol (A1)		Polyvalue Below Surface (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)
. —	Epipedon (A2)		MLRA 149B)		reirie Redox (A16) (LRR K, L, R)
	Histic (A3)		Thin Dark Surface (S9) (LRR R, MLRA 149B)		ucky Peat or Peat (S3) (LRR K, L, R)
Hydrog	gen Sulfide (A4)		Loamy Mucky Mineral (F1) (LRR K, L)	Dark Su	rface (S7) (LRR K, L)
· —	ed Layers (A5)		Loamy Gleyed Matrix (F2)		ue Below Surface (S8) (LRR K, L)
. —	ed Below Dark Surfac	e (A11)	Depleted Matrix (F3)		rk Surface (S9) (LRR K, L)
, —	Dark Surface (A12) Mucky Mineral (S1)		Redox Dark Surface (F6) Depleted Dark Surface (F7)		nganese Masses (F12) (LRR K, L, R) nt Floodpiain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)		Redox Depressions (F8)		podic (TA6) (MLRA 144A, 145, 148B)
	Redox (S5)				rent Material (F21)
	ed Matrix (S6)			Very Sh	ailow Dark Surface (TF12)
Dark S	iurface (S7) (LRR R, f	VILRA 1498	9)	Other (E	Explain in Remarks)
Stadleston	of hydrophydia ynastas	elaa and uu	flowed by wheeless, we was been some a surface of leavish and	blo	
	Exper (if observed):		tland hydrology must be present, unless disturbed	or problematic.	
Type: _	s Eujor (II Obaci vou).				
			- Thinkson	Hydric Soil F	Present? Yes No
	nches):			riyaric son r	-1099IK 103 KO
Remarks:					
ĺ					
1					
1					
1					

WETLAND DETERMINATION DATA FORM - Non	thcentral and Northeast Region
Project/Site: Die/inski Strague Road city/county fr	Can lesha Sampling Date: 129 + 5/3/
Applicant/Owner:	State: D' Sampling Point: # 54
Investigator(s): MPI/Pr hertinsk' Section, Township	, Range: Sec. 13 T 54 R/7 E
Landform (hillstope, tetrace, etc.): / erc Local relief (concave,	convex, none): Slope (%):
Subregion (LRR or MLRA): Lat:	Long: Datum:
Soil Man Unit Name: / Jarsan / Jan Wc A	NWI classification: NOW
Are climatic / hydrologic conditions on the site typical for this time of year? Yes SecTo	(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 po	int locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No If yes, option	
Remarks: (Explain alternative procedures here or in a separate report.)	
Ctop Field	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Drift Deposits (B3) Presence of Reduced Iron (C4)	Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled S	
ragai Mat of Crast (64) Recent from Reduction in Times of Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe-	ctions), if available:
Remarks:	
10% agrical cover of soyban	As .
No volunteer vesetation prese	nt
	· ·

VEGETATION -	- USO 80	dentific name	s of plants.

		1	
Sampling	Point:	<u> </u>	

Tono Chestern / Diet eine	Absolute	Deminant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)		Species? Status	Number of Dominant Species
1.			That Are OBL, FACW, or FAC:(A)
2			Total Number of Dominant
3.			Species Across Ali Strata: (B)
4			Percent of Dominant Species
S			That Are OBL, FACW, or FAC: (A/B)
6			Prevalence Index worksheet:
7			Total % Cover of: Multiply by:
		= Total Cover	OBL species x 1 =
Septima/Shrub Stratum (Pict size:)			FACW species x 2 =
			FAC species x 3 =
1			FACU species x 4 =
2			UPL species x5 =
3			Cotumn Totals: (A) (B)
4			
5			Prevalence Index = B/A =
6			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophytic Vegetation
		= Total Cover	2 - Dominance Test is >50%
Herb Stratum (Plot size:)			3 - Prevalence Index is ≤3.01
1			4 - Mcrphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2			Problematic Hydrophytic Vegetation¹ (Explain)
3			
4			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5			
			Definitions of Vegetation Strata:
6			Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7			at breast height (DBH), regardless of height.
8			Sapling/shrub - Woody plants less than 3 in. DBH
9			and greater than or equal to 3.28 ft (1 m) tall.
10			Herb - All herbaceous (non-woody) plants, regardless
11,			of size, and woody plants less than 3.28 ft tail.
12			Woody vines - All woody vines greater than 3.28 ft in
	-	= Total Cover	height.
Woody Vine Stratum (Plot size:)			
1,			
2			
3			
4			Hydrophytic Vegetation
		- Tatal O	Present? Yes No
Remarks: (Include photo numbers here or on a separate s		= Total Cover	
tumena kunga immana imma oi mi a sehatata s			
			Į

Sampling Point:	Sampling	Point:	<u> 3</u>
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Depth	ortpublic (Bosoniae					or commi	the absence	or marcan	,	
(inches)	Color (moist)	94.	Color (moist)	x Features %	Type	Loc ²	Texture		Remarks	
(literate)	L/ORD (III USO)		Color (IIIC)SII		1.4/40		I ØAIHI Ø		T VOIT WATER	
0 10								/		
0-12	7.5-1R 2.5/1	100		. ——			Silt	Dam		
	/						•			
										
		-,						<i></i>		
12-20	/VYR 4/3	100					51/+1	van		
	-,									-
									·	
	- 									
	-						***************************************			
	Concentration, D=Dep	letion, RM	Reduced Matrix, M	S=Masked	Sand Gr	eins.			Lining, M=Matr	
	l Indicators:								matic Hydric 9	
Histoso	• •		Polyvalue Belo		(58) (LR I	RR,			(LRR K, L, MLI	
	Epipedon (A2) Histic (A3)		MLRA 1498 Thin Dark Surf		BD D M	DA 44001			ox (A16) (LRR	
	risuc (A3) gen Sulfide (A4)		Loamy Mucky						or Peat (S3) (Li) (LRR K, L)	RR R, L, R)
	ed Layers (A5)		Loamy Gleyed			/			Surface (S8) (Li	RR K. L.)
_	ed Below Dark Surfac	e (A11)	Depleted Matri						(S9) (LRR K, I	
Thick [Dark Surface (A12)		Redox Dark Su						Asses (F12) (L	
	Mucky Mineral (S1)		Depleted Dark		7)		Pledn	ent Floodpl	ain Scils (F19)	MLRA 149B)
	Gleyed Matrix (S4)		Redox Depres	sions (F8)					6) (MLRA 144A	, 145, 149B)
	Redox (S5)							arent Mater		
	id Matrix (S6) iurface (S7) (LRR R, I	81 DA 4405							k Surface (TF12	2)
DBIK 3	misco (57) (Lick K, I	HLION 143E	•)				Other	(Explain in I	Remarks)	
	of hydrophytic vegeta	tion and we	tland hydrology mu	st be prese	nt. unles:	nedrutelb s	or problemet	c		
³ indicators							Probleman			
3indicators Restrictive	Layer (if observed):						1			
Restrictive	Layer (if observed):									
Restrictive Type:	Layer (if observed):						Hydric Sci	Present?	Yaa	No. 1
Restrictive Type: Depth (i	Layer (If observed):						Hydric Sci	Present?	Yes	No
Restrictive Type:	Layer (if observed):		Producto				Hydric Soi	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):				- 10-1		Hydric Sci	l Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):				-		Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No _
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No _
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No _
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No
Restrictive Type: Depth (i	Layer (if observed):						Hydric Sci	Present?	Yes	No

, WETLAND DETERMINATION DATA FOR	RM - Northcentral and Northeast Region
Project/site: Lielinski Tragne Road Chyp	1, -3,
Applicant/Owner:	State: Sampling Point: # 9 We'
Investigator(s): MPUPT hertinsk! Section	n, Township, Range: Sec. 13 T SU R/7E
Landform (hillstope, terrace, etc.): Ceptessine balih Local rell	ef (concave, convex, none): Chabe Slope (%):
Subregion (LRR or MLRA): Lat:	Long: Datum:
Soll Map Unit Name: Kanesil+ Jan Kelt	NWI classification: FOKF
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es Sec Region (If no, explain in Remarks.)
Are Vegetation / Soil /, or Hydrology / significantly distur	"
Are Vegetation / Soit / or Hydrology / naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing san	poling point locations, transects, important features, etc.
Sommer of the birds - Added one map showing sun	,
Hydrophytic Vegetation Present? Yes No	is the Sampled Area within a Wetland? Yes No
Hydric Soil Present? Yes/_ No	
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain afternative procedures here or in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soll Cracks (86)
Surface Water (A1) Water-Stained Leave	s (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sutfide Od	— / · · · · · · · · · · · · · · · · · ·
	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Algal Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (· · · · · · · · · · · · · · · · · · ·
Inundation Visible on Aerial imagery (B7) Other (Explain in Ref	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Fleid Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	<u>//-</u>
Seturation Present? Yes No Depth (Inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring wall, aerial photos, pre	vicus inspections), if available:
	,
Remarks:	

VEGETATION	l lee	scientific names	of plants
AEGE I WILLOW -	OOO	OMBILITING HOUSE	or planto.

	۲/
Sampling Point:	

	Absolute	Dominant	Indicator	I handra and Tank and the bank
Tree Stratum (Plot size:)		Species?		Dominance Test worksheet:
4				Number of Dominant Species That Am ORL FACE or FACE (A)
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species That Are OBL. FACW. or FAC: (A/B)
6				That Are OBL, FACW, or FAC: (A/B)
4				
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov	er	OBL species x 1 =
Coolleg/Charle Street van /Oled slage			-	FACW species x 2 =
Saplina/Shrub Stratum (Plot size:)				
1				FAC species x 3 =
2				FACU species x 4 =
				UPL species x 5 =
3				Column Totals: (A) (B)
4				(0)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1_Rapid Test for Hydrophytic Vegetation
**				2 - Dominance Test is >50%
		= Total Cov	er	
Herb Stratum (Plot size:)				3 - Prevalence Index is ≤3.01
1. CAVEL Debbii	25	/	()BL	4 - Morphological Adaptations¹ (Provide supporting
			<u> </u>	data in Remarks or on a separate sheet)
2				Problematic Hydrophytic Vegetation¹ (Explain)
3. Dolida o CANADONCIS	10	1	FALL	1.
A				Indicators of hydric soil and wetland hydrology must
The state of the s	- 71	$\overline{}$		be present, unless disturbed or problematic.
5. Slidejo figantes	<u> </u>		FACW	Definitions of Vegetation Strata:
6				- Tomasono or Togomaon Guam.
7. Enthania xxaminitalia	70		FAL	Tree - Woody plants 3 in. (7.6 cm) or more in diameter
1			1770	at breast height (DBH), regardless of height.
8.				Sapting/shrub Woody plants less than 3 in. DBH
9. Por poctensis	25		FAC	and greater than or equal to 3.28 ft (1 m) tall.
10. Junius and levi	_ 		FNW	
W. Jorian Cinc Ry				Herb - All herbaceous (non-woody) plants, regardless
11. Glyceria striata	<u> </u>		ODL	of size, and woody plants less than 3.28 ft tall.
12. Exiseron philadelphicus	2		F4C	Woody vines - All woody vines greater than 3.28 ft in
J. 100 110 110 110 110 110 110 110 110 11	700			height.
· · · · · · · · · · · · · · · · · · ·	109	= Total Cov	er	-
Woody Vine Stratum (Plot size:)				
1				
2				
3				Hydrophytic
4				Nyarophytic
**				Present? Yes No
		= Total Cov	er	
Remarks: (Include photo numbers here or on a separate	sheet.)			A
				1
				1

		4 /
Sampling	Point:	7

•	•		
3	L	31	Ł

Profile Des	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (mehos)	Matrix	<u> </u>	Color (molst)	Feature:	Timo	Loc ²	Texture	Remarks	
(inches)	Color (moist)		Color (morsi)		TACA		IBAUIB	Lighten	
\ \frac{1}{2} = -	25/20-11	700					silt loan		
0-7	7.54R2.5/1	100					Silt loan	<u>h</u>	
	•								
5-13.	75125/1	95	10/R3/6	5	C	M	silt ban		
	,								
12-20	7.5424/2	FI	10/124/4	10	<u></u>	16	51/1/201	1.	
13 80	12110112		101/C 111	<u> </u>		/- /	3///		
	• • • • • • • • • • • • • • • • • • •		*****						
						_			
									
	Concentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Maskec	Sand Gr	elns.		Pore Lining, M=Matrix.	
j -	Indicators:		Debambia Balai	v Svetoco	(60) /I B			roblematic Hydric Scile ³ :	
Histoso	ii (A1) :pipedon (A2)		Polyvelue Belov MLRA 1498)		(56) (LR	K K,		A10) (LRR K, L, MLRA 149B) B Redox (A16) (LRR K, L, R)	
	fistic (A3)		Thin Dark Surfa		.RR R, M	LRA 149B)		Peat or Peat (S3) (LRR K, L, R)	
	en Sulfide (A4)		Loamy Mucky N			, L)	Dark Surface	e (S7) (LRR K, L)	
	ed Layers (A5)	~ /8443	Loamy Gleyed I)			elow Surface (S8) (LRR K, L)	
	ed Below Dark Surfac Jark Surface (A12)	8 (A11)	Depleted Matrix Redox Dark Sur					urface (S9) (LRR K, L) tese Masses (F12) (LRR K, L, R)	
	Mucky Mineral (S1)		Depleted Dark \$					oodplain Soils (F19) (MLRA 148B)	
	Gleyed Matrix (S4)		Redox Depress		•			c (TA6) (MLRA 144A, 145, 149B)	
	Redox (S5)							Material (F21)	
	d Matrix (S6) urface (S7) (LRR R, f	AI PA 140	9 1				Very Shallow Dark Surface (TF12) Other (Explain in Remarks)		
50 0.	sindo (or) (Eracity a	12107 173	5,				Cotes (Expla	in in Remarks)	
	of hydrophytic vegeta		etiand hydrology mus	t be prese	ent, unles	s disturbed	or problematic.		
	Layer (if observed):								
Туре:									
Depth (ir	nches):						Hydric Soil Pres	ent? Yes No	
Remarks:		• • • • • • • • • • • • • • • • • • • •							

	RM - Northcentral and Northeast Region
Project/Ste - Sielinski Stragne Road Chyp	ounty Wan lesha Sampling Date: 729 + 5/3/
Applicant/Owner:	State: 1 Sampling Point: #5 41
Investigator(s): Meyer hertinsk! Section	on, Township, Range: Sec. 13 TSU R/7E
Landform (hilistope, terrace, etc.): /evc/ Local reli	ef (concave, convex, none): None Slope (%):
Subregion (LRR or MLRA): Lat:	Long: Datum:
Soil Map Unit Name: Kane Silt loam Kelt	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
\/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Are Vegetation, Soil, or Hydrology significantly distur Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
SUMMART OF FINDINGS - Attach site map showing sain	
Hydrophytic Vegetation Present? Yes No	is the Sampled Area within a Wetland? Yes No
Hydric Soil Present? Yes No	
Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate report.)	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Fallow edge of top field to	hat is periodically planted
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary indicators (minimum of one is required; chack all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leave	s (B9) Dreinage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marf Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Od	or (C1) Crayfish Burrows (C8)
	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced	
Algel Mat or Crust (B4) Recent Iron Reductio	
Iron Deposits (B5) Thin Muck Surface (C	<u> </u>
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rer Sparsely Vegetated Concave Surface (B8)	_ , , , , , ,
Field Observations:	FAC-Neutral Test (D5)
Surface Water Present? Yes No Depth (Inches): Water Table Present? Yes No Depth (Inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
	l

VEGETATION	Lies ecientific	names of plants.
*EGE (MILON *	UDB BUBILLING	nanica di Dienia.

