

Photo 43. Stream NN looking upstream facing north.



Photo 44. Stream NN looking downstream facing south.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 45. Stream OO looking upstream facing northeast.



Photo 46. Stream OO looking downstream facing southwest.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

February 2012

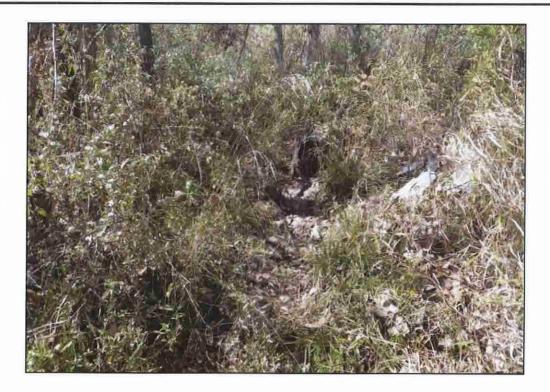


Photo 47. Culvert at the beginning of Stream PP looking upstream facing west.



Photo 48. Stream PP looking downstream facing east.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 49. Stream QQ looking upstream facing northwest.



Photo 50. Stream QQ looking downstream facing east.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012

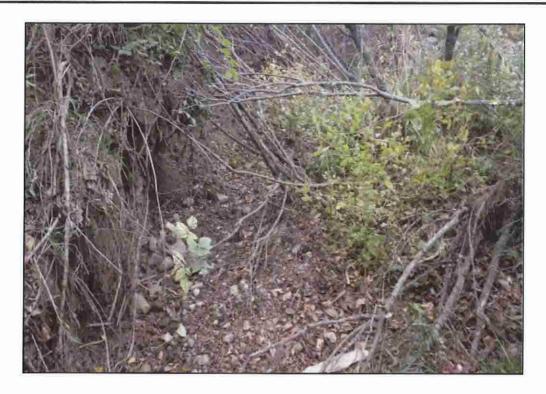


Photo 51. Stream SS looking upstream facing northeast.



Photo 52. Stream SS looking downstream facing southwest.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

February 2012



Photo 53. Stream TT looking upstream facing east.



Photo 54. Stream TT looking downstream facing west



Suite 200 Dublin, Ohio 43017 © 2011, Hull & Associates, Inc.

Phone: (614) 793-8777 Fax: (614) 793-9070 www.hulling.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 55. Stream UU looking upstream facing southwest.



Photo 56. Stream UU looking downstream facing northeast.



Phone: (614) 793-8777 Fax (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

February 2012



Photo 57. Stream VV looking upstream facing west.



Photo 58. Stream VV looking downstream facing east.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 59. Stream WW looking upstream facing west.



Photo 60. Stream WW looking downstream facing east.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 61. Stream XX looking upstream facing west.

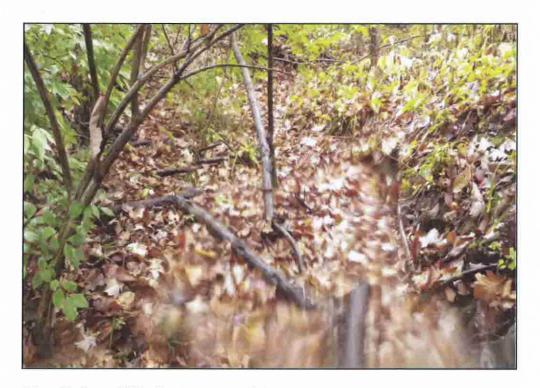


Photo 62. Stream XX looking downstream facing east.



Phone: (614) 793-8777 Fax (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012

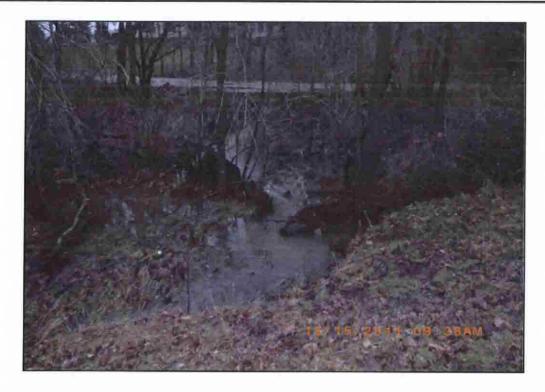


Photo 63. Stream YY looking upstream facing southwest.



Photo 64. Stream YY looking downstream facing south.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Bate:

February 2012



Photo 65. Stream ZZ looking upstream facing southeast.



Photo 66. Stream ZZ looking downstream facing northwest.



Suite 200
Dublin, Ohio 43017
© 2011, Hulf & Associates, Inc.

Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

February 2012



Photo 67. Stream ZZ-2 looking upstream facing south.

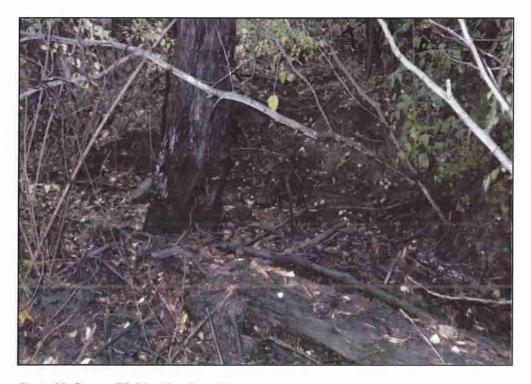


Photo 68. Stream ZZ-2 looking downstream.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 69. Stream AAA.



Photo 70. Stream AAA looking downstream facing west.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 71. Wetland J just south of State Route 36, facing northwest.



Photo 72. Wetland M looking northeast.



Suite 200
Dublin, Ohio 43017
© 2011, Hull & Associates, Inc.

Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

December 2011



Photo 73. Wetland N looking east.



Photo 74. Wetland T facing east along State Route 161.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.huillinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

December 2011



Photo 75. Wetland U facing north.



Photo 76. Wetland V facing north.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012

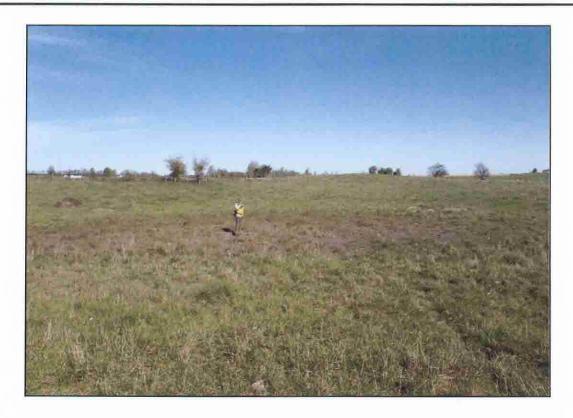


Photo 77. Wetland W facing northwest.



Photo 78. Wetland Y facing west.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 79. Wetland Z facing west.



Photo 80. Wetland AA facing northwest.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

February 2012



Photo 81. Wetland BB facing west.



Photo 82. Wetland CC facing northeast.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 83. Wetland DD facing north.

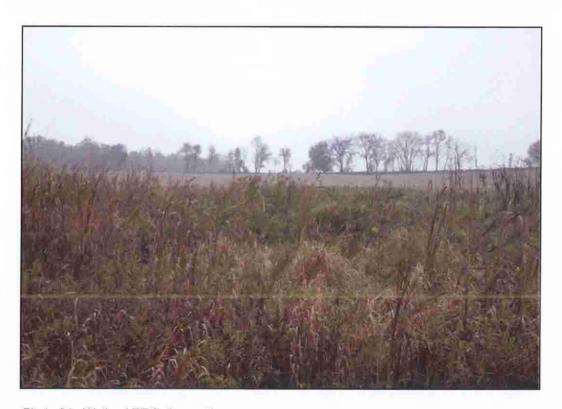


Photo 84. Wetland EE facing north.



Phone: (614) 793-8777 Fax. (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 85. Wetland FF facing east.



Photo 86. Wetland GG facing northwest.



Phone: (614) 793-8777 Fax (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date

February 2012



Photo 87. Wetland HH facing northwest.



Photo 88. Wetland II facing west.



Phone: (614) 793-8777 Fax. (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

February 2012



Photo 89. Wetland JJ facing northeast.



Photo 90. Wetland KK facing south.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

February 2012



Photo 91. Wetland LL facing east.



Photo 92. Wetland MM facing southeast.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

February 2012



Photo 99. Wetland NN facing east.