Sempling	Point:	

Tree Stratum (Plot size:)	Absolute	Dominant Indicator Species? Status	Dominance Test worksheet:
Tree sundam (Pix size:)	70 (4)101	DODGOST CIDIOS	Number of Dominant Species That Am ORI, FACW or FAC: (A)
1.			That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant Species Across All Strata: (B)
3			Species Across All Strata:(B)
4			Percent of Dominant Species That Are OBL. FACW. or FAC: (A/B)
6	. 		That Are OBL, FACW, or FAC: (A/B)
6			Prevalence Index worksheet:
7			Total % Cover of: Multiply by:
		= Total Cover	OBL species x 1 =
Sanling/Shrub Stratum (Plot size:)			FACW species x2 =
1			FAC species x 3 =
2.			FACU species x 4 =
1			UPL species x 5 =
3			Column Totals: (A) (B)
4			Prevalence Index = B/A =
5			
6			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophyllo Vegetation
		= Total Cover	2 - Dominance Test is >50%
Herb Stratum (Plot size:)			3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting
1.			data in Remarks or on a separate sheet)
2. Cirsium arvinse	33	FALL	Problematic Hydrophytic Vegetation1 (Explain)
3.	<u>J</u>		Indicators of hydric soil and wetland hydrology must
4. Solidajo Canadensis		T-12(4	be present, unless disturbed or problematic.
5-			Definitions of Vegetation Strata:
6. Poa matensis	ئــ ـ	J-4C	_
7			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8			
θ			8apling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tail.
10			Herb - All herbaceous (non-woody) plants, regardless
11			of size, and woody plants less than 3.28 ft tail.
12.			Woody vines All woody vines greater than 3.28 ft in
14.	705		height.
	700	= Total Cover	
Woody Vine Stratum (Plot size:)			
1			
2			
3.			Hydrophytic
4			Vegetation Present? Yes No
		= Total Cover	
Remarks: (Include photo numbers here or on a separate	sheet.)		
			Í

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•	п	м	

Sampling	Point:	7	

Depth	Matrix		h needed to docum Redox	Features				
(inches)	Color (moist)	%	Color (moist)	% <u>Type</u> '	Loc ²	Texture	Remarks	
						,		
N V	75/12 2 -11	700				= 1// 1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/	F	
0-8	7.54R 2.5/1	700				511700	an	
		72.3						
8-20	7,5-12 3/3	100				Si/+/0	9n	
	, , , , , , , , , , , , , , , , , , ,							
			·····			-		
								
Type: C=C	oncentration, DuDon	letion. RM:	Reduced Matrix, MS	-Masked Sand Gr	ains.	² Location	PL=Pore Lining, M=Matrix.	
Hydric Soil			Troubout Industry Inc		<u></u>		or Problematic Hydric Scils ³ :	
Histoso			Polyvalue Below	Surface (S8) (LRI	R.R.		ick (A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B)		••••		rairle Redox (A16) (LRR K, L, R)	
	istic (A3)			:e (S9) (LRR R, M	LRA 149B)		icky Peat or Peat (S3) (LRR K, L, R)	
Hydroge	en Suifide (A4)			ineral (F1) (LRR K			rface (S7) (LRR K, L)	
Stratifie	d Layers (A5)		Loamy Gleyed N	fatrix (F2)		Polyvalu	e Below Surface (S8) (LRR K, L)	
	d Below Dark Surfac	e (A11)	Depleted Matrix	(F3)			rk Surface (S9) (LRR K, L)	
	ark Surface (A12)		Redox Dark Surf	• •			nganese Masses (F12) (LRR K, L, R)	
	Aucky Mineral (S1)		Depleted Dark S				nt Floodplain Soils (F19) (MLRA 149B)	
	Bleyed Matrix (S4)		Redox Depressi	ons (F8)			podic (TA6) (MLRA 144A, 145, 149B)	
	Redox (S5)						ent Material (F21)	
	d Matrix (S6)					Very Shallow Dark Surface (TF12)		
Dank St	rrface (S7) (LRR R, A	BLKA 1496	s)			Other (E	oplain in Remarks)	
3Indicators o	d hudmohudia unaatai	floo and we	tiand hydrology must	ha progent uples	a dictudad	or problematic		
	Layer (if observed):		ruana nyarotogy must	be present, unes	- USIGIDEG	or problematic.		
	• •					ļ	_	
Type:								
Depth (in	ches):					Hydric Scil P	resent? Yes No	
Remarks:								
1								
1								

, WETLAND DETERMINATION DATA FO	RM - Northcentral and Northeast Region
Projectistie Dielinski Tragne Kurd Chyk	Sounty War lesha Sampling Date 729 + 5/3/
Applicant/Owner:	State: Sampling Point: # 6 91
	on, Township, Range: Sec. 13 TSA 12/7 E
Landform (hillstope, terface, etc.): / eve / Local rel	lef (concave, convex, none): None Slope (%):
Subregion (LRR or MLRA): Lat:	Long: Datum:
Soil Map Unit Name: Wavsaw Luan We A	NWI classification: 1) one
Are climatic / hydrologic conditions on the site typical for this time of year?	res (ea Tagh dr / (If no. explain in Remarks.)
Are Vegetation Soil	· //
Are Vegetation	
SUMMART OF FINDINGS - Attach site map showing sar	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary indicators (minimum of one is required; check all that apply)	Surface Soli Cracks (B6)
Surface Water (A1) Water-Stained Leave	es (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Ox	
	res on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce Algal Mat or Crust (B4) Recent Iron Reduction	
iron Deposits (B5)	
inundation Visible on Aerial Imagery (B7) Other (Explain in Re	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (Inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pri	evious inspections). If available:
Remarks:	,
11)90 Gerial cover of Soy	beans
10% advial cover of soy No Volunteer resetation	present
	· · · · · · · · · · · · · · · · · · ·

VEGETATION	1 les	ecientific	namee	of plants
regei ai ion ~	USE	20121111110	11011100	ui pianto.

Sampling Poli	ıt:	

	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species? Status	Number of Dominant Species
1			That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4			Percent of Dominant Species
5			That Are OBL, FACW, or FAC: (A/B)
6			
7			Prevalence Index worksheet:
		= Total Cover	OBL species x 1 =
Ocalia a 10 hanta Ottantuma 10 lot a lang		- Total Cover	FACW species x 2 =
Saplina/Shrub Stratum (Plot size:)			FAC species x 3 =
1			FACU species x 4 =
2			UPL species x 5 =
3.			Cotumn Totals: (A) (B)
4			
5			Prevalence Index = B/A =
6			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophytic Vegetation
		= Total Cover	2 - Dominance Test is >60%
Herb Stratum (Plot size:)			3 - Prevalence Index is ≤3.01
1			4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2			Problematic Hydrophytic Vegetation1 (Explain)
3			
4.			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5.			
			Definitions of Vegetation Strata:
6			Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7			at breast height (DBH), regardless of height.
8			Sapling/shrub - Woody plants less than 3 in. DBH
9			and greater than or equal to 3.28 ft (1 m) tell.
10			Herb - All herbaceous (non-woody) plants, regardless
11			of size, and woody plants less than 3.28 ft tall.
12			Woody vines - All woody vines greater than 3.28 ft in
		= Total Cover	height.
Woody Vine Stratum (Plot size:)			
1			
2			
3.			Hydrophytic Vegetation
4			Present? Yes No
Bornodos /ladudo abata auraban ban as as a consiste		= Total Cover	
Remarks: (Include photo numbers here or on a separate s	sneet.)		
			j

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6	•	51
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Sampling	Point:	6

Profile Des	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)						
Depth	Matrix		Redo	x Features			
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc	Texture Remarks
0-11	7,5-1/29.5/1	100					siltlaan
9 11	7-11-11	<u>, , , , , , , , , , , , , , , , , , , </u>					3.7.
					 .		
11.20	7.51R 3/4	100					Sandyloan
170	13/1/	700					Janey
							
·	·						
				• ——			
				. ——			·
IT-net 0-0	Annantalian Daban	letter St		0-141			2
	Concentration, D=Dep	ieuch, RM	ereaucea Matrix, M	5=Masked	Sand Gra	ins.	² Location: PL=Pore Lining, M=Matrix.
_			Debaration Both	0	60\		Indicators for Problematic Hydric Soils ³ :
Histoso	ii (A1) ipipedon (A2)		Polyvalue Belov MLRA 149B		58) (LRR	R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	istic (A3)		Thin Dark Surfi	•	DD D MI	DA 4/081	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Suifide (A4)		Loamy Mucky !				Dark Surface (S7) (LRR K, L)
	d Layers (A5)		Loamy Gleyed			_,	Polyvalue Below Surface (S8) (LRR K, L)
	ed Below Dark Surface	B (A11)	Depleted Matrix				Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)	•	Redox Dark Su				Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy I	Mucky Mineral (S1)		Depleted Dark	Surface (F7	7)		Piedmont Floodplain Scils (F19) (MLRA 149B
Sandy	Gleyed Matrix (S4)		Redox Depress	ilons (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)						Red Perent Material (F21)
	d Matrix (S6)						Very Shallow Dark Surface (TF12)
Dark St	urface (S7) (LRR R, N	ALRA 1491	3)				Other (Explain in Remarks)
Startlanton .					-41	41-444	A M
	of hydrophytic vegetal Layer (if observed):		ruana nyerology mus	st be prese	nt, uniess	CISTUTCEC	d or problematic.
	cayer (ii observed):						
Type:		······································					
Depth (in	nches):						Hydric Soil Present? Yes No
Remarks:		***************************************		···			

WETLAND DETERMINATION DATA FOR	RM - Northcentral and Northeast Region
Projectionski Tragne Kord City	1, -
Applicant/Owner:	State: Sampling Point: ## /W
Investigator(s): Meyer hertinsk. Section	in, Township, Range: Sec. 13 TSUR/76
Landform (hillistope, terrace, etc.): MINSTOPE Local reli	ef (concave, convex, none): ChVL Slope (%):
Subregion (LRR or MLR/s): Laty	Long: Datum:
Soil Map Unit Name: Advian Muck Ac	NWI classification: E2kf
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es <u>recTagour</u> (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS - Attach site map showing sam	enling point locations, transects, important features, etc.
Solding Life of Library - Attentions and anothing only	
Hydrophytic Vegetation Present? YesNo	is the Sampled Area within a Wetland? Yes No
Hydric Soil Present? Yes No	
Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate report.)	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leave	
High Water Table (A2) Aquatic Fauna (B13)	• • • • • • • • • • • • • • • • • • • •
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Od	
<u> </u>	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	d iron (C4) Stunted or Stressed Plants (D1) in in Tilled Soils (C6) Seomorphic Position (D2)
Algat Mat or Crust (B4) Recent iron Reduction iron Deposits (B5) Thin Muck Surface (6	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rei	· · · · · · · · · · · · · · · · · · ·
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? YesNo Depth (Inches):	
Water Table Present? YesNo Depth (inches):	<u>'</u>
Saturation Present? Yes No Depth (Inches): <u>< v</u> (Includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	vious inspections), if available:
Remarks:	

	ts. Absolute	Dominant		Dominance Test worksheet		
(Plot size:)		Species?		Number of Dominant Species		
•				That Are OBL, FACW, or FAC	: _ <u>~</u>	(A)
				Total Number of Dominant	2	(D)
•				Species Across All Strata:		(B)
•				Percent of Dominant Species		/A (73)
				That Are OBL, FACW, or FAC	; <u> </u>	(A/B)
)				Prevalence Index workshee	t:	
•				Total % Cover of:	Multiply by:	
		= Total Co	ver	OBL species	x1=	
ispling/Shrub Stratum (Plot size:)				FACW species	x 2 =	
•				FAC species	x 3 =	
				FACU species		
				UPL species	x5=	
•				Column Totals:	(A)	(B)
•				Prevalence Index = B/A	۸	
5,						
3.				Hydrophytic Vegetation Ind		
7				1 Rapid Test for Hydron		1
		= Total Co	ver	2 - Dominance Test is >6		
ierb Stratum (Piot size:)				3 - Prevalence Index is s		
h - 1 - 1		_		4 - Morphological Adapta data in Remarks or or	aions' (Provide : n a separate she	supporung :et)
Typha latitolia	700		OTTL	Problematic Hydrophytic	•	-
i. //				¹ Indicators of hydric soil and		
Thalaris hundihales	750		FAIN	be present, unless disturbed		Jy must
				Definitions of Vegetation 8	irata:	
3				Tree - Woody plants 3 In. (7.	6 cm) or more in	diameter
7				at breast height (DBH), regard		
3				Sapling/shrub - Woody plan	its less than 3 in	. DBH
)				and greater than or equal to		
10				Herb - All herbaceous (non-		
11				of size, and woody plants less	s than 3.28 ft tal	l.
12				Woody vines - All woody vin	nes greater than	3.28 ft In
	780	= Total Co	ver	height.	_	
Noody Vine Stratum (Plot size:)			•••			
1.						
2.						
3				Hydrophytic		
				Vegetation Present? Yes	No	
ł		= Total Co				

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Sampling	Point:	

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth	Matrix		Redo	x Features			
(inches)	Color (moist)		Color (moist)	<u> </u>	Type	Loc ²	Texture Remarks
		,					
0-20	7.5/2.5/1	700					much
- 0 -	1-48-11-C1	 -					TO THE TOTAL PARTY OF THE TOTAL
	·			. —— .			
							
		. ———					
				,			
IT: TO COC		tation Divi		^_11-skod	24 0-	- !	Zi annihma Di abana i Inter Ainkinin
Hydric Soll	oncentration, D=Dep	letton, rum-	Кедисеа малы, тук	j¤Maskeu √	Sano Gre	ains.	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Scile ³ :
Histosol			Polyvalue Belov	Oudana (001 /1 DF	~ 6	•
_	r (A1) pipedon (A2)	•	MLRA 1498)		30) (L.r.	CR,	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surfa	•	ar R. MI	PA 149B	
	en Sulfide (A4)	•	Loamy Mucky N		•	•	Dark Surface (S7) (LRR K, L)
	d Layers (A5)	•	Loamy Gleyed			,,	Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surface	e (A11)	Depleted Matrix				Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)	,	Redox Dark Su				Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy N	Mucky Mineral (S1)	,	Depleted Dark	Surface (F7	/)		Piedmont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)		Redox Depress	ions (F8)	·		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)						Red Parent Material (F21)
	d Matrix (S6)						Very Shallow Dark Surface (TF12)
Dark Su	oface (S7) (LRR R, A	#LRA 1498	4)				Other (Explain in Remarks)
31	امامهمي والمنظم مشيداك	* un	وروم ومواحدات المرادة		1	·41 -: 41-: 41-: 41-:	A
	f hydrophytic vegetal Layer (if observed):		liana nyarology mus	t be presen	it, uniess	disturced	d or problematic.
	Layer (II Observed).						
Туре:							
Depth (in	ches):	<u>_</u> _			_		Hydric Scil Present? Yes No
Remarks:							
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WETLAND DETERMINATION DATA FORM - No	rthcentral and Northeast Region
	Jan lesha sampling Date: 729 + 5/31 202
Applicant/Owner:	State: Sampling Point:
Investigator(s): MPI/Pr hertinski. Section, Townsh	ip, Range: <u>Sec. 13 T SU R/7 E</u>
andform (hillstope, terrace, etc.): h.//J/v/n c Local relief (concave	e, convex, none): CAVX Slope (%): 20
Subregion (LRR or MLRA): Let:	Long: Datum:
Soil Map Unit Name: (as(o-Ko JMG) (shiple+ (r)	NWI classification: NOVE
are climatic / hydrologic conditions on the site typical for this time of year? Yes SecT	Copp dr / (If no, explain in Remarks.)
are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
re Vegetation	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling po	pint locations, transects, important features, etc.
Hydric Soil Present? Yes No within a l	mpled Area Wetland? Yes No
Wetland Hydrology Present? Yes No If yes, opt	tional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (86)
Surface Water (A1) Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13) Saturation (A3) Marl Deposits (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living	_ , , ,
Drift Deposits (B3) Presence of Reduced Iron (C4)	• • • • • • • • • • • • • • • • • • • •
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled	Soils (C6) Geomorphic Position (D2)
Iron Daposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Reflef (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe	ections), if available:
Remarks:	
	1

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VEG	ETATI	DN l	Jse so	dentific	names	of i	olants.

		(/	
Sempling	Point:		Ĺ	

Tree Shot we /Dist alres	Absolute Dominant Indica	"" I Dominance lest worksheet:
Tree Stratum (Plot size:)	% Cover Species? State	Number of Dominant Species
1,		That Are OBL, FACW, or FAC: (A)
Lexulus Maintarpa	33 7 -110	Total Number of Dominant Species Across All Strats: (B)
(a)	75 - 75	Species Across All Strata: (b)
4. Prunni Strotina	20 / FAC	
5		That Are OBL, FACW, or FAC: (A/B)
6		Prevalence Index worksheet:
7.		
	7 = Total Cover	
	= Iotal Cover	
Sanling/Shrub Stratum (Plot size:)		FACW species x 2 =
		FAC species x 3 =
2. Phaman Cothartica	<u> 85 / 7-/1</u>	FACU species x4 =
3	, .	UPL species x 5 =
		Column Totals (5)
5		Prevalence Index = B/A =
		——
6		1 - Rapid Test for Hydrophytic Vegetation
7	= Total Cover	2 - Dominance Test is >50%
	_O = Total Cover	3 - Prevalence Index is ≤3.0¹
Herb Stratum (Plot size:)		4 - Morphological Adaptations ¹ (Provide supporting
2. Phannes cothartica	60 FA	data in Remarks or on a separate shest)
		Problematic Hydrophytic Vegetation¹ (Explain)
3		¹Indicators of hydric soil and wetland hydrology must
4	- 	be present, unless disturbed or problematic.
5		
6		Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7		at breast height (DBH), regardless of height.
8		
9.	_ 	and greater than or equal to 3.28 ft (1 m) tall.
10		
11		of size, and woody plants less than 3.28 ft tail.
12.		Woody vines - All woody vines greater than 3.28 ft in
	しつ = Total Cover	height.
Manda Man Charles (Distance)	- Total Cover	
Woodv Vine Stratum (Plot size:)		
1		
2		
3		Hydrophytic
4.		Vegetation
	= Total Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate		
	J. 100.17	
ĺ		

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	V
Sampling Point:	

	ription: (Describe	to the dep			lcator or confin	m the absence	of Indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Features %	'vice' Loc	Texture	Remarks
THIMPINA	TANKI III WANT		GONA WINDHU				
0-13	7.54R2.5/1	700				5:14/00	9m
/3-20	7.54R 3/3	/00				Sanly	lan
						-	
'Type: C=C Hydric Soil	oncentration, D=Dep	letion, RM	Reduced Matrix, M	S=Masked S	and Grains.		PL=Pore Lining, M=Matrix.
Histosol Histic E Black Hi Hydroge Stratifier Deplater Thick Da Sandy N Sandy F Stripped			Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Depress) ace (S9) (LRi Mineral (F1) (Matrix (F2) ((F3) rface (F6) Surface (F7)	R R, MLRA 1491 LRR K, L)	2 cm M Coast I B) 5 cm M Dark S Polyval Thin Do tron-Ma Mesic S Red Pa Very Si	for Problematic Hydric Soils ¹ : luck (A10) (LRR K, L, MLRA 149B) Prairie Redox (A16) (LRR K, L, R) lucky Peat or Peat (S3) (LRR K, L, R) luce (S7) (LRR K, L) luce Below Surface (S8) (LRR K, L) luce Below Surface (S8) (LRR K, L) luce Below Surface (S9) (LRR K, L) luce Below Surface (S9) (LRR K, L) luce Below Surface (S9) (LRR K, L) luce Below Surface (S9) (LRR K, L) luce Below Surface (S9) (LRR K, L) luce Below Surface (TF12) (MLRA 149B) luce Figure Surface (TF12) luce Below Surface (TF12) luce Below Surface (TF12) luce Below Surface (TF12)
	f hydrophytic vegeta		tland hydrology mu	st be present	, uniess disturbe	d or problematic	i.
Restrictive Type: Depth (in	Layer (if observed):		-			Hydric Soil	Present? Yes No
Remarks:	w.ea).		······································				

WETLAND DETERMINATION DATA FO	DRM - Northcentral and Northeast Region
Projectiste Sielinski Trague Kord City	County Was lesha sampling Date: 129 + 5/3/
Applicant/Owner:	State: Sampling Point:
	tion, Township, Range: Sec. 13 TSUR/7E
Landform (hillstope, tedrace, etc.): ///// Local re	eller (concave, convex, none):
Subregion (LRR or MLRA): Lat:	Long: Dątum:
Soll Map Unit Name: Warsaw Loan WeA	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes Cec Tarb dr / (If no. explain in Remarks.)
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
1/11.	
Itallow edge of Field	
1. ,	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leav	ves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B1:	·
Saturation (A3) Marl Deposits (B15	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sutfide C	
1	eres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduc	· · · —
1 — · · · · · —	tion in Tilled Soils (C6) Geomorphic Position (D2)
Iron Daposits (B5) Thin Muck Surface	· · · · · · · · · · · · · · · · · · ·
Inundation Visible on Aerial Imagery (B7) Other (Explain in R	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches):	
	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	
remarks.	

ı	F	3FT	ΔΤί	ON	-11	98	scientific	names	οf	nlants
	E 1	361	M11	vĸ	- 4	30		11611160	u	Dialita.

Sempling Point:

Tree Stratum (Ptot size:)		minant Indicator	Dominance Test worksheet:
1.			Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2 3			Total Number of Dominant Species Across All Strate:
4			Percent of Dominant Species
5			That Are OBL, FACW, or FAC:
6			Prevalance Index worksheet:
7	= To		Total % Cover of: Multiply by:
Saolina/Shrub Stratum (Plot size:)	= 10	nai Cover	OBL species x 1 = FACW species x 2 =
		i	FAC species x 3 =
2			FACU species x 4 =
3			UPL species x 5 =
4			Column Totals: (A) (B)
5			Prevalence Index = B/A =
в			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophytic Vegetation
	= To	otal Cover	2 - Dominance Test is >60%
Herb Stratum (Piot size:)			3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations1 (Provide supporting
18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30	1 = 1	data in Remarks or on a separate sheet)
2. Barbares Vulcaris	_ <u> </u>	<u> </u>	Problematic Hydrophytic Vegetation¹ (Explain)
a. Cirsium avrense	60	1-11U	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5.		FALL	Definitions of Vegetation Strata:
6. Solidasu Sigantes	70		Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8 9			Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tail.
10			Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tail.
12.	<u> </u>	tal Course	Woody vines - All woody vines greater than 3.28 ft in height.
Woody Vine Stratum (Plot size:)	(DIRII COVET	
1			
2			
3			Hydrophytic
4			Vegetation Present? Yes No
		otal Cover	
Remarks: (Include photo numbers here or on a separate	e sheet.)		

Sampling Point: 9

}		to the dep	th needed to docum			or confirm	the absence of l	ndicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	k Features %	Type	Loc2	Texture	Remarks
0-15	754125/1	100					5:14/00	âm
<u>/5-20</u>	75-1R 5/1	98	104R5)3	2	<u>C</u>	À	sil+loa	n
		letion, RM	=Reduced Matrix, MS	S=Masked	Sand Gr	eins.		L≂Pore Lining, M=Matrix.
Histoso Histic E Black H Hydroge Stratifie Deplete Thick D Sandy N Sandy N Derk Su	Hydric Soil Indicators: Histosol (A1) — Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) — Thin Dark Surface (S9) (LRR R, MLRA 149B Hydrogen Sulfilde (A4) — Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) — Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) — Depleted Matrix (F3) Thick Dark Surface (A12) — Redox Derk Surface (F6) Sandy Mucky Mineral (S1) — Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) — Redox Depressions (F8) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B)					2 cm Mucl Coest Prai 5 cm Mucl Dark Surfe Polyvalue Thin Dark Iron-Mang Pledmont Mesic Spo Red Parer Very Shall Other (Exp	Problematic Hydric Soils ³ : k (A10) (LRR K, L, MLRA 149B) irie Redox (A16) (LRR K, L, R) ky Peat or Peat (S3) (LRR K, L, R) ace (S7) (LRR K, L) Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) sanese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 149B) odic (TA6) (MLRA 144A, 145, 149B) nt Material (F21) low Dark Surface (TF12) plain in Remarks)	
Restrictive	Layer (if observed):	ION GIRG W	etland hydrology mus	t na biase	nn, unues	s disturbed	or problematic.	
Type: Depth (in	ches):						Hydric Soil Pre	esent? Yes No
Remarks:								

, WETLAND DETERMINATION DAT	A FORM Northcentral and Northeast Region
Project/site: Die/inski Spragne Road	City County War (esha sampling Date 729 + 5/3/
Applicant/Owner:	State: Sampling Point:
Investigator(s): Meyer hertinsk!	Section, Township, Range: Sec. 13 TSUR/7E
Landform (hillstope, terrace, etc.): 1/15/0pc	ocal relief (concave, convex, none): Slope (%):
Subregion (LRR or MLRA):	Long: Datum:
Soil Map Unit Name: Adrigh Mick Ac	NWI classification: E2KF
Are climatic / hydrotogic conditions on the site typical for this time of y	
Are Vegetation, Soil, or Hydrology significanti	
	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	is the Sampled Area
Hydric Scil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
HYDROLOGY	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:	
Primary indicators (minimum of one is required; check all that apply	•
1 - / ' -	d Leaves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Faun: Saturation (A3) Marl Deposits	
1	fide Odor (C1) Crayfish Burrows (C8)
	cospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
<u> </u>	Reduced Iron (C4) Stunted or Stressed Plants (D1)
<u> </u>	Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Su	· · · · · · · · · · · · · · · · · · ·
	n in Remarks)Microtopographic Reflef (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inche	s):
Water Table Present? Yes No Depth (inche	
(includes capillary fringe)	S): Shr 10 Wetland Hydrology Present? Yes No No
Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections), if available:
Remarks:	
{	

/EGETATION	USe	scientific	names	Oī	piants.

		1	1
Samplina	Point:	10	

The Object of Polish along	Absolute	Dominant Indicator Species? Status	Dominance Test worksheet:
Tree Stratum (Plot size:)	70 (-2174)	Station States	Number of Dominant Species
1			That Are OBL, FACW, or FAC:(A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4			Percent of Dominant Species / /) /)
			Percent of Dominant Species That Are OBL, FACW, or FAC: /// // (A/B)
5			
6			Prevalence Index worksheet:
7			Total % Cover of: Multiply by:
		= Total Cover	OBL species x 1 =
Sepling/Shrub Stratum (Plot size:)			FACW species x2 =
1			FAC species x 3 =
			FACU species x 4 =
2			UPL species x 5 =
3.			Column Totals: (A) (B)
4	<i></i>		
5			Prevalence Index = B/A =
8			Hydrophytic Vegetation Indicators:
7			1 -Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >60%
		= Totel Cover	3 - Prevalence Index is ≤3.01
Herb Stratum (Plot size:)			4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
E Grex Stricta	100	10BC	Problematic Hydrophytic Vegetation (Explain)
3 6 1	/ -		
1. Stincio gigantes	70	FAIN	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1- 3 (1)			Definitions of Vegetation Strata:
6		-	Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7	. 		at breast height (DBH), regardless of height.
8			Sapling/shrub - Woody plants less than 3 in. DBH
9			and greater than or equal to 3.28 ft (1 m) tail.
10			Herb - All herbaceous (non-woody) plants, regardless
11			of size, and woody plants less than 3.28 ft tall.
12.			Woody vines - All woody vines greater than 3.28 ft in
164	110	= Total Cover	height.
l	_//	= 10th Cover	
Woody Vine Stratum (Plot size:)			
1			
2			
3			Hydrophytic
4			Vegetation
		= Total Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate	sheet.)		1
, , , , , , , , , , , , , , , , , , , ,			
1			

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		10
Sampling	Point:	10

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox	Features_				
(inches)	Color (moist)	%	Color (moist)	%1	vice L	oc ²		Remarks
0.00	2 (Jh a -/)	747					That it	
000	7.54225/1	100					muck	
	·							
					— —			
								