Phone: (614) 793-8777 Fax: (614) 793-9070 www.hullinc.com Buckeye II Wind Farm Surface Water Delineation

Site Photographs

Champaign County, Ohio

Date:

February 2012

# **APPENDIX B**

Wetland Delineation Data Sheets

## **Routine Wetland Determination Form**

Project/Sit	te: Buckeye	Wind Power Proje	ot .	Project # EVP001	Date: 5/21/2008
Applicant/	<b>Owner:</b> Ev	erpower Inc.			County: Champaign
		; S.M Harrelson ces exist on the site		es Sample Po	<u></u>
		disturbed (Atypical		1 :	on: Wetland J
Is the area	a potential	Problem Area:	No.	.	
VEGETAT	ION	(USFWS No	rtheast Region N	lo.1, Sub-Region,	Great Lakes Plain)
					fication of dominant vegetation
Percent of FAC Neutr	Dominant 9 al Test: 1 >	opecies that are OB O = Pass	L, FACW or FAC:	(excluding FAC-) =	= 1/1 = 100 %
HYDROLO		····			
		cribe in Remarks): or Tide Gauge		Wetland Hydrolog Primary Indica	
	rial Photogra			⊠ Inundate	
		ap		Saturated     Saturat	i In Upper 12 Inches
<b>57.44 5</b>				☐ Water Ma	
☑ No Rec	oraed Data			☐ Drift Line: ☐ Sediment	
Field Obse	rvations				Patterns in Wetlands
To	otal Depth o	f Pit or Auger: 12 in		Secondary Ind	
Δ.	مال من المال	ace Water: 1 in.			Root Channels in Upper 12 Inches ined Leaves
, 10	epth of Surf	ace water.			Survey Data
D	epth to Free	Water in Pit: - in.		⊠FAC-Neut	ral Test
ъ.		rated Soil: 0 In	J	☐Other(Exp	olain in Remarks)
	epth to Satu	nated don. O n		<u> </u>	
SOILS Map Unit N	lame (Serie	s and Phase):Algie	rs silt		
loam Map Symb	ol:Ag	Drainage Class	: spd Map	Unit Recognized a	
Taxonomy	(Subgroup)	: Aquic Udifiuvents		ofile Description	firm Mapped Type? No
Depth	T	Matrix Color	Mottle Color	Mottle	
bgs (inches)	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Conf	trast Texture, Concretions, Structure
0-7	A or Ap	10YR 3/2	None		sticky clay with high organics
8-12 <u>·</u>	A/B	10YR 3/2	10YR 4/4	very distinct	silty clay loam
	Histosol	•		Concretions	and a kin Confess Large in Conde Dalle
	]Histic Epip  Sulfidic Od				ontent in Surface Layer in Sandy Soils ing in Sandy Soils
		ture Regime	•	Listed on Local	
	Reducing (	Conditions		Listed on Nation	nal Hydric Soils List
<u> </u>	Gleyed or I	_ow Chroma Colors	·	Other	
	DETERMI				
Hydrophytic	c Vegetation	n Present? Yes		Is the Sample Poi	nt within a Wetland? Yes
Wetland Hy Hydric Soil:	drology Present?	esent? Ye Ye			
,	o , , oppositi	18	<u>~</u>		
			nd hydrology, a	nd hydric soils w	ere observed at this sample location. This
	int is in a v				

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #SP4a Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW+	Herb	90	100%	Yes
		Herb			
,		TDM=	90		
		Shrub/Sap			
		Shrub/Sap_			
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			
	***	TDM=	0		<del></del>
	-	Tree			
		Tree			
	-	Tree			
· <u>·</u> ·		Tree	<u>-</u>		
		Tree			
		TDM=	0		
		Vine	J		
<del>-</del>	•	Vine		•	
	<del></del>	Vine			<del></del>
		Vine TDM=_	0		·····