IT		latina Ct	Onding of Santain Add				21	a I take Adalah
	oncentration, D=Dep	euon, KM	reduced Matrix, M	-Wasked Si	eniano una	·	² Location: PL=Pon	
Hydric Soil								ematic Hydric Soils³:
Histosol			Polyvalue Belov	-	3) (LRR R,) (LRR K, L, MLRA 149B)
. —	oipedon (A2)		MLRA 149B)					dox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa					t or Peat (S3) (LRR K, L, R)
	in Suifide (A4)		Loamy Mucky N		LRR K, L)		Dark Surface (Si	
	і Layers (Аб)		Loamy Gleyed I	Matrix (F2)			Polyvalus Below	Surface (S8) (LRR K, L)
Deplete	d Below Dark Surfac	e (A11)	Depleted Matrix	(F3)				≫ (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Redox Dark Sur	rface (F6)				Masses (F12) (LRR K, L, R)
	fucky Mineral (S1)		Depleted Dark	Surface (F7)			Pledment Flood	ciain Soils (F19) (MLRA 149B)
Sandy C	Heyed Matrix (S4)		Redox Depress	lons (F8)			Mesic Spodic (T	A6) (MLRA 144A, 145, 148B)
Sandy F	ledox (S5)						Red Parent Mate	erial (F21)
	Matrix (S6)						Very Shallow Da	rk Surfece (TF12)
Dark Su	rface (S7) (LRR R, f	ALRA 149E	3)				Other (Explain in	Remarks)
Į.								
3indicators o	f hydrophytic vegeta	tion and we	tiand hydrology mus	t be present,	unless dis	turbed	or problematic.	
Restrictive	Layer (if observed):				**********		T	
Type:	• •							
" -							Unidade Call Brossant	Yes No
Depth (in	ches):						Hydric Soil Present?	Yes No
Remarks:	 							
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, WĘTL	AND DETERMIN	ATION DATA FOI		al and Northeast Region
Project/Site: Sie/inski	Trague A	Coed Chyc	County Was le	
Applicant/Owner:			<u> </u>	State: Sampling Point:
Investigator(s): MP 1/2 r	hertinsk.		on, Township, Range:	Sec. 13 TSH RITE
Landform (hillstope, terrace, etc	.): M:11510 A	Local reil	lef (concave, convex,	none): $CDVYX$ Slope (%): $L=3C$
Subregion (LRR or MLRA):	Lat:	:	Long:	Datum:
Soil Map Unit Name: CASC	U-Rudman (omalex C	v D	NWI classification:
Are climatic / hydrologic condition	ons on the site typical fo		es lec Report	(If no, explain in Remarks.)
	V_, or Hydrology/	1 P	"	nal Circumstances" present? Yes No
Are Vegetation // Soil /	A A	naturally problems		d, explain any answers in Remarks.)
	· ·		•	tions, transects, important features, etc.
			is the Sampled Are	
Hydrophytic Vegetation Prese		_ No	within a Wetland?	Yes No
Hydric Soil Present?	Yes	_ No		
Wetland Hydrology Present? Remarks: (Explain alternative	Yes	No	If yes, optional Wette	and Site ID:
HYDROLOGY				
Wetland Hydrology Indicato	rs:	·		Secondary Indicators (minimum of two required)
Primary Indicators (minimum	of one is required; chec	k all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)		Water-Stained Leave	es (B9)	Drainage Patterns (B10)
High Water Table (A2)		Aquatic Fauna (B13)		Moss Trim Lines (B16)
Seturation (A3)		Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	emani	Hydrogen Sulfide Od	• •	Crayfish Burrows (C8)
Sediment Deposits (B2)			res on Living Roots (C	
Drift Deposits (B3)		Presence of Reduce	• •	Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Algal Mat or Crust (B4) Iron Deposits (B5)		Thin Muck Surface (on in Tilled Soils (C6)	Shallow Aquitard (D3)
Inundation Visible on Aer	iel Imenery (R7)	Other (Explain in Re	•	Microtopographic Relief (D4)
Sparsely Vegetated Cond	- · · · -	Ono (Explain in two	,narro,	FAC-Neutral Test (D5)
Field Observations:				
Surface Water Present?	Yes No	Depth (inches):		
Water Table Present?		Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes No	Depth (Inches):		nd Hydrology Present? Yes No
Describe Recorded Data (stre	am gauge, monitoring	well, aerial photos, pre	evious inspections), if	avallable:
Remarks:				
1				

		1 A167 -		- 6 1 4
/EGETATION -	· USe	SCIENTING	names	or Diants.

		//	
Sampling	Point:	//	

	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	76 COVER	Species? Status	Number of Dominant Species
1. Acer her will	70	77.11	That Are OBL, FACW, or FAC: (A)
l / `	70		Total Number of Dominant
4. Phunhs seroting			Species Across All Strata: (B)
4. Trunhiseroting	70	1 13/1(U	Percent of Dominant Species That Am ORI FACW or FAC: (A/R)
5			That Are OBL, FACW, or FAC: (A/B)
6			Prevalence index worksheet:
7.			Total % Cover of: Multiply by:
	20	= Total Cover	OBL species x1 =
Sapling/Shrub Stratum (Plot size:)		, , , , , , , , , , , , , , , , , , , ,	FACW species x2 =
			FAC species x 3 =
2. Phannas Cothartice	705	FAL	FACU species x 4 =
1			UPL species x 5 =
3			Column Totals: (A) (B)
4			
S			Prevalence Index = B/A =
8			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophytic Vegetation
	65	= Total Cover	2 - Dominance Test is >50%
Herb Stratum (Piot size:)			3 - Prevalence Index is ≤3.01
1	<u> </u>		4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Phanny Cithartica	30	FAC	Problematic Hydrophylic Vegetation¹ (Explain)
3.			¹ Indicators of hydric soil and wetland hydrology must
4. Cirsian avorse		FACH	be present, unless disturbed or problematic.
5		•	Definitions of Vegetation Strata:
6			_
7			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8			Sapting/shrub - Woody plants less than 3 in. DBH
9	_		and greater than or equal to 3.28 ft (1 m) tell.
10			Herb - All herbaceous (non-woody) plants, regardless
11			of size, and woody plants less than 3.28 ft tail.
12.			Woody vines - All woody vines greater than 3.28 ft in
	70	= Total Cover	height.
Woody Vine Stratum (Plot size:)			
1			
2			
3.			Modernatude
f .			Hydrophytic Vegetation
4			Present? Yes No
Remarks: (Include photo numbers here or on a separate	shoot \	= Total Cover	
i romano. Immoro priori minoro noro di di a saperata	511 00 (.)		
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Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redo	x Features	Trees	15.7	Tankur-	Demodes
(inches)	Color (moist)	_%	Color (moist)		Type	Loc2	Texture	Remarks
	· 				-			<i></i>
10-/6	7.5422.5/1	100					5:1+/	2912
				. ——				
		•		· ·				
								
16-20	25/13/3	180					56hd41	oam w/ 10% (164e)
1.3.3	· · · · · · · · · · · · · · · · · · ·	 						
	•			·				***************************************
	· ·			• •				
	Concentration, D=Dep	ellon, RM	Reduced Matrix, M	S=Masked	Sand Gra	ilns.		PL=Pore Lining, M=Matrix.
1	Indicators:					_		for Problematic Hydric Solis ³ :
Histoso	• •		Polyvalue Belo		58) (LRR	l R,		luck (A10) (LRR K, L, MLRA 149B)
	Epipedon (A2) tistic (A3)		MLRA 1498 Thin Dark Surfi		IM Q QQ	DA 149R		Prairle Redox (A16) (LRR K, L, R) lucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Mucky I					urface (S7) (LRR K, L)
	ed Layers (A5)	•	Loamy Gleyed			-,		lue Below Surface (S8) (LRR K, L)
	ed Below Dark Surfac	æ (A11)	Depleted Matri					ark Surface (S9) (LRR K, L)
Thick D	ark Surface (A12)		Redox Dark Su	rface (F6)				anganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)	,	Depleted Dark		7)			ent Floodplain Soils (F19) (MLRA 148B)
	Gleyed Matrix (S4)		Redox Depress	ilons (F8)				Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							erent Material (F21)
	d Matrix (S6) urface (S7) (LRR R, I	KI DA 4400	١.					hallow Dark Surface (TF12) Explain in Remarks)
	enace (or) (End it, i	MLIUN 1750	·)				One (Explain in Remarks)
3tndicators	of hydrophytic vegets	tion and we	tiand hydrology mu	st be preser	nt, unless	disturbed	or problematic	•
	Layer (if observed):			<u>-</u>			T	
Туре:								. /
Depth (li	nches):						Hydric Scill	Present? Yes No
Remarks:							<u> </u>	
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I								

WETLAND DETERMINATION DATA FORM - N	orthcentral and Northeast Region
Project/Site: Sie/inski Tragne Kord City/County)	Wan lesha sampling Date: 129 + 5/3/
Applicant/Owner:	State: W = Sampling Point: # 120
Investigator(s): Meyer hertinsk! Section, Town	ship, Range: Sec. 13 TSUR17E
Landform (hillstope, tegrace, etc.): / Cut / Local relief (conc	ave, convex, none): Stope (%):
Subregion (LRR or MLRA): Lat:	Long: Datum:
Soil Map Unit Name: Warsah Loam WeA	NWI classification: NWI
Are climatic / hydrologic conditions on the site typical for this time of year? Yes 100	
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	
I to the	Sampled Area
Hydrophydd yegeladon Presentr 1es 140	a Wetland? Yes No
1 '	optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	passing, violaties one to t
Croptical	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Mari Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Lin	- ' '
Drift Deposits (B3) Presence of Reduced Iron (C Algal Mat or Crust (B4) Recent Iron Reduction in Tills	·
Iron Deposits (B5)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (87) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Fleid Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	_
Saturation Present? Yes No Depth (Inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, serial photos, previous in	spections), if available:
Remarks:	
	j
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EGETATION - Use scientific names of plants				
Tree Stretum (Plot size:)	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
				Number of Dominant Species
•				That Are OBL, FACW, or FAC:(A)
				Total Number of Dominant
•				Species Across Ali Strata:(B)
•		. ———		Percent of Dominant Species
•				That Are OBL, FACW, or FAC: (A/B)
i				Prevalence Index worksheet:
•				Total % Cover of: Multiply by:
		_ = Total Cov		OBL species x1 =
Sanilani/Dhaib Steetum /Dist glyg:			5.	FACW species x2 =
Septing/Shnub Stratum (Plot size:)				FAC species x3 =
•				FACU species x4 =
P				UPL species x5 =
)				Cotumn Totals: (A) (B)
J				Column 10466.
3				Prevalence Index = B/A =
3				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
·				2 - Dominance Test is >50%
		_ = Total Cov	er	3 - Prevalence Index is \$3.01
Herb Stratum (Piot size:)				4 - Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				Problematic Hydrophytic Vegetation ¹ (Explain)
3				1.
4.				¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
8. <u> </u>				Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
В				Sapting/shrub - Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tail.
10				Herb - Ail herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines - All woody vines greater than 3.28 ft in
16.				height.
		_ = Total Cov	er	
Woody Vine Stratum (Plot size:)				
1				.
2				
3				Hydrophytic
4				Vegetation
		= Total Cov	ADT .	Present? Yes No
Remarks: (Include photo numbers here or on a separate	e sheet.)			<u></u>
•		= . /	1	
10% Gerial Cover No volunteer ve	ot.	Sixt	Paks	
1/2 Whyteer ve	He ta	tim	PH	csent

		/	9
amplina	Point:	- (_

SOIL

Profile Desc	cription: (Describe t	o the dept	h needed to docur	nent the l	ndicator	or confirm	the absence	of indicate	rs.)	
Depth	Matrix		Redo	x Features	3		-		D	1
(inches)	Color (moist)	_%	Color (malst)		Type	Loc2	Texture		Remarks	
0-10	7.5/2 2.5/2	700					Sanda	1091	2	
2,0	7-5/10-01-70							1-1-1-		
							,			1
10 00	7510 7/2	7/1.)				***************************************	Toany	Car	T	
10-20	7.54123/3	100					Toany	30/h	€	
	·						/			1
									· <u>· · · · · · · · · · · · · · · · · · </u>	
			· · · · · · · · · · · · · · · · · · ·							
										
ITHESE CO.	Annantesian Cultura	Intion Page	Padusad Maldu 11	Caltacks	d Sond On		2) seation	. DiDa.	Lining, M=Matr	
	Concentration, D=Dep Indicators:	BUCH, KM	reduced Matrix, M	o-waske(DANG GE	uits.			matic Hydric S	
1 -			D-11 D-1-	0	/00\ // DI				-	
Histoso	• •		Polyvalue Belo		(38) (LKI	Κ Κ ,			(LRR K, L, MLI	
	ipipedon (A2)		MLRA 1498	•	00 0 M	DA 4400			lox (A16) (LRR	
. —	listic (A3)		Thin Dark Surf						or Peat (S3) (L) (LRR K, L)	KK N, L, K)
	en Suifide (A4) ed Layers (A5)		Loamy Mucky i Loamy Gleyed			, L <i>)</i>) (LRR R, L) Surface (S8) (Li	DD K I/
	id Below Dark Surfac	o /844\	Coality Gloyed Depleted Matri	-	•7				(S9) (LRR K,	
	lark Surface (A12)	9 (17 17)	Redox Dark St		i				Masses (F12) (L	
	Mucky Mineral (S1)		Depleted Dark						ain Sciis (F19)	
	Gleyed Matrix (S4)		Redox Depress						6) (MLRA 144 <i>A</i>	
	Redox (S5)		redux Depress	MO115 (1 O)				arent Mater		4 .40, .400,
	d Matrix (S6)								k Surface (TF12	2)
	urface (S7) (LRR R, N	81 PA 149P	11					(Explain in		7
	endo (or) (and ri		•					(2)		
³ Indicators	of hydrophytic vegeta	tion and we	tland hydrology mu	st be pres	ent. unles	s disturbed	l or croblemath	G.		
	Layer (if observed):		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				1			
Туре:										
			-				Mandala Call	Bussenta	Vaa	No /
Depth (ir	nches):						Hydric Soll	Present?	Yes	NO
Remarks:							_			
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, WETLAND DETERMINATION DATA FORM -	Northcentral and Northeast Region
Project/Site: Lie/inski Tragne Road City/County	11-1-1
Applicant/Owner:	State: Sampling Point: ##/3/h
	wnship, Range: Sec. 13 TSA R/7E
Landform (hillstope, terrace, etc.): 1/1/5/3/10 Local relief (co	ncave, convex, none): CON MX Slope (%):
Subregion (LRR or MLRA): / Lat:	Long: Datum:
Soll Map Unit Name: Atrian music Ac	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	ecTash Jr / (If no. explain in Remarks.)
11/ A2 AF	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	
i Hvoropovic vedeliškom Presentra i ros v / i i v	ne Sampled Area
Hydric Soil Present? Yes No With	ıln a Wetland? Yes No
Wetland Hydrology Present? Yes No If ye	s, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
LIVEROLOGY	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16) Dry-Season Water Table (C2)
Saturation (A3) Mari Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C	•
Sediment Deposits (B2) Oxidized Rhizospheres on	<u> </u>
Ordit Deposits (B3) Presence of Reduced Iron	- · · · · · · · · · · · · · · · · · · ·
Algal Mat or Crust (B4) Recent Iron Reduction in 1	· · · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Fleid Observations:	
Surface Water Present? Yes No Depth (Inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): Stay For (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	Inspections), if available:
Remarks:	
	İ

١	/EGET	ATION .	- Use	sclentific r	names	of plants.

	Absolute Dominant Indicator	
Tree Stratum (Plot size:)	% Cover Species? Status	Number of Dominant Species ()
1		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6		- Matrie Obe, 1 AOV, of 1 AO.
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
Saplina/Shrub Stratum (Plot size:)		FACW species x 2 =
1		FAC species x3 =
2		FACU species × 4 =
		UPL species x 5 =
3		Column Totals: (A) (B)
4		_
6		Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators:
8		1 - Rapid Test for Hydrophytic Vegetation
7		-1
	= Total Cover	2 - Dominance Test is >60%
Herb Stratum (Plot size:)		3 - Prevalence Index is ≤3.01
1		4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Joli dago gigantea	30 / FALL	Problematic Hydrophytic Vegetation¹ (Explain)
3.		- Hadisələr of huddə edilər düyetirə dibi dalamı
4. Solidara Canadensis	25 V FACE	'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6. Covex stricts	30 J OBC	- Definitions of Vegetation Strata:
6. Chret STricTa	_ 30000	Tree - Woody plants 3 In. (7.6 cm) or more in diameter
7		at breast height (DBH), regardless of height.
8. (arex tellita	OBL	Continuishment Meader less than 0 in 501
		Sapling/shrub — Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tell.
10 Cares Tribuloider	2 FACL	T
101- art 1/104/0/des	2 FACL	
11.		of size, and woody plants less than 3.28 ft tail.
12. Por tratensis	10 FAC	Woody vines - All woody vines greater than 3.28 ft in
12-1-1-1		height.
· ·	<u>∠∪2</u> = Total Cover	
Woody Vine Stratum (Plot size:)		
1,		
2		-
3		_ Hydrophytic
4		Vegetation Present? Yes No
	= Total Cover	10001111 100
Remarks: (Include photo numbers here or on a separate		

	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth (inches)	Color (moist)	- %	Color (moist)	Features .	Type'	Loc2	Texture		Remarks	
0-13	7.5412.5/1	100					MACK			
13-20	7.51/2/2	<u>98</u>	101/17 4/6	2	C	M	Sandy.	Dan		
¹Type: C=C	oncentration D=Den	letion RM	=Reduced Matrix, MS	=Masked S	and Gr		² l ocation	Pi =Pore i	Ining, M≃Matri	······································
		icuon, iun	-Neduced Wildlin, Mic	-Wasked C	ano Gr	1110.			natic Hydric S	
						2 cm M Coast N 5 cm M Polyva Thin D tron-M Pledm Mesic Red P Very S Other	duck (A10) (Prairie Redo ducky Peat o lurfece (S7) lue Below S lark Surface langanese M ont Floodpia Spodic (TA6 arent Materi lihallow Dark (Explain in F	LRR K, L, MLR ox (A16) (LRR F or Peat (S3) (LF (LRR K, L) urface (S8) (LR (S9) (LRR K, L lasses (F12) (L lin Soils (F19) (i i) (MLRA 144A al (F21) Surface (TF12	A 149B) (, L, R) (R K, L, R) (R K, L) () (R K, L, R) (R K, L, R) (R K, L, R) (MLRA 149B) (145, 149B)	
Type: Depth (in	Layer (if observed): ches):	· · · · · · · · · · · · · · · · · · ·					Hydric Soil	Present?	Yes	No
Remerks:										

WETLAND DETERMINATION DATA FORM -	Northcentral and Northeast Region
Project/Site: Sie/inski Tragne Kord City/County	Wan 105/1 Sampling Date: 129 + 5/31 2024
Applicant/Owner:	State: Wind Sampling Point: #/44/
The set of the set of	waship, Range: Sec. 13 TSUR/7E
Landform (hillistope, tetrace, etc.): 1/1/5/0 ne Local relief (cor	ncave, convex, none): Slope (%):
Subregion (LRR or MLRA):Lat:	Long: Datum:
Soll Map Unit Name: CGJCO-RJEMAN CIMPLEL CX	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	ec Tagh or (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation	(If needed, explain any answers in Remarks.)
	int landiana transacta important factures ata
SUMMARY OF FINDINGS - Attach site map showing sampling	g point locations, transacts, important leadines, etc.
	e Sampled Area In a Wetland? Yes No
Hydric Soil Present? Yes No	
Wetland Hydrology Present? Yes No If yes Remarks: (Explain alternative procedures here or in a separate report.)	s, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary indicators (minimum of two required)
Primary indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (86)
Surface Water (A1) Water-Stained Leaves (B9)	, , ,
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Mari Deposits (B15)	Dry-Season Water Table (C2) Crayfish Burrows (C8)
Water Marks (B1) Hydrogen Sulfide Odor (C1 Sediment Deposits (B2) Oxidized Rhizospheres on	
Oxidated Population (D2) Oxidated Inch	• • • • • • •
Algel Mat or Crust (B4) Recent Iron Reduction in T	
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	<u> </u>
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, serial photos, previous	Inspections), if available:
Remarks:	
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VEGETATION -	· Use	scientific	names	٥f	olants.
FOR IVIION -	. 000		11011100	v.	pron no.

Sampling Point: ________

The Chalma (Dishalas)	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	75 COVER	Species? Status	Number of Dominant Species
2. Act negando	90	FAC	That Are OBL, FACW, or FAC: (A)
V			Total Number of Dominant Species Across All Strate: (B)
3.			
4			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6			That Are Obl., PACV, of PAC(As)
6			Prevalence Index worksheet:
7	- 65 -		Total % Cover of: Multiply by:
	15	= Total Cover	OBL species x1 =
Sanling/Shrub Stratum (Plot size:)			FACW species x2 =
1		·	FAC species x3 =
2. Zanthoxylum americanum	15	1-ACU	FACU species x4 =
/ , ,			UPL species x5 =
4. Rhamphy Cethartica	45	TIAL	Column Totals: (A) (B)
		•	Prevalence Index = B/A =
5			Hydrophytic Vegetation indicators:
6	-		1 -Repid Test for Hydrophytic Vegetation
7	70		2 - Deminance Test is >50%
	00	= Total Cover	3 - Prevalence Index is ≤3.0¹
Herb Stratum (Plot size:)		_	4 - Morphological Adaptations' (Provide supporting
2. Rhamnus callentica	25	FAL	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation' (Explain)
3.			
4			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5			Definitions of Vegetation Strata:
6			
7			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8	<u> </u>		Sapling/shrub Woody plants less than 3 in, DBH
9		· 	and greater than or equal to 3.28 ft (1 m) tail.
10			Herb - All herbacecus (non-woody) plants, regardless
11			of size, and woody plants less than 3.28 ft tall.
12.			Woody vines - All woody vines greater than 3.28 ft in
	25	= Total Cover	height.
Woody Vine Stratum (Plot size:)	4.	,	
•			
1			
2			
3			Hydrophytic Vegetation
4			Present? Yes No
Remarks: (Include photo numbers here or on a separate	abaat '	= Total Cover	
Remarks: (include prioto numbers nere or on a separate :	Sneet.)		
1			

Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of Indicators.)								
Depth	Matrix		Redo	x Features	1			_
(inches)	Color (maist)	%	Color (moist)	%	Tyce'	Loc	Texture	Remarks
								,
10-11	7.5-12.5/1	<u></u>					Silt	1.201
V70	[1]]/(d, 4/1	LUV.					71141	CEIP
				,				
l 		· -				,		
16-20	75423/3	100					SALL	10gm
· M				,				
	~							

				• ——			•	
		· -						
l								
Type: C=C	concentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	Sand G	raing.	2Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil		100011, 1000		<u></u>		411701	Indicators	of or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belov	an Quirigea	/69) (I B	- D D		Muck (A10) (LRR K, L, MLRA 149B)
. —	pipedon (A2)	•	MLRA 149B)		(90) (=14)	Λп,		Preirie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surfa	•	N cce	" DA 4/08		
. —	• •	•					. —	Mucky Peat or Peat (S3) (LRR K, L, R)
	en Suifide (A4)	•	Loamy Mucky N			., L)		Surface (S7) (LRR K, L)
. —	d Layers (A5)	4444	Loamy Gleyed I		,			alue Below Surface (S8) (LRR K, L)
	d Below Dark Surface	8 (A11) .	Depleted Matrix					Dark Surface (S9) (LRR K, L)
	ark Surface (A12)	•	Redox Dark Su					Manganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)	•	Depleted Dark	•	•			nont Floodpisin Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)	•	Redox Depress	ilons (F8)				Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							Parent Material (F21)
	d Matrix (S6)							Shallow Dark Surface (TF12)
Dark Su	uface (97) (LRR R, f	ALRA 149B	·)				Other	(Explain in Remarks)
1.								
	of hydrophytic vegetal		tiand hydrology mur	st be prese	ant, unles	s disturbed	d or problemati	c.
Restrictive	Layer (if observed):	,					T	
Туре:							1	
"	abaalı		,				Hydric Sci	Present? Yes No
Depth (in	iches):						,	111000m1 100
Remarks:					-			
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WETLAND DETERMINATION DATA FOR	RM - Northcentral and Northeast Region
Project/site: Sielinski Traine Kord Cityle	
Applicant/Owner:	State: Sampling Point: #75
	n, Township, Range: Sec, 13 T SU R/7E
	ef (concave, convex, none):Slope (%):
Subregion (LRR or MLRA): Lat:	Long: Datum:
Soll Map Unit Name: Kune Silt Jan Ken	NWI classification: FOKF
Are climatic / hydrologic conditions on the site typical for this time of year? You	35 Per Tegh dr (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturt	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS - Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Scil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate report.)	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soli Cracks (86)
Surface Water (A1) Water-Stained Leave	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Ode	— — — — • · · ·
	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Algal Mat or Crust (B4) Recent Iron Reductio	- · · · - /
Iron Deposits (B5) Thin Muck Surface (C	· · · · · · · · · · · · · · · · · · ·
inundation Visible on Aerial Imagery (B7) Other (Explain in Ren	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (Inches):	
Water Table Present? Yes NoDepth (inches):	
Seturation Present? Yes No Depth (Inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
1	

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1		76.	~''	~17	_	000		11011100	··	Picci ito.

	/
Sampling Point:	/-

	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species? Status	Number of Dominant Species
1			That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across Ali Strata: (B)
4.			Percent of Dominant Species //)
			That Are OBL, FACW, or FAC: (A/B)
6			
6			Prevalence Index worksheet:
7			Total % Cover of: Multiply by:
		= Total Cover	OBL species x 1 =
Saplina/Shrub Stratum (Plot size:)			FACW species x 2 =
		_	FAC species x 3 =
1. Salix discolor	- 7	FACI	FACU species x 4 =
2. 3/1 15 (130 170)	_		UPL species x 5 =
3			Column Totals: (A) (B)
4			(1)
5			Prevalence Index = B/A =
6			Hydrophytic Vegetation Indicators:
7			
	7	= Total Cover	2 - Dominance Test is >50%
Mark State on ASIat along		- Total Gover	3 - Prevalence Index is \$3.01
1. Physical Ghotal 1	15	FALW	4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate shest)
2. Chrium avvenue	-	FAIN	Problematic Hydrophytic Vegetation¹ (Explain)
3. Juncas dudles	- 	FACY.	
3. JOHCH AUGIET	<u> </u>		Indicators of hydric soil and wetland hydrology must
4. Solidajo xixaxtea	30	FACIL	be present, unless disturbed or problematic.
5. Slide o Chacdenii	10	FOCH	Definitions of Vegetation Strata:
6. Grum aleppican	<u>ک</u> _	FAL	
7. Poa matentis	25	FAL	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8. Carely cristatella	5	FACW	
e. Pancus Caruta	7	UPL	Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10. Eleocharis Dalustin	- 3 -	OBL	
	- -		Herb - All herbacecus (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11. Barbarea vulfaris		<u> </u>	or size, and woody plants less than 5.20 it tall.
12.			Woody vines - All woody vines greater than 3.28 ft in
	10/	= Total Cover	height.
Woody Vine Stratum (Plot size:)			
1,			
2			
3			Hydrophytic Vegetation
4			Present? Yes No
		= Total Cover	
Remarks: (include photo numbers here or on a separate	sheet.)		
1			

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Complete Baiste	15
Sampling Point:	

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix			Features	L					
(inches)	Color (moist)		Color (moist)	%	Type	Loc	Texture Remarks			
										
1)-/1	251125/1	100					siltloan			
<u> </u>	10 11- x13/1						3.77			
l ————										
10-15	7.54122.5/1	95	11/12 3</td <td>5</td> <td>\mathcal{C}</td> <td>M</td> <td>silt loan</td> <td></td>	5	\mathcal{C}	M	silt loan			
										
1-3	100 11-		201011	34						
15-20	10/R 4/Z	8V	2.575/6	20	<u></u>	M	Clau loan			
	7		, /				1			
			, , , , , , , , , , , , , , , , , , , 							
l								ļ		
l 										
		letion, RM	PReduced Matrix, MS	S=Masked	Sand Gr	eins.	² Location: PL∞Pore Lining, M∞Ms			
1 -	Indicators:						Indicators for Problematic Hydric			
Histoso	` '		Polyvalue Belov		(S8) (LR	RR,	2 cm Muck (A10) (LRR K, L, M			
_	pipedon (A2)		MLRA 149B)				Coast Prairie Redox (A16) (LR			
	listic (A3)		Thin Dark Surfa				· _ · · ·	(LRR K, L, R)		
	en Suifide (A4)		Loamy Mucky N			., L)	Dark Surface (S7) (LRR K, L)	4 00 K 1 \		
	id Layers (A5) id Below Dark Surfac	~ /A44\	Loamy Gleyed I)		Polyvalue Below Surface (S8) (
	lark Surface (A12)	8 (711)	Redox Dark Sur				Thin Dark Surface (S9) (LRR K Iron-Manganese Masses (F12)			
	Mucky Mineral (S1)		Depleted Dark \$				Piedmont Floodplain Scils (F19			
	Glayed Matrix (S4)		Redox Depress	•	•,		Mesic Specie (TA6) (MLRA 14			
	Redox (S5)			10.10 (1 O)			Red Parent Material (F21)	14, 140, 1400)		
	d Matrix (S6)						Very Shallow Dark Surface (TF	:12)		
	urface (S7) (LRR R, N	ALRA 149	B)				Other (Explain in Remarks)	,		
—			•							
³ Indicators of	of hydrophytic vegeta	tion and w	etland hydrology mus	t be prese	ent, unles	s disturbed	l or probl em etlo.			
	Layer (if observed):									
Type:								/		
Depth (ir	selson):						Hydric Soil Present? Yes	No		
	Kales).						1.74.10 00.11 1000.11 100			
Remarks:										
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WETLAND DETERMINATION DATA FOR	RM - Northcentral and Northeast Region
Project/Site: Sie/inski Tragne Kord Chyp	ounty Was 125ha Sampling Date 129 + 5/3/
Applicant/Owner:	State: 1 Sampling Point: 4
	on, Township, Range: Sec, 13 TSU R/7E
Landform (hillistope, tetrace, etc.): // Local rell	ef (concave, convex, none): Slope (%):
Subregion (LRR or MLRA): Lat:	Long: Datum:
Soil Map Unit Name: Kane Silf / Dan Kelt	NWI classification: \(\int \text{DM} \)
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es Sec Report (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing san	ipling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leave	
High Water Table (A2) Aquatic Fauna (B13)	 , ,
Saturation (A3) Mari Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sutfide Od Oxidized Rhizospher	or (C1) Crayfish Burrows (C8) es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Oddized relicospiler Ordized relicospiler Ordized relicospiler Ordized relicospiler	· · · · · · · · · · · · · · · · · · ·
Algel Mat or Crust (B4) Recent Iron Reduction	
tron Deposits (B5) Thin Muck Surface (1
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rei	· · · · · · · · · · · · · · · · · ·
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (Inches):	
Water Table Present? Yes No Pepth (Inches):	
Saturation Present? Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, serial photos, pre	vious inspections), if available:
Remarks:	

,	ECET/	ATION	. I lee	scientific	namoe	of	nlante
У	EGET/	ATION ~	· USe	scientinc	names	Οī	pients.