## **Routine Wetland Determination Form**

P							<del></del>							
	Project/Sit	City/County: Champaign			Sampling	Sampling Date: 6/29/2011								
	Applicant/	Owner: Ever Power Inc	).		State: OH Sampling Point: SP32									
	Investigat	or(s): B.M. Falkinburg /	H.F. Crowe		Section, Township, Range: :									
1	Landform (	hillslope, terrace, etc.):			Lo	cal relief (d	concave, c	convex, none): Co	ncave					
	Slope (%): Lat: Long: Datum:													
	Soil Map Unit Name: BsA, Brookston silty clay loam, 0-2% slopes NWI classification:													
1	Are climation	c/hydrologic conditions of	on the site t	ypical for this time of	year? Ye	s (Ifno, e	xplain in F	Remarks.)						
	-	ation 🔲, Soil 🔲, or Hy								į				
	Are Vegeta	ation 🔲, Seil 🔲, or Hy	drology 🔲	naturally problematic	? (If neede	d, explain	any answ	ers in Remarks).N	Ö					
L	CLIBAMAC	Y FINDINGS - Attac	sh nita ma	n chowing compli	ing point	locations	trance	ete important l	footures etc					
I	SOMMAN	( FINDINGS - Attac	il Site illa	ip snowing sampi	ing point	IOCAUOIR	, uanse	cis, important	catures, etc.					
i	Hydrophyti	ic Vegetation Present?	Yes		ls th	e Sampled	l Area							
	Hydric Soil	Present?	Yes		with	in a Wetla	nd? Y	es es						
	Wetland H	ydrology Present?	Yes											
	•					···								
ľ	Remarks:	The required wetland cr	iteria have i	een met.										
<u>[</u>			£1.0	05140	4 51-41		D							
1	VEGETA			SFWS Region No.										
				t for listing of plant				dominant vegetat	don					
	Percent of	Dominant Species that	are OBL, F	ACW or FAC: (exclud	ing FAC-)	1/1 = 100	%							
Į	FAC Neutr	al Test: 1 > 0 = Pass												
1	Prevalence	e Index =												
	Remarks: T	The hydrophytic vegetat	ion criterion	has been met.										
PŁ						Remarks: The hydrophytic vegetation criterion has been met.								
	SOIL LRR: M													
F		erintion: (Describe to	the depth		of the indic	ator or co	nfirm the	absence of indic	cators.)					
		scription: (Describe to Matrix	the depth	needed to documer	nt the indicator		nfirm the	absence of indic	cators.)					
	Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer			nfirm the	Texture	cators.) Remarks					
	Profile Des Depth (Inches) 0-1	Matrix Color (moist) 2.5Y3 / 3	% 100	needed to documer Rec Color (moist)	lox Feature %	s		Texture silt loam						
	Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer	lox Feature	s		Texture						
	Profile Des Depth (Inches) 0-1	Matrix Color (moist) 2.5Y3 / 3	% 100	needed to documer Rec Color (moist)	lox Feature %	s		Texture silt loam						
	Profile Des Depth (Inches) 0-1	Matrix Color (moist) 2.5Y3 / 3	% 100	needed to documer Rec Color (moist)	lox Feature %	s		Texture silt loam						
	Profile Des Depth (Inches) 0-1	Matrix Color (moist) 2.5Y3 / 3	% 100	needed to documer Rec Color (moist)	lox Feature %	s		Texture silt loam						
	Profile Des Depth (Inches) 0-1	Matrix Color (moist) 2.5Y3 / 3	% 100	needed to documer Rec Color (moist)	lox Feature %	s		Texture silt loam						
	Profile Des Depth (Inches) 0-1 1-13	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2	% 100 80	needed to documer Rec Color (moist) 7.5YR 3/4	lox Feature %	Type'	Loc²	Texture silt loam silt loam	Remarks					
	Profile Des Depth (Inches) 0-1 1-13	Matrix Color (moist) 2.5Y3 / 3	% 100 80	needed to documer Rec Color (moist) 7.5YR 3/4	lox Feature %	Type'	Loc²	Texture silt loam silt loam  ²Location:						
	Profile Des Depth (Inches) 0-1 1-13	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet f Indicators:	% 100 80	needed to documer Rec Color (moist) 7.5YR 3/4  additional color (moist) 7.5YR 3/4  Beduced Matrix, CS=C Sandy Gleyed	20  overed or 6  Matrix (S4	Type <sup>l</sup>	Loc²	Texture silt loam silt loam  ²Location: Indicators for Pro	Remarks  PL=Pore Lining, M=Matrix blematic Hydric Soils <sup>5</sup> ; Redox (A16)					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histosc Histic E	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet f Indicators: ol (A1) Epipedon (A2)	% 100 80	needed to documer Rec Color (moist) 7.5YR 3 / 4  7.5YR 3 / 4  educed Matrix, CS=C Sandy Gleyed Sandy Redox	20  overed or (St Matrix (S4 (S5)	Type <sup>l</sup>	Loc²	Texture silt loam silt loam  ²Location: Indicators for Pro Coast Prairie Iron-Mangane	PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>5</sup> : Redox (A16) use Masses (F12)					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histosc Black H	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet indicators: bit (A1) Epipedon (A2) Histic (A3)	% 100 80	needed to documer Rec Color (moist)  7.5YR 3 / 4  7.5YR 3 / 4  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri	overed or (S5) x (S6)	Type Coated Sar	Loc²	Texture silt loam silt loam  ²Location: Indicators for Pro	PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>5</sup> : Redox (A16) use Masses (F12)					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histosc Histic E Black H Hydrog	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet f Indicators: cit (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4)	% 100 80	needed to documer Rec Color (moist)  7.5YR 3 / 4  7.5YR 3 / 4  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loarny Mucky	overed or (S)  Matrix (S4 (S5)  x (S6) Mineral (F)	Type Type Coated Sar	Loc²	Texture silt loam silt loam  ²Location: Indicators for Pro Coast Prairie Iron-Mangane	PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>5</sup> : Redox (A16) use Masses (F12)					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histosc Histic E Black H Hydrog Stratific	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet indicators: bit (A1) Epipedon (A2) Histic (A3)	% 100 80	needed to documer Rec Color (moist)  7.5YR 3 / 4  7.5YR 3 / 4  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri	overed or (S5) x (S6) Mineral (F1) Matrix (F2)	Type Type Coated Sar	Loc²	Texture silt loam silt loam  ²Location: Indicators for Pro Coast Prairie Iron-Mangane	PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>5</sup> : Redox (A16) use Masses (F12)					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histosc Histosc Hydrog Stratific 2 cm M Deplete	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet f Indicators: col (A1) Epipedon (A2) Histic (A3) Jen Sulfide (A4) Ed Layers (A5) Fluck (A10) Ed Below Dark Surface (A10) Ed Below Dark Surface (A2)	% 100 80 tion, RM=R	reeded to documer Rec Color (moist)  7.5YR 3 / 4  7.5YR 3 / 4  Sandy Gleyed Sandy Redox Stripped Matri Loarny Mucky Loarny Gleyed Depleted Matri Redox Dark S	overed or (S5) x (S6) Mineral (F1) Matrix (F3) urface (F6)	Coated Sar	Loc³	**Texture silt loam silt loam silt loam **  **Location: Indicators for Pro  Coast Prairie   Iron-Mangane Other (Explair	PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>5</sup> : Redox (A16) se Masses (F12) n In Remarks)					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histosc Histic E Black I Hydrog Stratific 2 cm M Deplete Thick E	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  Concentration, D=Deplet Indicators: DI (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Ed Layers (A5) Huck (A10) Ed Below Dark Surface (Dark Surface (A12)	% 100 80 tion, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or (S)  Matrix (S4 (S5)  x (S6) Mineral (F1 id Matrix (F3) urface (F6) c Surface (F6)	Coated Sar	Loc³	**Texture silt loam silt loam silt loam **  **Location: Indicators for Pro  Coast Prairie Iron-Mangane Other (Explair	PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>5</sup> : Redox (A16) se Masses (F12) n In Remarks)					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histosc Histic E Black I Hydrog Stratific 2 cm M Deplete Thick E Sandy	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  Concentration, D=Deplet Indicators: DI (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hed Layers (A5) Huck (A10) Hed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 100 80 tion, RM=Re	reeded to documer Rec Color (moist)  7.5YR 3 / 4  7.5YR 3 / 4  Sandy Gleyed Sandy Redox Stripped Matri Loarny Mucky Loarny Gleyed Depleted Matri Redox Dark S	overed or (S)  Matrix (S4 (S5)  x (S6) Mineral (F1 id Matrix (F3) urface (F6) c Surface (F6)	Coated Sar	Loc³	**Texture silt loam silt loam silt loam **  **Location: Indicators for Pro  Coast Prairie Iron-Mangane Other (Explair	PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>5</sup> : Redox (A16) se Masses (F12) n In Remarks)					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histosc Histic E Black I Hydrog Stratific 2 cm M Deplete Thick E Sandy 5 cm M	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  Concentration, D=Deplet Indicators: DI (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Ed Layers (A5) Huck (A10) Ed Below Dark Surface (Dark Surface (A12)	% 100 80 tion, RM=Re	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or (S)  Matrix (S4 (S5)  x (S6) Mineral (F1 id Matrix (F3) urface (F6) c Surface (F6)	Coated Sar	Loc³	**Provided Residual Procession of Procession	PL=Pore Lining, M=Matrix blematic Hydric Soils <sup>5</sup> : Redox (A16) se Masses (F12) n In Remarks) rophytic vegetation and bgy must be present.					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histosc Histosc Hydrog Stratific 2 cm M Deplete Thick E Sandy 5 cm M Restrictive Type:	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet Indicators: D(A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hed Layers (A5) Huck (A10) Huck (A10) Huck Surface (A12) Mucky Mineral (S1) Hucky Peat or Peat (S3) Layer (if observed):	% 100 80 tion, RM=Re	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or (S)  Matrix (S4 (S5)  x (S6) Mineral (F1 id Matrix (F3) urface (F6) c Surface (F6)	Coated Sar	Loc³	Plandicators of hydrwetland hydrold	PL=Pore Lining, M=Matrix blematic Hydric Soils <sup>5</sup> : Redox (A16) se Masses (F12) in in Remarks)  rophytic vegetation and bogy must be present.					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histoc Histic E Black I Hydrog Stratific 2 cm M Deplete Thick E Sandy 5 cm M Restrictive Type: Depth: (i	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet Indicators: cl (A1) Epipedon (A2) distic (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface (A12) Mucky Mineral (S1) fucky Peat or Peat (S3) Layer (if observed): inches):	% 100 80 tion, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loarny Mucky Loarny Gleyed Depleted Matri Redox Dark S Depleted Dark Redox Depres	overed or (S)  Matrix (S4 (S5)  x (S6) Mineral (F1 id Matrix (F3) urface (F6) c Surface (F6)	Coated Sar	Loc³	Texture silt loam silt loam silt loam  *Location: Indicators for Pro Coast Prairie Iron-Mangane Other (Explain  *Indicators of hydrode wetland hydrode Hydric Soil Prese Soil pit dug?	PL=Pore Lining, M=Matrix oblematic Hydric Soils5: Redox (A16) as Masses (F12) and In Remarks) rophytic vegetation and ogy must be present.					
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histoc Histic E Black I Hydrog Stratific 2 cm M Deplete Thick E Sandy 5 cm M Restrictive Type: Depth: (i	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet Indicators: D(A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hed Layers (A5) Huck (A10) Huck (A10) Huck Surface (A12) Mucky Mineral (S1) Hucky Peat or Peat (S3) Layer (if observed):	% 100 80 tion, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loarny Mucky Loarny Gleyed Depleted Matri Redox Dark S Depleted Dark Redox Depres	overed or (S)  Matrix (S4 (S5)  x (S6) Mineral (F1 id Matrix (F3) urface (F6) c Surface (F6)	Coated Sar	Loc³	Plandicators of hydrwetland hydrold	PL=Pore Lining, M=Matrix oblematic Hydric Soils5: Redox (A16) as Masses (F12) and In Remarks) rophytic vegetation and ogy must be present.	(				
	Profile Des Depth (Inches) 0-1 1-13  'Type: C=C Hydric Soi Histoc Histic E Black I Hydrog Stratific 2 cm M Deplete Thick E Sandy 5 cm M Restrictive Type: Depth: (i	Matrix Color (moist) 2.5Y3 / 3 2.5Y4 / 2  concentration, D=Deplet Indicators: cl (A1) Epipedon (A2) distic (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface (A12) Mucky Mineral (S1) fucky Peat or Peat (S3) Layer (if observed): inches):	% 100 80 tion, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loarny Mucky Loarny Gleyed Depleted Matri Redox Dark S Depleted Dark Redox Depres	overed or (S)  Matrix (S4 (S5)  x (S6) Mineral (F1 id Matrix (F3) urface (F6) c Surface (F6)	Coated Sar	Loc³	Texture silt loam silt loam silt loam  *Location: Indicators for Pro Coast Prairie Iron-Mangane Other (Explain  *Indicators of hydrode wetland hydrode Hydric Soil Prese Soil pit dug?	PL=Pore Lining, M=Matrix oblematic Hydric Soils5: Redox (A16) as Masses (F12) and In Remarks) rophytic vegetation and ogy must be present.					

## **Routine Wetland Determination Form**

	<del> </del>			PAGE 2
				Sampling Date: 6/29/2011 Sampling Point: SP32
				oamping rout. or oz
HYDROLOGY Wetland Hydrology Indicat	tors:			
Primary Indicators (minimum		s required:	check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)			☑ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)			Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
Saturation (A3)			☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
Water Marks (B1)			☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)			Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)			Presence of Reduced iron (C4)	Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)			Recent Iron Reduction in Tilled Soils (C6)	☑ FAC-Neutral Test (D5)
☐ Iron Deposits (B5)			☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Inundation Visible on Aer	rial Image	ery (B7)	Gauge or Well Data (D9)	
Sparsely Vegetated Cond	cave Sur	face (B8)	Other (Explain in Remarks)	
Field Observations:				
Surface Water Present?	No	Depth (Inc	ches):	
Water Table Present?	No	Depth (Inc	hes);	
Saturation Present? I (includes capillary fringe)	No	Depth (Inc	thes): Wetland Hydrology Pr	resent? Yes
☐ Recorded Data (Descr	ribe in R	lemarks):		
<ul><li>☐ Stream, Lake, or T</li><li>☐ Aerial Photographs</li><li>☐ Other</li></ul>		ige		·
☑ No Recorded Data				
Remarks: The wetland hydro	logy crite	erion has be	een met.	
Wetland appears to be isolate	ed with r	no observed	l inlet or outlet.	

identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #SP32 Attachment to Routine Wetland Determination Data Form Huil & Associates, Inc.