	Absolute	Dominant		Dominance Test worksheet:		- 1
Tree Stratum (Plot size:)	76 COVEL	Species?	Stame	Number of Dominant Species		}
1				That Are OBL, FACW, or FAC:		(A)
2				Total Number of Dominant		Ì
3				Species Across All Strate:		(B)
				Bassant of Barriage & Species		l
4				Percent of Dominant Species That Are OBL, FACW, or FAC:	·	(A/B)
6				THE PUBLIC POLITICAL PROPERTY OF THE		
6				Prevalence Index worksheet		
7				Total % Cover of:	Multiply by:	_
		= Total Cov	ar .	OBL species	x1=	- }
Outlier Objects Objects of Charles		,	•	FACW species		
Sapling/Shrub Stratum (Plot size:)				FAC species		
1				FACU species		
2						
3				UPL species		
				Column Totals:	(A)	- (B)
4				Prevalence Index = B/A	=	
5						
в				Hydrophytic Vegetation India		
7				1 - Rapid Test for Hydroph		
		= Total Cov		2 - Dominance Test is >50)%	
		, = 10la C0V	G1	3 - Prevalence Index is ≤3	i.0¹	
Hierb Stratum (Plot size:) 1				4 - Morphological Adaptat data in Remarks or on		onting
				Problematic Hydrophytic \	•	n)
2				Trobottiano tryatophyno t	rogomaen (Expen	"
3				¹Indicators of hydric soil and w	etland hydrology m	ust
4				be present, unless disturbed o	r problematic.	
5				Definitions of Vegetation Str	-4	
1				neunitions of Aederstron en	ata:	
6				Tree - Woody plants 3 in. (7.6	icm) or more in dis	meter
7				at breast height (OBH), regard	less of height.	ļ
8				Sapling/shrub - Woody plant	s less than 3 in. DE	3H
9				and greater than or equal to 3		
10.				Herb - All herbacecus (non-w	nadu) planta maar	dlago
3				of size, and woody plants less		01000
11,	~ ~~~~~	• • • • • • • • • • • • • • • • • • • •				
12				Woody vines - All woody vine	e greater than 3.2	Bftin
		= Total Cov	er	height.		
Woody Vine Stratum (Plot size:)						
1						
2						
3				Hydrophytic	ر	
4				Vegetation	No	
		= Total Cov	er	Present? Yes	No	
Remarks: (Include photo numbers here or an a separate	shoot \	. 10.0.1001		1		•
	•	1				
11) d. comil come	1 C	v benn	1			
10% Gerial cover No volunteer ve		7, "		1_		
1 // 1/ 1/ 1/20	onoto	+152	Arc	SPLT		
1 No VUIUNTEEN VE	i ye ic	, ,				
	U		1			
1						
•						

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	•		ĸ.	

Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of Indicators.)								
Depth (factor)	Matrix Color (moint)	<u>%</u>		Feature:	SType	los².	Texture	Remarks
(inches)	Color (moist)		Color (moist)				I BAMIB	Malligins
								/
0-14	7,5122.5/1	100					5/1/	UGA
	7							
								
							111 =	/
14-20	2.51 3/3	98	2.51 576	2	C	M	Sily	Jan
								
								
				-				
								
	concentration, D=Dept	etion, RM	Reduced Matrix, MS	=Maske	Sand Gr	eins.		: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators	for Problematic Hydric Soils ³ :
Histoso	• •		Polyvalue Below		(S8) (LR	R R,		Muck (A10) (LRR K, L, MLRA 149B)
_	pipedon (A2)		MLRA 149B)					Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surfa					Mucky Peat or Peat (S3) (LRR K, L, R)
	en Suifide (A4) d Layers (A5)		Loamy Mucky M Loamy Gleyed N	•		i, L)		Burface (S7) (LRR K, L) tiue Below Surface (S8) (LRR K, L)
	d Below Dark Surface	- (Δ11\	Depleted Matrix	-	•1			erk Surface (S9) (LRR K, L)
-	ark Surface (A12)	, (~ ' ' ',	Redox Dark Sur		١			langanese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Depleted Dark S					ont Floodplain Scils (F19) (MLRA 149B)
	Stayed Matrix (S4)		Redox Depressi	-	•			Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy	Redox (S5)							arent Material (F21)
	d Matrix (S6)							Shallow Dark Surface (TF12)
Dark St	ırface (S7) (LRR R, M	ILRA 1498	3)				Other	(Explain in Remarks)
30					4•			_
	of hydrophytic vegetati Layer (if observed):		HIBRO NYOROLOGY MUS	t be pres	ent, unies	s disturbed	or problemati	3.
I	Layer (it observed):							
Туре:		· · · · · · · · · · · · · · · · · · ·						
Depth (ir	ches):						Hydric Soil	Present? Yes No
Remarks:				·				
ļ								
Ì								
l								
B								

, WETLAND DETERMINATION DATA FO	RM - Northcentral and Northeast Region
Project/site: Lielinski Tragne Kord City	County Was lessa Sampling Date: 729 + 5/3/
Applicant/Owner:	State: Sampling Point:
Investigator(s): MPI/Pr hertinsk! Section	on, Township, Range: Sec. 13 T SH R/7E
Landform (hillstope, terrace, etc.): CENCITION DAIN Local rel	lef (concave, convex, none): CDCGVL Stope (%):
Subregion (LRR or MLRA): Lat:	Long: Datum:
Soil Map Unit Name: Kane Silt / Vam / Celt	NWI classification: FORT
Are climatic / hydrologic conditions on the site typical for this time of year?	'es ec appliant (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation $\underline{\mathcal{N}}$, Soil $\underline{\mathcal{N}}$ or Hydrology $\underline{\mathcal{N}}$ naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophylic Vegetation Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Hydric Soil Present? Yes No	
Wetland Hydrology Present? Yes No No Remarks: (Explain alternative procedures here or in a separate report.)	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary indicators (minimum of one is required; check all that apply)	Surface Soll Cracks (B6)
Surface Water (A1) Water-Stained Leave	
High Water Table (A2) Aquatic Fauna (B13)	_ , ,
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Oc	· · · · · · · · · · · · · · · · · · ·
	res on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	- · · · · · · · · · · · · · · · · ·
	on in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (
Inundation Visible on Aerial Imagery (B7) Other (Explain in Re: Sparsely Vegetated Concave Surface (B8)	marks) Microtopographic Reflef (D4) FAC-Neutral Test (D5)
Field Observations:	PAONEGUA TEST (D3)
Surface Water Present? YesNo Depth (inches):	
Water Table Present? YesNo Depth (inches):	73
Saturation Present? Yes No Depth (inches):	7 Wetland Hydrology Present? Yes No
(inctudes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, serial photos, pre	avious inspections), if available:
	,
Remarks:	

/EGETATION Use	scientific names of plants.	

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2 3				Total Number of Dominant Species Across All Strate: (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5				(12)
6				Prevalence index worksheet:
7				Total % Cover of:Multiply by:
		= Total Co	ver	OBL species x1 =
Sanling/Shrub Stratum (Plot size:)				FACW species x 2 = FAC species x 3 =
1				FACU species x4 =
2				UPL species x5 =
3				Column Totals: (A) (B)
6				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 Rapid Test for Hydrophytic Vegetation
		= Total Co	ver	2 - Dominance Test is >50% 3 - Prevalence Index is \$3.01
Herb Stratum, (Plot size:	40		FAL	4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
\		· 		Problematic Hydrophytic Vegetation¹ (Explain)
3. Juhan dudleyi	JI	<u> </u>	FAW	¹Indicators of hydric soil and wetland hydrology must
5. Silidas sigantes	70		FAIN	be present, unless disturbed or problematic.
6.				Definitions of Vegetation Strata:
7. Da portensis	10		7-126	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
o. Eguisetan avvense	30		FAL	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tail.
11. Scirpus strovirens	20		OBC	Herb – Ail herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12.	7/-			Woody vines - All woody vines greater than 3.28 ft in height.
	767	= Total Co	ver	Trought
Woodv Vine Stratum (Plot size:)				
1				
2				
3				Hydrophytic
4				Present? Yes No
Remarks: (include photo numbers here or on a separate	sheet)	= Total Co	ver	<u> </u>
Transmiss (modes processings strated at all supplies	J.100t.)			
}				

		ノフ
Sampling	Point:	

Profile Des	cription: (Describe	to the dep	th needed to docur	ment the I	ndicator	or confirm	the absence of India	cators.)	
Depth (fachos)	Matrix Color (moist)		Color (moist)	x Faatures %		Loc ²	Texture	Remarks	
(inches)	LOBIT III URBU		CORT UTCHALL	70	1 Ama		I AYMIA	Remeana	
<u>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </u>	37.12 9.11	100							
0-2	7.5412 2.5/1	100		- —			silt/van		
2.11	7.5/122.5/1	9×	111/12 7/6	2	1	14	Silt/oan		
<u> </u>	1.3 11-41.	. <u></u>	1011. 3/-	. 			3,7,7		
. _ , _	15 11/0	-212	121 1/1				 /		
15-20	NYRYIX	<u> 15 K</u>	207R 4/6			M	chyloan		
			<i>,</i>						
	·								
	•	. ——							
		· ——							
	Concentration, D=Dep	letion, RM	=Reduced Matrix, M	S=Masked	Sand Gr	alns.		ore Lining, M=Matrix.	
1 -	Indicators:							blematic Hydric Scils³:	
Histoso	• •		Polyvalue Belo		(S8) (LRI	R,		10) (LRR K, L, MLRA 149B)	
	ipipedon (A2) fistic (A3)		MLRA 1498 Thin Dark Surfa	•	90 Q M	PA 149R)		Redox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R)	
_	en Suifide (A4)		Loamy Mucky !					(S7) (LRR K, L)	
	d Layers (A5)		Loamy Gleyed			. –,		ow Surface (S8) (LRR K, L)	
Despiete	ed Below Dark Surfac	e (A11)	Depleted Matrix	x (F3)			Thin Dark Surf	ace (S9) (LRR K, L)	
	lark Surface (A12)		Redox Dark Su				Iron-Manganese Masses (F12) (LRR K, L, R)		
	Mucky Mineral (S1)		Depleted Dark	•	7)			dplain Soils (F19) (MLRA 149B)	
	Gleyed Matrix (S4) Redox (S5)		Redox Depressions (F8) Masic Spodic (TA6) (MLRA 144A, 145, Red Parent Material (F21)						
. —	d Matrix (S6)							Bieriai (F21) Dark Surface (TF12)	
	urface (S7) (LRR R, A	ALRA 149	B)				Other (Explain	• •	
								•	
	of hydrophytic vegeta		atland hydrology mus	st be prese	ent, unles	disturbed	or problematic.		
	Layer (If observed):	î.							
Type:	· · · · · · · · · · · · · · · · · · ·								
Depth (is	nches):						Hydric Scil Presen	t? Yes No	
Remarks:							· · · · · · · · · · · · · · · · · · ·		
ļ									

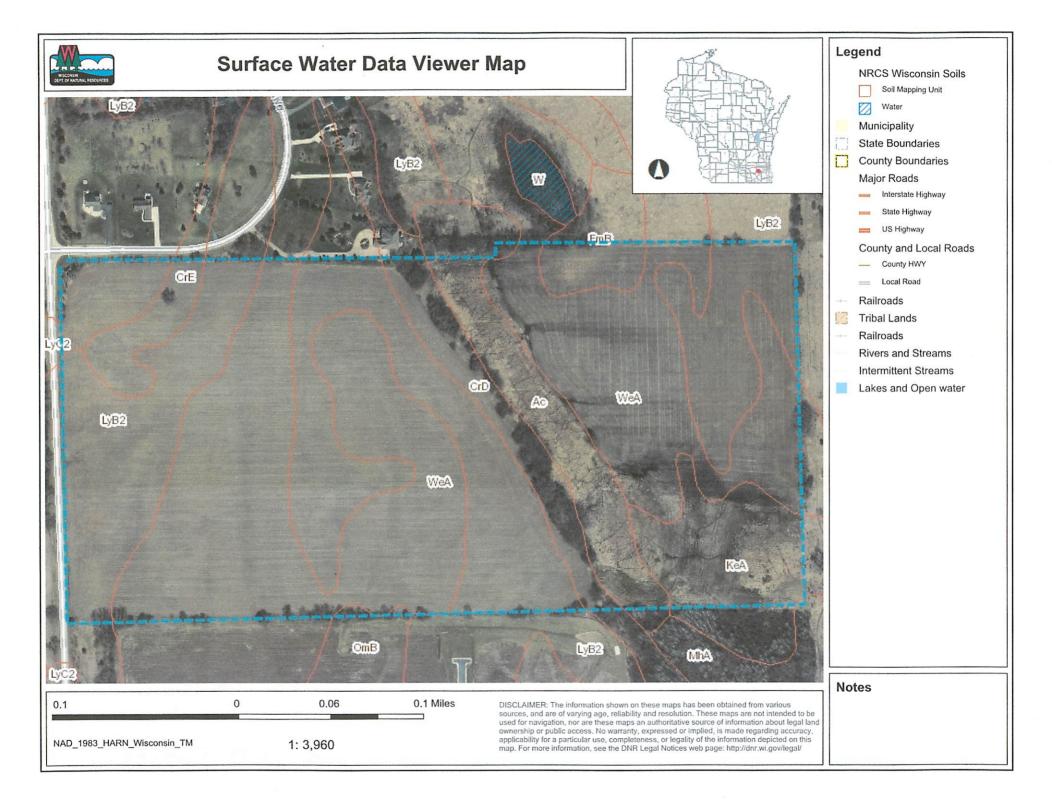
WETLAND DETERMINATION DATA FOR	RM - Northcentral and Northeast Region
Projections Lielinski Tragne Kord Chyp	1, -
Applicant/Owner:	State: Sampling Point:
Investigator(s): MPI/Pr hertinski Section	on, Township, Range: Sec. 13 T SA R/7 E
Landform (hillstope, terface, etc.): \(\landform \landf	lef (concave, convex, none): <u>COh V()</u> Slope (%): 20
Subregion (LRR or MLRA): Lat:	Long: Dstum:
Soil Map Unit Name: CASCO ROAMAN CLD	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
A / A / A / A / A / A / A / A / A / A /	
<u> </u>	
Are Vegetation //, Soil /V, or Hydrology // naturally problem	
SUMMARY OF FINDINGS - Attach site map showing san	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	is the Sampled Area
Hydric Scil Present? Yes No	within a Wetland? Yes No
Welland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
HADDOL OOA	
HYDROLOGY	Consenders Indicateur (minimum of true provided)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leave	_ , ,
High Water Table (A2) Aquatic Fauna (B13) Saturation (A3) Marl Deposits (B15)	twoss thin Edges (516) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Oc	
1 —	res on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	* ' '
1 · · · · · · · · · · · · · · · · · · ·	on in Tilled Soils (C6) Geomorphic Position (D2)
iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Re	marks) Microtopographic Retlef (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (Inches):	
Water Table Present? Yes No/ Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, serial photos, pro	vious inspections), if available:
Remarks:	

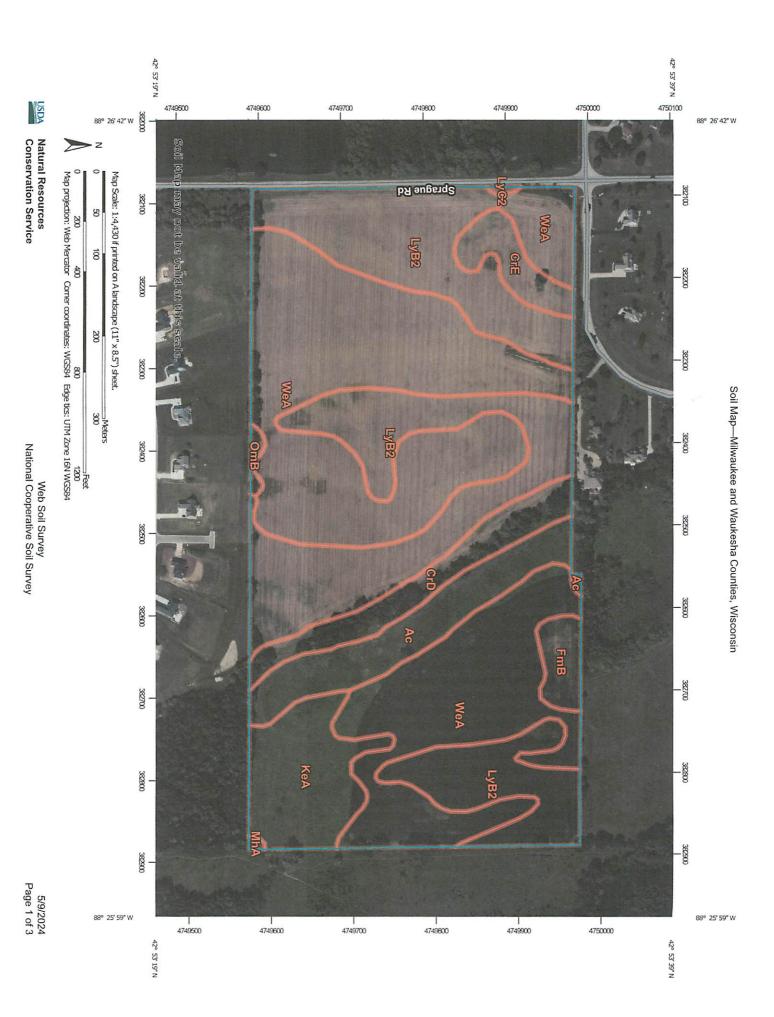
/EGETATION ~	l Isa	scientific	names	of plants.
/EGE A IUN =	COO		11011100	UI PIRITIO.