Tidi & Absociates, Inc.		***************************************			
SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW+	Herb	97	97%	Yes
Carex tribuloides	FACW+	Herb	1	1%	
Carex vulpinoidea	OBL	Herb	1	1%	
Glyceria striata	OBL	Herb	11	1%	
		Herb		<u> </u>	
		Herb			
		Herb	! 		
		TDM=	100		
		Shrub/Sap			<del></del>
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			
. <u>-</u>		TDM=	0		
		Tree			•
		TDM=	0		
		Vine			
		Vine			
		Vine	=		
		Vine			
		TDM≃	0		

## **Routine Wetland Determination Form**

Project/Si	te: Ever Power Project -	Wetland N	paign	Sampling Date: 6/29/2011				
Applicant	Owner: Ever Power Inc			State: OH Sampling Point: SP33				
investigat	or(s): B.M. Falkinburg /	H.F. Crowe	1	Section,	Township	, Range		
Landform (	hillslope, terrace, etc.):	Swale		Lo	cal relief (d	concave,	convex, none): Con	cave
Stope (%):			Long:	•	Datur			
Soil Map Unit Name: BsA, Brookston silty clay loam, 0-2% slopes NWI classification:								
ll .	c/hydrologic conditions o	-						
	ation 🔲, Soil 🔯, or Hyd		-					,
Are Vegeta	ation 🔲, Soil 🔲, or Hyd	drology 🔲 i	naturally problematic	? (If neede	d, explain	any ansv	vers in Remarks).No	
SUMMAR	Y FINDINGS - Attac	h site ma	p showing sampli	ing point	ocations	, trans	ects, important fe	eatures, etc.
Hydrophyti	c Vegetation Present?	Yes		is the	Sampled	i Area		
Hydric Soil	Present?	No	,	withi	n a Wetlar	nd?	Yes	
Wetland H	ydrology Present?	Yes						
field with d	Recently graded drainag ominance of hydrophytic ampaign County, Ohio.	vegetation	and evidence of hyd	lrology, but	disturbed a	wetland and mixe	comprised of a gras d soils. BsA is an N	ssy waterway in agriculture RCS mapped hydric soil
VEGETA	TION	(US	FWS Region No.	1 - North	east Sub	-Regio	1)	
	See atta	ched sheet	for listing of plant	species an	d identific	ation of	dominant vegetation	on
Percent of	Dominant Species that a	are OBL, FA	CW or FAC: (exclud	ing FAC-) =	3/3 = 100	%		
FAC Neutr	al Test: 2 > 0 = Pass							
Prevalence	e Index =							
Remarks:	The hydrophytic vegetati	on criterion	has been met.					
SOII			i DD: M			-		
SOIL Profile Des	scription: (Describe to	the depth	LRR: M	nt the indic	ator or co	nfirm th	e absence of indica	ators.)
Profile Des Depth	scription: (Describe to Matrix		needed to documer Red	ox Feature	S			
Profile Des Depth (Inches)		the depth	needed to documer			nfirm th	Texture	Remarks
Profile Des Depth	<u>Matrix</u>		needed to documer Red	ox Feature	S			
Profile Des Depth (Inches)	<u>Matrix</u>		needed to documer Red	ox Feature	S		Texture	Remarks
Profile Des Depth (Inches)	<u>Matrix</u>		needed to documer Red	ox Feature	S		Texture	Remarks
Profile Des Depth (Inches)	<u>Matrix</u>		needed to documer Red	ox Feature	S		Texture	Remarks
Profile Des Depth (Inches)	<u>Matrix</u>		needed to documer Red	ox Feature	S		Texture	Remarks
Profile Des Depth (Inches) 0-12	Matrix Color (moist)	%	needed to documer Rec Color (moist)	dox Feature	s Type <sup>1</sup>	Loc²	Texture silty clay loam	Remarks mixed sub/soil fill
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Stratific Stratific Sandy Stratific Sandy Stratictve Type: Depth: (I	oncentration, D=Depleti Indicators: It (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface (A12) Mucky Mineral (S1) lucky Peat or Peat (S3) Layer (if observed):	ion, RM=Re	duced Matrix, CS=C  Sandy Gieyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark Redox Depres	overed or C  Matrix (S4) (S5) (X (S6) Mineral (F1) Matrix (F3) (X (F3) urface (F6) (X Surface (F6) (X Surface (F8)	S Type¹  Type¹  Toated San	Loc²	Texture silty clay loam  2Location: Indicators for Prol Coast Prairie R Iron-Manganes Other (Explain  Indicators of hydro wetland hydrolog	Remarks mixed sub/soil fill  PL=Pore Lining, M=Matrix blematic Hydric Soils³: ledox (A16) se Masses (F12) in Remarks)  phytic vegetation and gy must be present.  t? Yes Yes

HULL & ASSOCIATES, INC. DUBLIN, OHIO

## **Routine Wetland Determination Form**

		PAGE 2
		Sampling Date: 6/29/2011 Sampling Point: SP33
HYDROLOGY		
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required:	check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	☐ Water-Stained Leaves (B9)	⊠ Surface Soil Cracks (B6)
High Water Table (A2)	Aquatic Fauna (B13)	☑ Drainage Patterns (B10)
Saturation (A3)	True Aquatic Plants (B14)	Dry-Season Water Table (C2)
Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	Presence of Reduced Iron (C4)	Geomorphic Position (D2)
Algał Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	
iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? No Depth (Inc.	ches):	
Water Table Present? No Depth (Inc	ches):	
Saturation Present? No Depth (Includes capillary fringe)	ches): Wetland Hydrology Pr	resent? Yes
Recorded Data (Describe in Remarks):		
☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other		
☑ No Recorded Data		•
Remarks: The wetland hydrology criterion has b	een met,	
Wetland appears to be non-isolated, outlets to w S.	etland ditch in upland woods to east and eventually	drains through agriculture fields off site to Stream

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #SP33 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Echinochioa muricata	FACW+	Herb	90	90%	Yes
Eleocharis obtusa	OBL	Herb	8	8%	
Carex squarross	FACW	Herb	2	2%	
		Herb			
		Неть			
		Негь			
_		Herb			
		TDM≔	100		
Salix nigra	FACW+	Shrub/Sap	1	50%	Yes
Populus deltoides	FAC	Shrub/Sap	1	50%	Yes
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			<u>-</u>
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap	· - ·		
<u> </u>		Shrub/Sap			
		Shrub/Sap			
		TDM=	2		
		Ттее			
· · · · · · · · · · · · · · · · · · ·		Tree			
		TDM=	0		
		Vine			
		Vine			
		Vine			-
	- 11 - 12 - 17	Vine			
		TDM=	0	<u> </u>	

#### **Routine Wetland Determination Form**

6		~						
Project/S	ite; EVP010 Phase I			City/Count	ty: Champaign C	o. Sampling	Date: 10/13/11	
Applicant	Owner: Everpower			State: OH		Sampling i	Point: SP43	
Investigat	tor(s): BMF			Section, To	ownship, Range	::		
Slope (%): Soil Map I Are climat Are Veget	(hillslope, terrace, etc.): :0-2 Lat: 40.06  Unit Name: Brookston si ic/hydrologic conditions of ation ☐, Soil ☐, or Hy ation ☐, Soil ☐, or Hy	Ity clay loar on the site t drology	typical for this time of y significantly disturbe	3669 year? Yes ed? Are "Nor	Datum: V N (If no, explain in mal Circumstanc	es" present? Yes	EM1C	
SUMMAR	RY FINDINGS - Attac	h site ma	p showing sampli	ng point lo	cations, trans	ects, important 1	features, etc.	
Hydrophyl	ic Vegetation Present?	Yes		is the	Sampled Area			
Hydric Soi	Present?	Yes		within	a Wetland?	Yes		
	lydrology Present?	Yes			•			
Remarks:	Wetland T, ten flags, iso	lated				. Y-1000		
VEGETA	TION	(U	SFWS Region No.	1 - Northe	ast Sub-Regio	n)		
	See atta	ched shee	t for listing of plant s	species and	identification of	dominant vegetat	ion	
Percent of	Dominant Species that			•				
ll .	al Test: 3 > 0 = Pass							
1								
Prevalence								
Remarks:	Hydrophytic plant comm	unity is pre	sent					
SOIL			LRR; M					
	scription: (Describe to	the depth			or or confirm th	e absence of indic	ators.)	
Depth (Inches)	Matrix Color (moist)	%	Color (moist)	lox Features %	Type¹ Loc²	Texture	Remarks	
0-6	2.5Y5 / 1	80	2.5Y4 / 2	20	. 3700	SILT LOAM	DAMP	
6-12	2.5Y4 / 1	90	2.5Y5 / 2	10		SILT LOAM	CONCENTRATIONS	
						•		
	-		<u> </u>	<u> </u>				
·		<del> </del>		<del>  -</del>		<u> </u>		
			<del> </del>	<del> </del>	<del></del>	<del> </del>		
Hydric Soil Histose Histic I Black I Hydrog Stratifie	Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.  Hydric Soll Indicators:  Histosol (A1)  Sandy Gleyed Matrix (S4)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  2 cm Muck (A10)  *Location: PL=Pore Lining, M=Matrix							
☐ Thick [☐ Sandy☐ 5 cm N	☐ 2 cm Muck (A10) ☐ Depleted Mathx (F3) ☐ Depleted Below Dark Surface (A11) ☐ Redox Dark Surface (F6) ☐ Thick Dark Surface (A12) ☐ Depleted Dark Surface (F7) Indicators of hydrophytic vegetation and ☐ Sandy Mucky Mineral (S1) ☐ Redox Depressions (F8) wetland hydrology must be present. ☐ 5 cm Mucky Peat or Peat (S3)							
Type: Depth: (	: Layer (if observed): inches): Hydric soil is present	<b>-,,</b> ,,,,,,				Hydric Soil Prese Soil pit dug? (if yes select one)	Yes	

		PAGE 2
•		Sampling Date: 10/13/11 Sampling Point: SP43
		Janping Point. 07 40
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required	: check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	☐ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
☐ Saturation (A3)	True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
☐ Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	☑ Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	Presence of Reduced Iron (C4)	☑ Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)
☐ Iron Deposits (B5)	Thin Muck Surface (C7)	Other (Explain in Remarks)
Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? No Depth (In	ches):	
Water Table Present? No Depth (In	ches):	
Saturation Present? No Depth (Includes capillary fringe)	ches): Wetland Hydrology Pa	resent? Yes
Recorded Data (Describe in Remarks):		
☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other		
☑ No Recorded Data		
Remarks: Three secondary indicators of wetland	d hydrology are present.	
	•	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #43 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Typha latifolia	OBL	Herb	55	55%	Yes
Polygonum pensylvanicum	FACW	Herb	30	30%	Yes
Cyperus esculentus	FACW	Herb	3	3%	
Lactuca serriola	FAC-	Herb	10	10%	
Echinochloa crusgalli	FACU	Herb	1	1%	
Setaria faberi	UPL	Herb	1	1%	
		Herb			
		TDM=	100		
Acer saccharinum	FACW	Shrub/Sap	10	100%	Yes
		Shrub/Sap		· · · · · ·	
		Shrub/Sap			
	· · · · · · · · · · · · · · · · · · ·	Shrub/Sap			
		TDM=	10		
		Tree			
-		Tree			
	<u></u>	Tree			
		TDM=	0		
		Vine			
		TDM=	0		

Project/Si	ite: EVP010 Phase I			City/Co	unty: Chan	npaign C	o. Sampling	Date: 10/13/11
Applicant	Owner: Everpower			State: 0	Н		Sampling	Point: SP44
Investigat	tor(s): BMF			Section,	, Township	, Range	::	
Landform	(hillslope, terrace, etc.):			L	ocal relief (	concave,	convex, none):	
Slope (%):	• •	8450	Long: 83.60				VGS 1984	
Soil Map (	Jnit Name: Brookston si	ity clay loar	n			N	VI classification: N	one
Are climati	ic/hydrologic conditions	on the site t	ypical for this time of	year? Ye	es (If no, e	xplain in	Remarks.)	
Are Veget	ation 🔲, Soil 🔲, or Hy	drology 🗀	significantly disturbe	ed? Are "N	lormal Circ	umstance	es" present? Yes	3
Are Veget	ation □, Soil □, or Hy	drology 🔲	naturally problematic	? (If needs	ad, explain	any ansv	vers in Remarks).N	lo
	RY FINDINGS - Attac							
Hydrophyl	ic Vegetation Present?	Yes		ls th	e Sample	d Area		
Hydric Soi	Present?	Yes		with	in a Wetla	nd?	Yes	
-	lydrology Present?	Yes						
Remarks:	Wetland U, 5 flags, isola	ited						<u> </u>
	. •							
VEGETA	TION	(U	SFWS Region No.	1 - Norti	neast Sub	-Regio	n)	
	See atta		t for listing of plant :					lion
Percent of	Dominant Species that			-				
i		are ope, , ,	TOTT OF I AGE (GADIGO	ilig i Au-j	- 22 - 10	,,		
	ral Test: 1 > 0 = Pass							
Prevalence	e Index =							
Remarks:	Hydrophytic plant comm	unity is pre	sent				· · · · · · · · · · · · · · · · · · ·	
SOIL			LRR: M					
	scription: (Describe to	the depth				nfirm th	e absence of indic	cators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Featur	es Type <sup>(</sup>	Loc²	Texture	Remarks
0-7	10YR 3/1	85	10YR_4/4	15	1,722		SILT LOAM	DAMP
7-12	2.5Y3 / 1	95	2.5Y5 / 3	5			SILTY CLAY	DAMP
			ļ	ļ <u> </u>	<del> </del>			
				<del></del>	-		<u></u>	
	Concentration, D=Deple	ion, RM=R	educed Matrix, CS=C	overed or 6	Coated Sar	nd Grains		PL=Pore Lining, M=Matrix
<u></u>	I Indicators:		Candy Clayed	Matrix (C)	11		Indicators for Pro	oblematic Hydric Soils <sup>3</sup> :
☐ Histos	or(A1) Epipedon (A2)		☐ Sandy Gleyed☐ Sandy Redox	•	T)		=	se Masses (F12)
=	Histic (A3)		Stripped Matri				Other (Explain	
	gen Sulfide (A4)		Loamy Mucky		1)			· · · · · · · · · · · · · · · · · · ·
	ed Layers (A5)		Loamy Gleyed	•	•			
2 cm N	luck (A10)		Depleted Matr		_			
	ed Below Dark Surface	(A11)	Redox Dark S	•			Simplify of the sale	anhidia impatation and
	Dark Surface (A12) Mucky Mineral (S1)		☐ Depleted Dark ☐ Redox Depres		•		•	ophytic vegetation and ogy must be present.
	fucky Peat or Peat (S3)		T Legax Debies	aiona (1.0)			Totalia injuitor	-a,aot do prodona
	Layer (if observed):		<del></del>					
Type:	- 						Hydric Soil Prese	
Depth: (					<del></del>		Soil pit dug?	Yes
Kemarks:	Hydric soil is present						(if yes select one)	; i Probe
						•		

		PAGE 2
		Sampling Date: 10/13/11 Sampling Point: SP44
HYDROLOGY		
Wetland Hydrology Indicators: Primary Indicators (minimum of one is	required: check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	ts (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B2)	Presence of Reduced Iron (C4)	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Solls (	(C6) S FAC-Neutral Test (D5)
☐ Iron Deposits (B5)	Thin Muck Surface (C7)	Other (Explain in Remarks)
Inundation Visible on Aerial Image	ry (B7) 🔲 Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surfa	ace (B8)	
	Depth (Inches): Depth (Inches):	
Saturation Present? No (includes capillary fringe)	Depth (Inches): Wetland Hydro	ology Present? Yes
☐ Recorded Data (Describe in Re ☐ Stream, Lake, or Tide Gaug ☐ Aerial Photographs ☐ Other ☑ No Recorded Data  Remarks: Two secondary hydrologic in	e	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #44 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Lactuca serriola	FAC	Herb	15	20%	Yes
Typha latifolia	OBL	Herb	40	47%	Yes
Echinochloa muricata	FACW+	Herb	5	6%	
Epilobium coloratum	OBL	Herb	20	10%	
Lycopus uniflorus	OBL	Herb	5	1%	
Setaria faberi	UPL	Herb	1	1%	
		Herb			
		TDM=	86		
Ulmus americana	FACW-	Shrub/Sap	3	100%	No
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap		•••	
		Shrub/Sap			-
		TDM=	3		
Fraxinus pennsylvanica	FACW	Tree	1	100%	No
		Tree			
	··	Tree			
	· _ · . · = · .	Tree			-,
	· · · · · · · · · · · · · · · · · · ·	Tree			
		Tree	• • • •	į	<u></u>
· • • · · ·		TDM=	1		
		Vine			<del></del>
		TDM=	0		