Tour Charles (Dish size)	Absolute Dominant % Cover Species?		Dominance Test worksheet:
Tree Stratum (Plot size:)		FAC	Number of Dominant Species
1. Aler named	70	PAC	That Are OBL, FACW, or FAC: (A)
2-		-	Total Number of Dominant
3. Prunns Sevotina	/	=A(n	Species Across All Strata: (B)
4			Percent of Dominant Species
5. Moras alba	20 /	F-Alla	That Are OBL, FACW, or FAC: (A/B)
6.			
•			Prevalence Index worksheet:
·	70 = Total Cov		
	= Total Cov	er	OBL species x1 =
Sanling/Shrub Stratum (Plot size:)			FACW species x 2 =
1			FAC species x 3 =
2. Acer negando	20 _	FAC	FACU species x 4 =
3.			UPL species x5 =
4. Rhamnus cathartica	30 /	F-AC	Cotumn Totals: (A) (B)
			Prevalence Index = B/A =
6			
8			Hydrophytic Vegetation Indicators:
7.			1 - Rapid Test for Hydrophytic Vegetation
	50 = Total Cov	res r	2 - Dominance Test is >50%
Herb Stratum (Plot size:)			3 - Prevalence index is ≤3.01
1. Bromys incrnis	30 /	UPL	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Alliania petiolota		T-ACh	Problematic Hydrophytic Vegetation¹ (Explain)
		/ 	Troblemate rydrophytic vogotation (Explain)
3. Cirsiumarthie		FACH	Indicators of hydric soil and wetland hydrology must
a. Thomans cathertica			be present, unless disturbed or problematic.
5. Rubhi Occidentalis		MPL	Definitions of Vegetation Strata:
6. Taraxecum afficinale	<u> </u>	FACU	
7. Ne beta Cataria	^	FSU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8. Calium aparine		Facu	
8. Leungrus Cardiaca		UPL	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tail.
		VII C	
10			Herb - All herbaceous (non-woody) plants, regardless
11			of size, and woody plants less than 3.28 ft tall.
12	-		Woody vines - All woody vines greater than 3.28 ft in
	= Total Cov	er	height.
Woody Vine Stratum (Plot size:)			
1			
2			
3			Hydrophytic
4			Vegetation Present? Yes No
	= Total Cov	rer	
Remarks: (Include photo numbers here or on a separate	sheet.)		

_	_	
•	n	и
•	•	

Profile Des	cription: (Describe	to the dep	th needed to document the indicator or confirm	the absence of Indicators.)
Depth	Matrix		Redox Features	
(inches)	Color (moist)	%	Color (moist) % Type Loc2	Texture Remarks
0-9	75112 2/2	7/10		silt/van
01	111/11/01/0	700		21/1 / Oan
		7.		
9-21	7.5412 4/3	100		Joany sand w/ 10/1 vem
	· 15 11 14 3			
				
Type C=C	Concentration Dallor	detion PM	PReduced Matrix, MS=Masked Sand Grains.	² Location: PL≃Pore Lining, M≃Matrix.
	Indicators:	TODOIT FUEL	- NULLOGU MILLIM, MO-MARKOU ORINI GIGIID.	Indicators for Problematic Hydric Soils ³ :
			Deliandus Balau Curfoca (CO) /I DD D	-
Histoso			Polyvalue Below Surface (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
	listic (A3)		Thin Dark Surface (S9) (LRR R, MLRA 149B)	
	en Sulfide (A4)		Loamy Mucky Mineral (F1) (LRR K, L)	Dark Surface (S7) (LRR K, L)
	d Layers (A5)		Loamy Gleyed Matrix (F2)	Polyvalue Below Surface (S8) (LRR K, L)
	ed Below Dark Surfac	e (A11)	Depleted Matrix (F3)	Thin Dark Surface (S9) (LRR K, L)
	lark Surface (A12)		Redox Dark Surface (F6)	Iron-Manganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Depleted Dark Surface (F7)	Piedment Floodplain Soils (F19) (MLRA 149B)
Sandy	Gleyed Matrix (S4)		Redox Depressions (F8)	Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy I	Redox (S5)			Red Parent Material (F21)
Strtppe	d Matrix (S6)			Very Shallow Dark Surface (TF12)
Dark St	urface (S7) (LRR R, I	VILRA 149	3)	Other (Explain in Remarks)
³ Indicators	of hydrophytic vegeta	tion and w	etland hydrology must be present, unless disturbed	or problematic.
	Layer (if observed):			1
Туре:				
				I thursted On the Description of the Land
Depth (ir	nches):			Hydric Soil Present? Yes No
Remarks:				
!				
1				



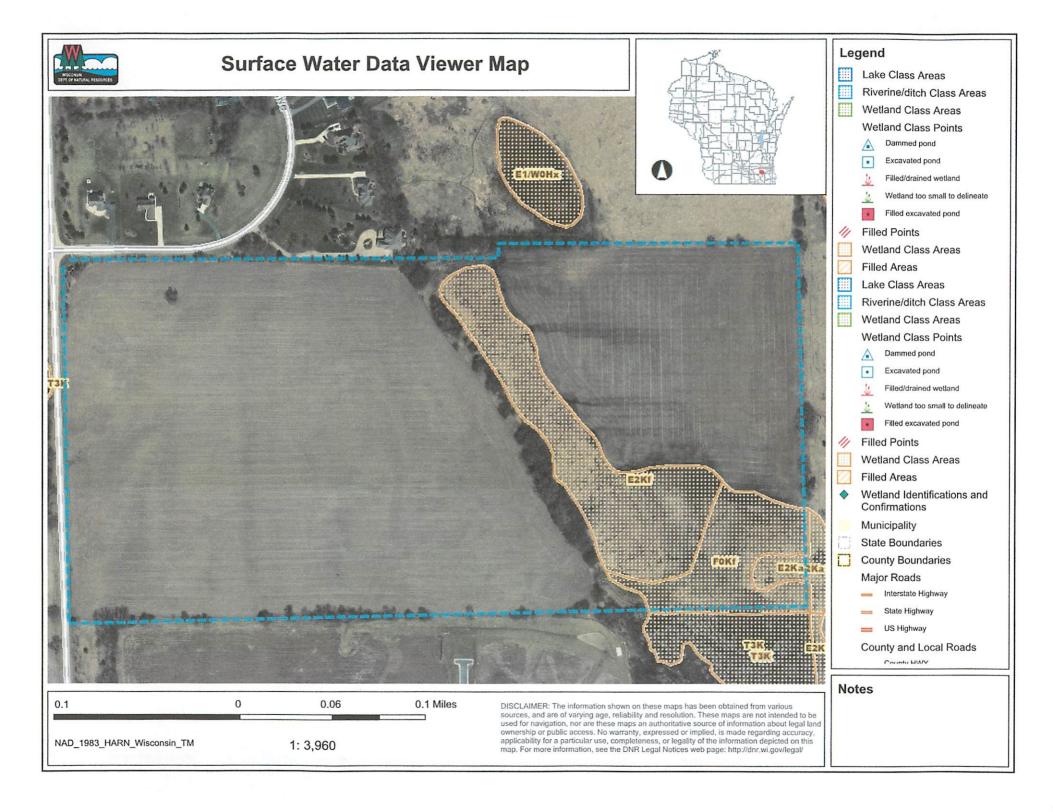


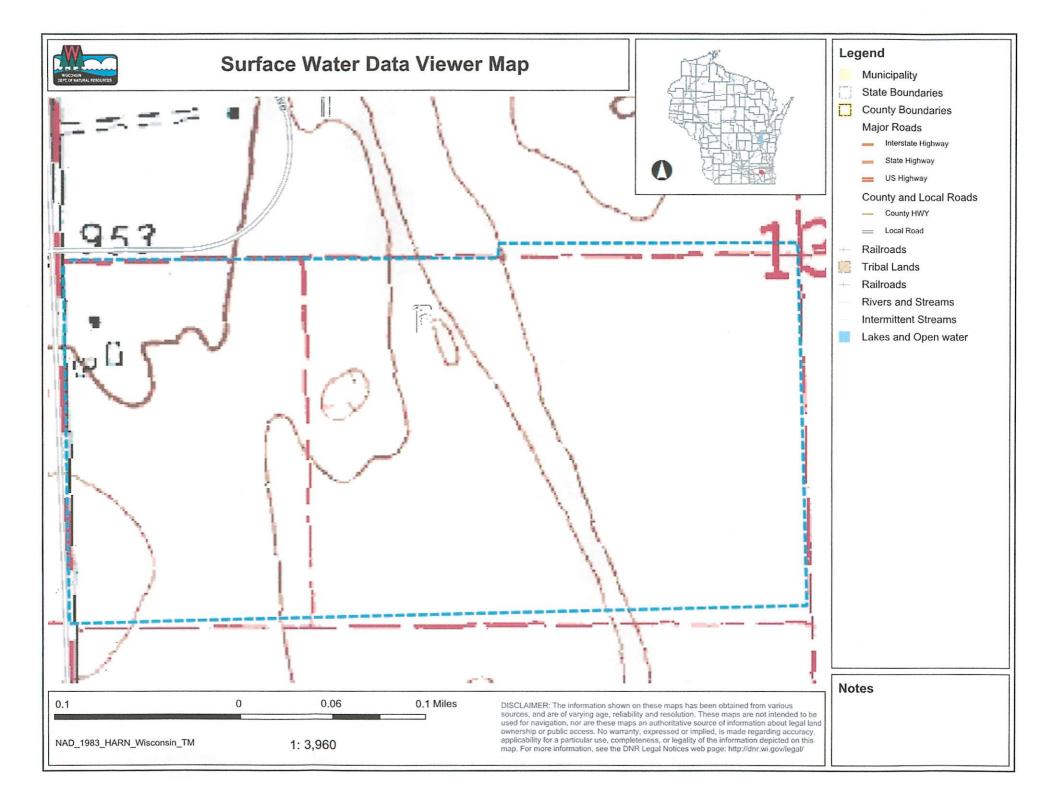
Report—Hydric Soil List - All Components

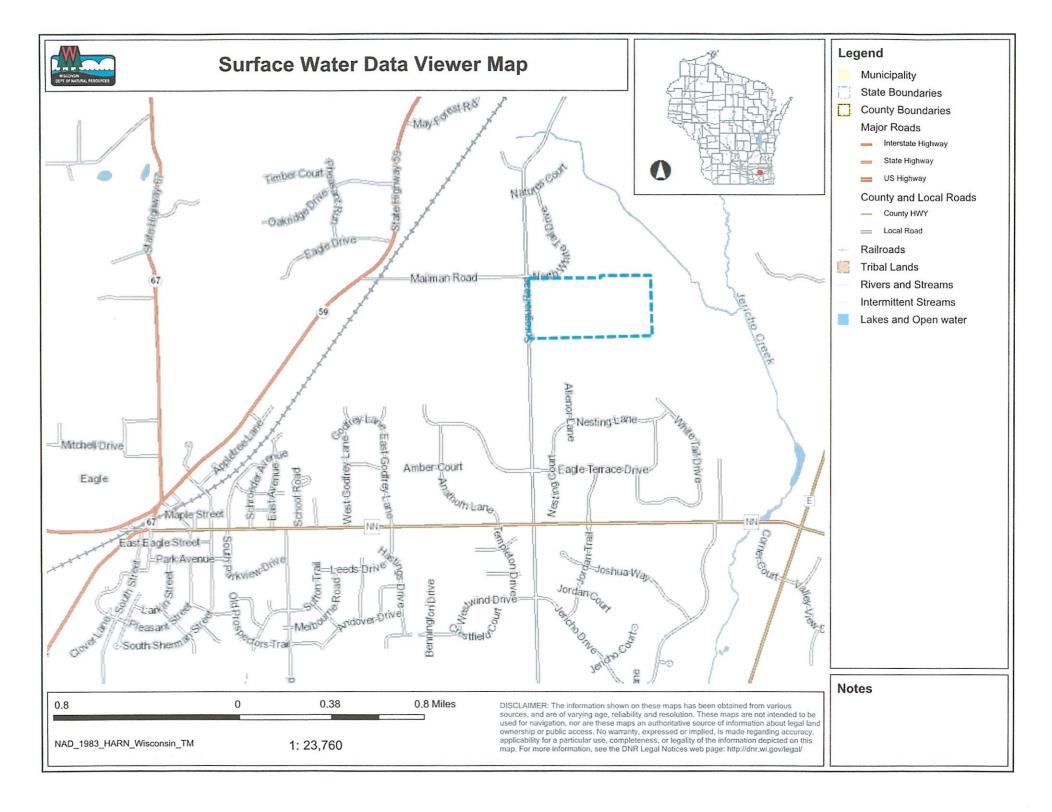
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Ac: Adrian muck, 0 to 2 percent slopes	Adrian-Muck	75-90	Depressions	Yes	1,3
	Houghton-Muck	10-20	Depressions	Yes	1,3
	Kingsville	3-10	Depressions	Yes	2
CrD: Casco-Rodman complex, 12-20 percent slopes	Casco	70	Outwash plains	No	_
	Rodman	30	Outwash plains	No	_
CrE: Casco-Rodman complex, 20 to 30 percent slopes	Casco	45-70	Moraines	No	_
	Ródman	30-40	Moraines	No	_
	Casco-Eroded	0-8	Moraines	No	_
	Fox	0-7	Moraines	No	-
FmB: Fox sandy loam, 2 to 6 percent slopes	Fox	70-90	Outwash plains	No	_
	Fox	5-15	Outwash plains	No	-
	Casco	3-10	Outwash plains	No	_
	Boyer	2-5	Outwash plains	No	-
KeA: Kane silt loam, 1 to 3 percent slopes	Kane	90	Flats	No	_
	Sebewa	7	Depressions	Yes	2,3
	Warsaw	3	Rises	No	_
LyB2: Lorenzo loam, 2 to 6 percent slopes, eroded	Lorenzo	100	Outwash plains	No	_
LyC2: Lorenzo loam, 6 to 12 percent slopes, eroded	Lorenzo	100	Outwash plains	No	_
MhA: Matherton sandy loam, 1 to 3 percent slopes	Matherton	85-95	Drainageways	No	_
	Sebewa	3-8	Depressions	Yes	2,3
	Fox	2-7	Rises	No	_
OmB: Oshtemo loamy sand, 1 to 6 percent slopes	Oshtemo	100	Outwash plains	No	_
WeA: Warsaw loam, 0 to 2 percent slopes	Warsaw	85-95	Outwash plains	No	_
	Kane	3-8	Stream terraces	No	-
	Will	2-7	Kames,stream terraces,outwash plains	Yes	2