				<del>, , ,</del> ,						
Project/Si	te: EVP010 Phase I			City/Cou	nty: Chan	npaign (	Co.	Sampling	Date: 10/13/11	
Applicant	Owner: Everpower			State: Of	1		,	Sampling	Point: SP45	
Investigat	or(s): BMF			Section,	Township	, Rang	e: :	,		
	(hillslope, terrace, etc.):			<del>'                                    </del>	cal relief (			יי מחתם)י		
Slope (%):		S022	Long: 83.60	,		atum: V		-		
	Jnit Name: Wea silt loan	-	Long. 00.00	1441				ssification: P	DEN#1A	
1			-ii for this time of		. //6	1			CIVITA	
	c/hydrologic conditions o	-	•	-	•					
_	ation 🔲, Soil 🔲, or Hyd		•				•		-	
Are Vegeta	ation 🔲, Soil 🔲, or Hy	drology 📙 r	naturally problematic	? (If neede	d, explain	any ans	wers in	Remarks).N	No .	
SUMMAR	RY FINDINGS - Attac	h site ma	p showing sampli	ng point	location	s, tran	sects,	important	features, etc.	
Hydrophyti	ic Vegetation Present?	Yes		is the	e Sample	d Area				
Hydric Soil	Present?	Yes		withi	n a Wetla	nd?	Yes		•	
Wetjand H	ydrology Present?	Yes								
Remarks:	Wetland V, isolated				= -!			· · · · · · · · · · · · · · · · · · ·		
			·							
VEGETA	TION	(US	SFWS Region No.	1 - North	east Sub	-Regio	on)		, ,,,,	
			for listing of plant :		·····			nant vegeta	ition	
Percent of	Dominant Species that a	are OBL. FA	CW or FAC: (exclud	Ing FAC-) =	2/2 = 100	) %				<del></del>
1	al Test: 2 > 0 = Pass	,,	, <b>,</b>	,						
Prevalence	index =			•						
Remarks: I	Hydrophytic plant comm	unity is pres	ent	·						
							٠			
SOIL			LRR: M							
SOIL Profile Des	scription: (Describe to	the depth				nfirm t	he abs	ence of indi	cators.)	
Profile Des Depth	Matrix		needed to documer Rec	ox Feature	s					
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer			onfirm t	Te	xture	cators.) Remarks	
Profile Des Depth	Matrix		needed to documer Rec	ox Feature	s		Te			-
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer Rec	ox Feature	s		Te	xture		
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer Rec	ox Feature	s		Te	xture		
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer Rec	ox Feature	s		Te	xture		
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer Rec	ox Feature	s		Te	xture		
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer Rec	ox Feature	s		Te	xture		
Profile Des Depth (Inches) 0-12	Matrix Color (molst)	% 100	needed to documer Rec Color (moist)	lox Feature %	s Type <sup>1</sup>	Loc <sup>2</sup>	Ter	xture ty clay		<i>A</i> atrix
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 10YR 3 / 1  oncentration, D=Deplet	% 100	needed to documer Rec Color (moist)	lox Feature %	s Type <sup>1</sup>	Loc <sup>2</sup>	Te:	ture ty clay <sup>2</sup> Location: ators for Pro	Remarks  PL=Pore Lining, M=N oblematic Hydric Soi	
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi	Matrix Color (moist) 10YR 3 / 1  oncentration, D=Depleti Indicators:	% 100	needed to documer Rec Color (moist)  duced Matrix, CS=C	by Feature %  overed or C  Matrix (S4	S Type <sup>l</sup> Coated Sar	Loc <sup>2</sup>	Te: sit	ty clay  2Location: ators for Procoast Prairie	Remarks  PL=Pore Lining, M=N oblematic Hydric Soil	
Profile Des Depth (Inches) 0-12  Type: C=C Hydric Soi Histosc Histosc Histosc	Matrix Color (moist) 10YR 3 / 1  oncentration, D=Depleti Indicators: ol (A1) Epipedon (A2)	% 100	duced Matrix, CS=C	overed or C Matrix (S4 (S5)	S Type <sup>l</sup> Coated Sar	Loc <sup>2</sup>	Te: sit	<sup>2</sup> Location: ators for Pro Coast Prairie ron-Mangane	Remarks  PL=Pore Lining, M=N roblematic Hydric Soil Redox (A16) ese Masses (F12)	
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histic E Black H	Oncentration, D=Depleti	% 100	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri	overed or C Matrix (S4 (S5) x (S6)	S Type <sup>l</sup> Coated Sar	Loc <sup>2</sup>	Te: sit	<sup>2</sup> Location: ators for Pro Coast Prairie ron-Mangane	Remarks  PL=Pore Lining, M=N oblematic Hydric Soil	
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc	Oncentration, D=Depleti Indicators: ol (A1) Epipedon (A2) distic (A3) ren Sulfide (A4)	% 100	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky	overed or C  Matrix (S4 (S5) x (S6) Mineral (F1	Type' Coated Sar	Loc <sup>2</sup>	Te: sit	<sup>2</sup> Location: ators for Pro Coast Prairie ron-Mangane	Remarks  PL=Pore Lining, M=N roblematic Hydric Soil Redox (A16) ese Masses (F12)	
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histic E Black I Hydrog Stratifie	Oncentration, D=Depleti	% 100	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri	overed or C Matrix (S4 (S5) x (S6) Mineral (F1 Matrix (F3	Type' Coated Sar	Loc <sup>2</sup>	Te: sit	<sup>2</sup> Location: ators for Pro Coast Prairie ron-Mangane	Remarks  PL=Pore Lining, M=N roblematic Hydric Soil Redox (A16) ese Masses (F12)	
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Hydrog Stratifle 2 cm M Deplete	Matrix Color (moist)  10YR 3 / 1  oncentration, D=Depleti Indicators: ol (A1) Epipedon (A2) distic (A3) een Sulfide (A4) ad Layers (A5) luck (A10) ed Below Dark Surface (	% 100 on, RM=Re	duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S	overed or C Matrix (S4 (S5) x (S6) Mineral (F1 Matrix (F3) ix (F3) urface (F6)	Type' Coated Sar	Loc <sup>2</sup>	sit	<sup>2</sup> Location: ators for Pri Coast Prairie ron-Mangane Other (Explai	Remarks  PL=Pore Lining, M=N coblematic Hydric Soil Redox (A16) ese Masses (F12) in in Remarks)	ls³:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc	Matrix Color (moist)  10YR 3 / 1  10YR 3 / 1  oncentration, D=Depleti Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface (A12)	% 100 on, RM=Re	duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark	overed or C  Matrix (S4 (S5) x (S6) Mineral (F4 I Matrix (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sar	Loc <sup>2</sup>	sit	<sup>2</sup> Location: ators for Pri Coast Prairie ron-Mangane Other (Explai	Remarks  PL=Pore Lining, M=N  coblematic Hydric Soil  Redox (A16)  ese Masses (F12)  in in Remarks)	ls <sup>5</sup> :
Profile Des     Depth (Inches)     0-12     Type: C=C     Histoso     Histoso     Histoso     Histoso     Stratifle     2 cm M     Deplete     Sandy	Matrix Color (moist)  10YR 3 / 1  10YR 3 / 1  concentration, D=Depleti Indicators: cl (A1) Epipedon (A2) distic (A3) den Sulfide (A4) ded Layers (A5) luck (A10) ded Below Dark Surface (A12) Mucky Mineral (S1)	% 100 on, RM=Re	duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S	overed or C  Matrix (S4 (S5) x (S6) Mineral (F4 I Matrix (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sar	Loc <sup>2</sup>	sit	<sup>2</sup> Location: ators for Pri Coast Prairie ron-Mangane Other (Explai	Remarks  PL=Pore Lining, M=N coblematic Hydric Soil Redox (A16) ese Masses (F12) in in Remarks)	ls <sup>5</sup> :
Profile Des Depth (Inches) 0-12	Matrix Color (moist)  10YR 3 / 1  10YR 3 / 1  oncentration, D=Depleti Indicators: ol (A1) Epipedon (A2) filstic (A3) een Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) ucky Peat or Peat (S3)	% 100 on, RM=Re	duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark	overed or C  Matrix (S4 (S5) x (S6) Mineral (F4 I Matrix (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sar	Loc <sup>2</sup>	sit	<sup>2</sup> Location: ators for Pri Coast Prairie ron-Mangane Other (Explai	Remarks  PL=Pore Lining, M=N  coblematic Hydric Soil  Redox (A16)  ese Masses (F12)  in in Remarks)	ls³:
Profile Des Depth (Inches) 0-12	Matrix Color (moist)  10YR 3 / 1  10YR 3 / 1  concentration, D=Depleti Indicators: cl (A1) Epipedon (A2) distic (A3) den Sulfide (A4) ded Layers (A5) luck (A10) ded Below Dark Surface (A12) Mucky Mineral (S1)	% 100 on, RM=Re	duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark	overed or C  Matrix (S4 (S5) x (S6) Mineral (F4 I Matrix (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sar	Loc <sup>2</sup>	Is. (Indic	<sup>2</sup> Location: ators for Pri Coast Prairie ron-Mangane Other (Explai	Remarks  PL=Pore Lining, M=N oblematic Hydric Soil Redox (A16) ese Masses (F12) in in Remarks)  rophytic vegetation and	ls³:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histoso Histoso Stratifie 2 cm M Deplete Sandy Sandy S cm M Restrictive	Matrix Color (moist)  10YR 3 / 1  oncentration, D=Deplet Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface ( bark Surface (A12) Mucky Mineral (S1) ucky Peat or Peat (S3) Layer (if observed):	% 100 on, RM=Re	duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark	overed or C  Matrix (S4 (S5) x (S6) Mineral (F4 I Matrix (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sar	Loc <sup>2</sup>	Indic C	<sup>2</sup> Location: ators for Pricoast Prairie ron-Mangane Other (Explairie	Remarks  PL=Pore Lining, M=N oblematic Hydric Soil Redox (A16) ese Masses (F12) in in Remarks)  rophytic vegetation and	ls <sup>5</sup> :
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Stratific Z cm M Deplete Sandy S cm M Restrictive Type: Depth: (i	Matrix Color (moist)  10YR 3 / 1  oncentration, D=Deplet Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface ( bark Surface (A12) Mucky Mineral (S1) ucky Peat or Peat (S3) Layer (if observed):	% 100 on, RM=Re	duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark	overed or C  Matrix (S4 (S5) x (S6) Mineral (F4 I Matrix (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sar	Loc <sup>2</sup>	Is. (Indic Control of	<sup>2</sup> Location: ators for Procast Prairie ron-Mangane Other (Explainies) cators of hydelland hydroloc c Soil Prese	Remarks  PL=Pore Lining, M=N coblematic Hydric Soil Redox (A16) ese Masses (F12) in in Remarks)  rophytic vegetation and logy must be present.  ent? Yes Yes	ls <sup>5</sup> :
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Stratific Z cm M Deplete Sandy S cm M Restrictive Type: Depth: (i	Matrix Color (moist)  10YR 3 / 1  10YR 3 / 1  oncentration, D=Depleti Indicators: ol (A1) Epipedon (A2) distlic (A3) Iten Sulfide (A4) ad Layers (A5) luck (A10) ad Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) ucky Peat or Peat (S3)  Layer (if observed): Inclies):	% 100 on, RM=Re	duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark	overed or C  Matrix (S4 (S5) x (S6) Mineral (F4 I Matrix (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sar	Loc <sup>2</sup>	Is. (Indic Control of	<sup>2</sup> Location: ators for Pricoast Prairie ron-Mangane Other (Explain cators of hydrologicators of hydrologicat	Remarks  PL=Pore Lining, M=N coblematic Hydric Soil Redox (A16) ese Masses (F12) in in Remarks)  rophytic vegetation and logy must be present.  ent? Yes Yes	ls <sup>5</sup> :
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Stratific Z cm M Deplete Sandy S cm M Restrictive Type: Depth: (i	Matrix Color (moist)  10YR 3 / 1  10YR 3 / 1  oncentration, D=Depleti Indicators: ol (A1) Epipedon (A2) distlic (A3) Iten Sulfide (A4) ad Layers (A5) luck (A10) ad Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) ucky Peat or Peat (S3)  Layer (if observed): Inclies):	% 100 on, RM=Re	duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark	overed or C  Matrix (S4 (S5) x (S6) Mineral (F4 I Matrix (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sar	Loc <sup>2</sup>	Is. (Indic Control of	<sup>2</sup> Location: ators for Pricoast Prairie ron-Mangane Other (Explain cators of hydrologicators of hydrologicat	Remarks  PL=Pore Lining, M=N coblematic Hydric Soil Redox (A16) ese Masses (F12) in in Remarks)  rophytic vegetation and logy must be present.  ent? Yes Yes	ls <sup>5</sup> :

	, <u>, , , , , , , , , , , , , , , , , , </u>	PAGE 2
		Sampling Date: 10/13/11 Sampling Point: SP45
HYDROLOGY		outilpailig i outil of to
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required	; check all that apply)	Secondary Indicators (minimum of two required)
☑ Surface Water (A1)	Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☑ High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
☑ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	Presence of Reduced Iron (C4)	Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
Inundation Visible on Aerial Imagery (B7)	Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? Yes Depth (In	ches): 12"	·
Water Table Present? Yes Depth (In	ches): Surface	
Saturation Present? Yes Depth (In (Includes capillary fringe)	ches): Surface Wetland Hydrology Pr	esent? Yes
Recorded Data (Describe in Remarks):		
☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other		
⊠ No Recorded Data		
Remarks: Four primary and one secondary indi	cator of wetland hydrology are present.	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #45 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Typha latifolia	FACW	Herb	35	35%	Yes
Echinochloa muricata	FACW+	Herb	30	30%	Yes
Leersia oryzoides	OBL	Herb	10	10%	
Schoenopiectus tabemaemontani	OBL	Herb	5	5%	
Lemna minor	OBL	Herb	5	5%	
Bidens cernua	OBL	Herb	15	15%	
		Herb			
		Harb			
		Herb			
		Herb			
		TDM=	100		
		Shrub/Sap			
		TDM≔	0		
		Tree			
		TDM=	0		
		Vine			
<u>, ,                                  </u>		TDM=	0		