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ac	Adrian muck, 0 to 2 percent slopes	5.4	6.9%
CrD	Casco-Rodman complex, 12-20 percent slopes	3.9	5.0%
CrE	Casco-Rodman complex, 20 to 30 percent slopes	1.9	2.5%
FmB	Fox sandy loam, 2 to 6 percent slopes	1.3	1.7%
KeA	Kane silt loam, 1 to 3 percent slopes	5.4	6.9%
LyB2	Lorenzo loam, 2 to 6 percent slopes, eroded	25.4	32.3%
LyC2	Lorenzo loam, 6 to 12 percent slopes, eroded	0.1	0.1%
MhA	Matherton sandy loam, 1 to 3 percent slopes	0.1	0.1%
OmB	Oshtemo loamy sand, 1 to 6 percent slopes	0.2	0.3%
WeA	Warsaw loam, 0 to 2 percent slopes	34.8	44.2%
Totals for Area of Interest		78.6	100.0%



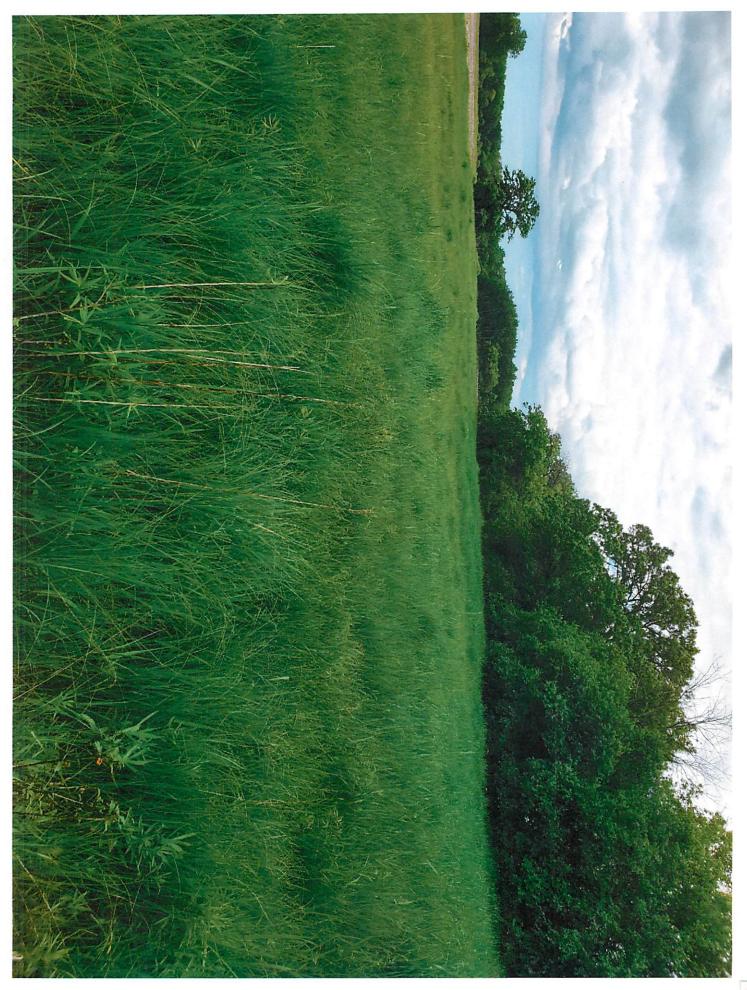


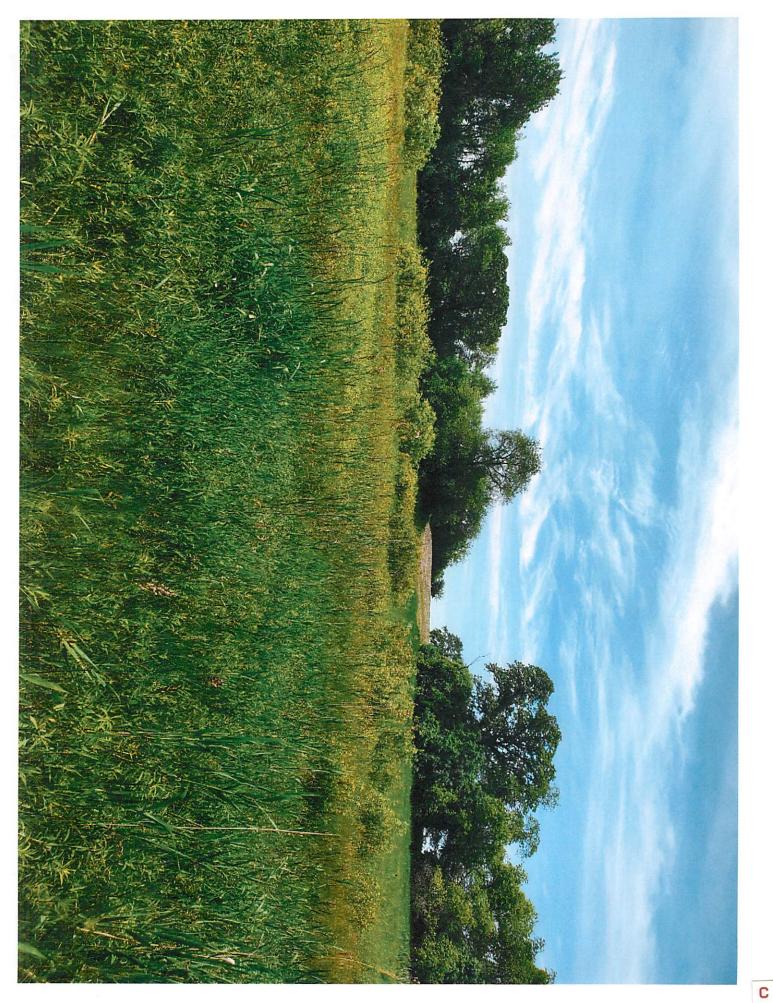


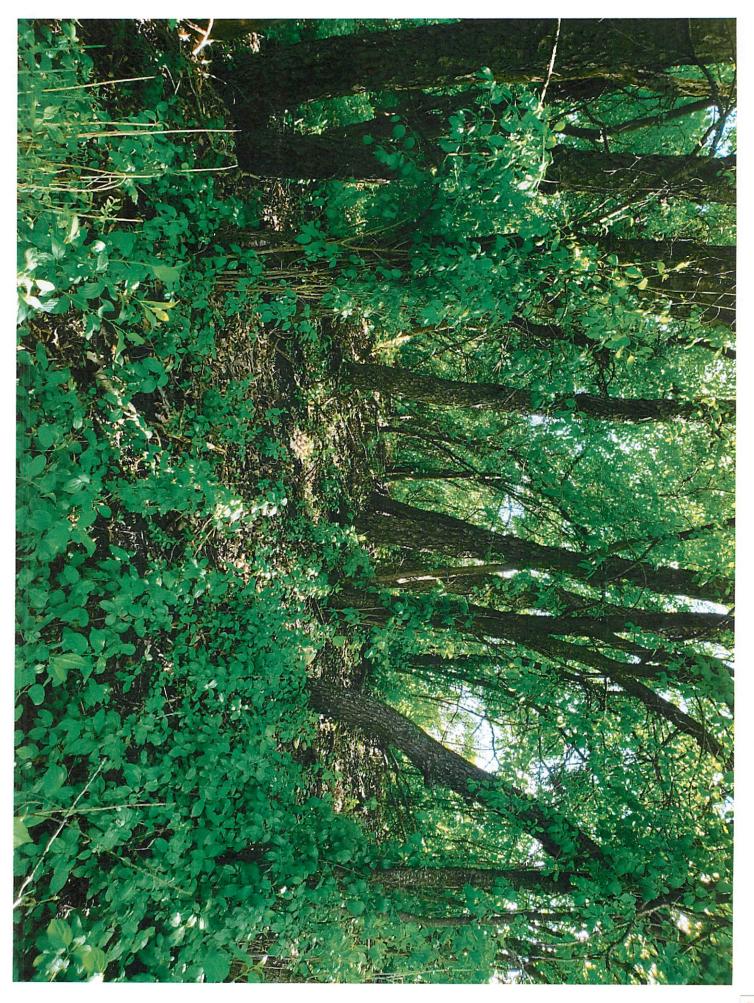
PHOTOGRAPHS

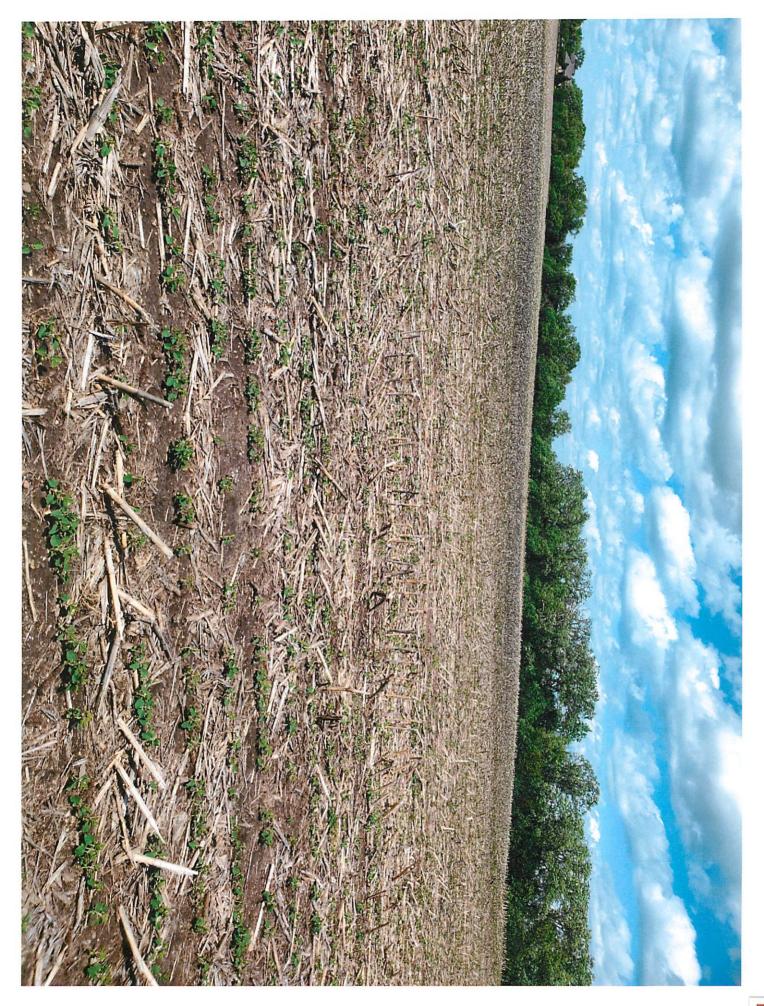
Photo AViewing north toward cattail marsh at DP #7.
Photo BViewing southeast across the sedge meadow described at DP #10.
Photo CTypical view of the wet meadow described at DP #'s 4, 15, and 17.
Photo DStand of upland trees and shrubs at DP #'s 8, 11, and 14.
Photo ETypical view of soybean crop across the site.











WETLAND DOCUMENTATION RECORD Remotely Sensed Data Summary

Sieliniki			0000111/01/1	esha State WI
Owner/Operator.				
Slide Reviewer: NRyer Date: 5-4-24				
Site Identification No				
Farm Service Agency (or Other) Aerial Slide Data				
Date (Mo./Yr)	Rainfall (in) +D/N/W (Apr-June ave. = G,G		Interpretation- (codes liste	
4/2021	8.8911	YAC	61	
7/2018	13.94 W	1 1/6	61	
4/22/7	15.20W	YNC	6 d	
6/2015	9.96 NI	Y NC 60	6	
4/2014	15.04 W	Y NC GO		
11/2010	18.72 W	YNC 6d	66	
4/2007	10,2411	Y Partially	Chopped 6d	
9/2006	10.0311	YNC Co	166	
9/2005	6,080	YNG G	d 6 B	
4/2000	15,17 W	YAL 6	d	
Air Photo				
All I liuto				
	indicates wetness (+ = row crop or tilled)	strong, -= weak)	N = No wetness s NC = not cropped	signature ß (hay, pasture, idle, etc.)
Feature Color 1 = water 6a = dark gree 2 = mud flat 6b = light gree 3 = bare spot 6c = yellow 4 = drowned crop 6d = brown 5 = planted late 6e = black		ght green ellow rown	Manipulation (year of installation 7a = ditched 7b = tiled 7c = filled 7d = tree/brush removal 8 = plowed/tilled	n) Other write explanation
Does slide/air photo data indicate the site is a wetland? 0Yes 0No				

// years out of # // years observed have wet (Y) signatures.

88° 26' 42" W

0010974

42° 53' 39" N

000027A

0066474

0096474

0076474

0096774

USDA

88° 26' 42" W

0096474

42° 53' 19" N

Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1027 W St Paul Ave
Milwaukee Wi, Wi, 63233

Tony Evers, Governor Adam N. Payne, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



March 22, 2024

Dave Meyer Wetland & Waterway Consulting, LLC S83 W23915 Artesian Ave Big Bend, WI 53103

Subject: 2024 Assured Wetland Delineator Confirmation

Dear Mr. Meyer:

This letter provides Wisconsin Department of Natural Resources (WDNR) confirmation for the wetland delineations you conduct during the 2024 growing season. You and your clients will not need to wait for the WDNR to review your wetland delineations before moving forward with project planning. This will help expedite the review process for WDNR's wetland regulatory program. Your name and contact information will continue to be listed on our website at: http://dnr.wi.gov/topic/wetlands/assurance.html.

In the instance where a municipality may require a letter of confirmation for your work prior to moving forward in the local regulatory process, this letter shall serve as that confirmation. Although your wetland delineations do not require WDNR field review, inclusion of a Wetland Delineation Report is required for projects needing State authorized wetland, waterway and/or storm water permit approvals.

To comply with Chapter 23.321, State Statutes, please supply the department with a polygon shapefile of the wetland boundaries delineated within the project area. Please do not include data such as parcel boundaries, project limits, wetland graphic representation symbols, etc. If internal upland polygons are found within a wetland polygon, then please label as UPLAND. The shapefile should utilize a State Plane Projection and be overlain onto recent aerial photography. If a different projection system is used, please Indicate in which system the data are projected. In the correspondence sent with the shapefile, please supply a brief description of each wetland's plant community (eg: wet meadow, floodplain forest, etc.). Please send these data to Calvin Lawrence (608-266-0756 or email at calvin.lawrence@wisconsin.gov).

If you or any client has a question regarding your status in the Wetland Delineation Professional Assurance Program, contact me by email at kara.brooks@wisconsin.gov or phone at 414-308-6780. Thank you for all your hard work and best wishes for the upcoming field season.

Sincerely,

Kara Brooks
Wetland Identification Coordinator
Bureau of Watershed Management