Project/Si	te: EVP010 Phase II			City/Cou	nty: Chan	nnaign (	ìn	Sampling	Date: 10/17/11	
1 *	Owner: Everpower			State: Ol	•	npaign c			Point: SP46	
	or(s): BMF				Townshij	n Range	ا مند	omining	I Ome of to	
		<u></u>							DECANE	<del></del>
Slope (%):	(hillslope, terrace, etc.): 0-2	752	Long: 83.62			concave Datum: \		k, none): C0 sa	JNGAVE	
1	امریک کا المال کا ا المال کا المال کا ا		-	.0351				sification: P	EM1C	
1 .	c/hydrologic conditions			vear? Ve	s (lfna s				Lin I O	
1	ation 🔲, Soil 🔲, or Hyd		•		•	•		•	e	
	ation, Soil, or Hyd	-•	= -				-			
Ale veget	addit CJ, Coli CJ, Or Fly	, ciogy	naturally problemate	, (II ricede	a, explain	any and	WO13 111			
SUMMAR	RY FINDINGS - Attac	h site ma	p showing sampli	ng point	location	s, trans	ects, i	mportant	features, etc.	
Hydrophyt	ic Vegetation Present?	Yes		Is the	e Sample	d Area				
Hydric Sol	Present?	Yes		withi	in a Wetla	nd?	Yes			
Wetland H	ydrology Present?	Yes								
					111111111111111111111111111111111111111		<del></del>			· · · · · · · · · · · · · · · · · · ·
Remarks:	In a pasture, low spot, or	oncave surf	ace, isolated; Wetland	u vv, 6 tlags	5					
					····				· · · · · · · · · · · · · · · · · · ·	
VEGETA	TION	(US	SFWS Region No.	1 - North	east Sut	-Regio	n)	·		·
	See atta	ched sheet	t for listing of plant s	species an	d identifi	cation o	f domin	ant vegeta	tion	
Percent of	Dominant Species that	are OBL, FA	ACW or FAC: (excluding	ing FAC-) =	3/4 = 75	%				
FAC Neutr	al Test: 3 > 1 = Pass									
Prevalence	e Index =									
Remarks: I	Hydrophytic plant commi	unity is pres	sent							
SOII			I RR: M							
SOIL. Profile Dea	scription: (Describe to	the depth	LRR: M	t the indic	ator or co	onfirm ti	ne abse	nce of indi	cators.)	
Profile Des Depth	Matrix		needed to documen	iox Feature	s					
Profile Des Depth (inches)	Matrix Color (moist)	%	needed to documen			onfirm ti	Tex	ture	Remarks	
Profile Des Depth	Matrix		needed to documen	iox Feature	s		Tex			
Profile Des Depth (inches)	Matrix Color (moist)	%	needed to documen	iox Feature	s		Tex	ture	Remarks	
Profile Des Depth (inches)	Matrix Color (moist)	%	needed to documen	iox Feature	s		Tex	ture	Remarks	
Profile Des Depth (inches)	Matrix Color (moist)	%	needed to documen	iox Feature	s		Tex	ture	Remarks	
Profile Des Depth (inches)	Matrix Color (moist)	%	needed to documen	iox Feature	s		Tex	ture	Remarks	
Profile Der Depth (Inches) 0-12	Matrix Color (moist) 2.5Y3 / 1	% 100	needed to documen Red Color (moist)	ox Feature %	s Type'	Loc²	Tex silt	ture	Remarks	
Profile Der Depth (Inches) 0-12	Matrix Color (moist) 2.5Y3 / 1  concentration, D=Deplet	% 100	needed to documen Red Color (moist)	ox Feature %	s Type'	Loc²	Tex silt	ture foam <sup>2</sup> Location:	Remarks damp  PL=Pore Lining, M=N	
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi	Matrix Color (moist) 2.5Y3 / 1  concentration, D=Deplet	% 100	needed to documen Red Color (moist)  cduced Matrix, CS=Co	ox Feature %	Type!	Loc²	Tex silt	ioam  2Location:	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi	
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi	Matrix Color (moist) 2.5Y3 / 1  concentration, D=Deplet Indicators:	% 100	needed to documen Red Color (moist)  cduced Matrix, CS=Co	ox Feature %  overed or C  Matrix (S4	Type!	Loc²	Tex silt	<sup>2</sup> Location: tors for Propast Prairie	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16)	
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos	Matrix Color (moist) 2.5Y3 / 1  concentration, D=Deplet	% 100	needed to documen Red Color (moist)  cduced Matrix, CS=Co	overed or C Matrix (S4 (S5)	Type!	Loc²	Tex silt	<sup>2</sup> Location: tors for Propast Prairie on-Mangane	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi	
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Histosc Hydrog	Matrix Color (moist) 2.5Y3 / 1  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) fistic (A3) ren Sulfide (A4)	% 100	cduced Matrix, CS=Co Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky	overed or C Matrix (S4 (S5) x (S6) Mineral (F	Type' Coated Sai	Loc²	Tex silt	<sup>2</sup> Location: tors for Propast Prairie on-Mangane	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12)	
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Hydrog Stratific	Matrix Color (moist) 2.5Y3 / 1  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) distic (A3) ten Sulfide (A4) ted Layers (A5)	% 100	cduced Matrix, CS=Co Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed	overed or C Matrix (S4 (S5) x (S6) Mineral (F <sup>2</sup>	Type' Coated Sai	Loc²	Tex silt	<sup>2</sup> Location: tors for Propast Prairie on-Mangane	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12)	
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Hydrog Stratific 2 cm M	Matrix Color (moist) 2.5Y3 / 1  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) distic (A3) ren Sulfide (A4) ed Layers (A5) fluck (A10)	% 100 on, RM=Re	educed Matrix, CS=Co Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	overed or C  Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3)	Type' Coated Sai	Loc²	Tex silt	<sup>2</sup> Location: tors for Propast Prairie on-Mangane	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12)	
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Hydrog Stratific 2 cm M Deplete	Matrix Color (moist) 2,5Y3 / 1  concentration, D=Deplet Indicators: of (A1) Epipedon (A2) distic (A3) ten Sulfide (A4) ted Layers (A5) suck (A10) ad Below Dark Surface (	% 100 on, RM=Re	educed Matrix, CS=Co Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S	overed or C  Matrix (S4 (S5) x (S6) Mineral (F3) ix (F3) urface (F6)	Type' Coated Sai	Loc²	s. Indica	<sup>2</sup> Location: tors for Propast Prairie on-Mangane ther (Explair	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12)	ils <sup>3</sup> :
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Hydrog Stratific 2 cm M Deplete Thick I Sandy	Matrix Color (moist) 2.5Y3 / 1  2.5Y3 / 1  concentration, D=Deplet Indicators: Indicators: cipipedon (A2) fistic (A3) een Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 100 on, RM=Re	educed Matrix, CS=Co Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	overed or C  Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sai	Loc²	s. Indica	<sup>2</sup> Location: tors for Propast Prairie on-Mangane ther (Explain	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12) n in Remarks)	ils <sup>3</sup> :
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histose Histose Hydrog Stratifie 2 cm M Deplete Thick I Sandy Sandy 5 cm M	Matrix Color (moist) 2.5Y3 / 1  2.5Y3 / 1  concentration, D=Deplet Indicators: col (A1) Epipedon (A2) fistic (A3) ren Sulfide (A4) red Layers (A5) ruck (A10) red Below Dark Surface (Ork Surface (A12) Mucky Mineral (S1) rucky Peat or Peat (S3)	% 100 on, RM=Re	color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  Sandy Redox  Stripped Matrix  Loamy Mucky  Loamy Gleyed  Depleted Matrix  Redox Dark Solor (moist)	overed or C  Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sai	Loc²	s. Indica	<sup>2</sup> Location: tors for Propast Prairie on-Mangane ther (Explain	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12) n in Remarks)	ils <sup>3</sup> :
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histore Histore Hydrog Stratifie 2 cm M Deplete Thick I Sandy 5 cm M Restrictive	Matrix Color (moist) 2.5Y3 / 1  2.5Y3 / 1  concentration, D=Deplet Indicators: Indicators: cipipedon (A2) fistic (A3) een Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 100 on, RM=Re	color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  Sandy Redox  Stripped Matrix  Loamy Mucky  Loamy Gleyed  Depleted Matrix  Redox Dark Solor (moist)	overed or C  Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sai	Loc²	s. Indica	<sup>2</sup> Location: tors for Propast Prairie on-Mangane ther (Explain	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12) n in Remarks)  rophytic vegetation and	ils <sup>3</sup> :
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histose Histose Hydrog Stratifie 2 cm M Deplete Thick I Sandy Sandy 5 cm M	Matrix Color (moist) 2.5Y3 / 1  2.5Y3 / 1  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface ( Dark Surface (A12) Mucky Mineral (S1) lucky Peat or Peat (S3) Layer (if observed):	% 100 on, RM=Re	color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  Sandy Redox  Stripped Matrix  Loamy Mucky  Loamy Gleyed  Depleted Matrix  Redox Dark Solor (moist)	overed or C  Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sai	Loc²	s. Indica  Indica  Indica  Hydric	<sup>2</sup> Location: tors for Prepart Prairie on-Mangane ther (Explair	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12) n in Remarks)  rophytic vegetation and	ils³:
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Hydrog Stratific 2 cm M Deplete Thick I Sandy Sandy Stratific Sandy Section M Restrictive Type: Depth: (	Matrix Color (moist) 2.5Y3 / 1  2.5Y3 / 1  concentration, D=Deplet Indicators: col (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) suck (A10) ed Below Dark Surface ( Dark Surface (A12) Mucky Mineral (S1) sucky Peat or Peat (S3) Layer (if observed):	% 100 on, RM=Re	color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  Sandy Redox  Stripped Matrix  Loamy Mucky  Loamy Gleyed  Depleted Matrix  Redox Dark Solor (moist)	overed or C  Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sai	Loc²	s. Indica Gold Pide Soil pi	<sup>2</sup> Location: tors for Prepast Prairie on-Mangane ther (Explair	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12) n in Remarks)  rophytic vegetation and ogy must be present.  ent? Yes Yes	ils³:
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Hydrog Stratific 2 cm M Deplete Thick I Sandy Sandy Stratific Sandy Section M Restrictive Type: Depth: (	Matrix Color (moist) 2.5Y3 / 1  2.5Y3 / 1  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) filistic (A3) Iren Sulfide (A4) Iren Sulfide (A4) Iren Sulfide (A1) Iren Surface (A12) Mucky Mineral (S1) Iren Surface (A12) Mucky Peat or Peat (S3) Layer (if observed): Inches):	% 100 on, RM=Re	color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  Sandy Redox  Stripped Matrix  Loamy Mucky  Loamy Gleyed  Depleted Matrix  Redox Dark Solor (moist)	overed or C  Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sai	Loc²	s. Indica Gold Pide Soil pi	²Location: ²Location: tors for Propast Prainie on-Mangane ther (Explain ators of hydr land hydrole Soil Prese t dug?	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12) n in Remarks)  rophytic vegetation and ogy must be present.  ent? Yes Yes	ils³:
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Hydrog Stratific 2 cm M Deplete Thick I Sandy Sandy Stratific Sandy Section M Restrictive Type: Depth: (	Matrix Color (moist) 2.5Y3 / 1  2.5Y3 / 1  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) filistic (A3) Iren Sulfide (A4) Iren Sulfide (A4) Iren Sulfide (A1) Iren Surface (A12) Mucky Mineral (S1) Iren Surface (A12) Mucky Peat or Peat (S3) Layer (if observed): Inches):	% 100 on, RM=Re	color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  cduced Matrix, CS=Color (moist)  Sandy Redox  Stripped Matrix  Loamy Mucky  Loamy Gleyed  Depleted Matrix  Redox Dark Solor (moist)	overed or C  Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) urface (F6) Surface (F6)	Type' Coated Sai	Loc²	s. Indica Gold Pide Soil pi	²Location: ²Location: tors for Propast Prainie on-Mangane ther (Explain ators of hydr land hydrole Soil Prese t dug?	Remarks damp  PL=Pore Lining, M=N oblematic Hydric Soi Redox (A16) ese Masses (F12) n in Remarks)  rophytic vegetation and ogy must be present.  ent? Yes Yes	ils <sup>3</sup> :

		PAGE 2
·		Sampling Date: 10/17/11 Sampling Point: SP46
HYDROLOGY		
Wetland Hydrology Indicators: Primary Indicators (minimum of one i	required: check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	. Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	Dry-Season Water Table (C2)
☐ Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots	(C3) Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	Presence of Reduced Iron (C4)	☑ Geomorphic Position (D2)
☐ Algai Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	6) X FAC-Neutral Test (D5)
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
Inundation Visible on Aerial Imag	ry (B7) Gauge or Well Data (D9)	
☐ Sparsely Vegetated Concave Sur	ace (B8)	
Field Observations: Surface Water Present? No Water Table Present? No	Depth (inches):	
Saturation Present? No	Depth (Inches): Wetland Hydrol	logy Present? Yes
(includes capillary fringe)  Recorded Data (Describe in R Stream, Lake, or Tide Gau Aerial Photographs Other  No Recorded Data  Remarks: Three secondary hydrologic	emarks): e	·

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #46 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Eleocharis obtusa	OBL	Herb	15	25%	Yes
Bidens cernua	OBL	Herb	15	25%	Yes
Polygonum hydropiperoides	OBL	Herb	15	25%	Yes
Echinochloa crusgalli	FACU	Herb	15	25%	Yes
		Herb			
		· Herb			
		Herb			
		Herb			
		Herb			
		Herb			
		TDM=	60		
		Shrub/Sap			
		Shrub/Sap	-		
		Shrub/Sap			
		Shrub/Sap			
		YDM#	0		
		Tree			-
		Tree			
		Tree			
		Tree		Ü	
		Tree	" ' "		
	,	Tree		·····	
·		Tree			
		Tree			
	<del>-</del>	Tree			
		Tree			
		TDM=	0		
		Vine		,	· · · · · · · · · · · · · · · · · · ·
		Vine	·	···	1
		Vine			
- +		Vine			
		TDM=	0		

							m. a 40040044
ľ	te: EVP010 Phase II			City/County: Char	npaign Co.		Date: 10/18/11
R 45.	/Owner: Everpower			State: OH	_	Sampling	Point: SP50
Investigat	or(s): BMF			Section, Townshi			
1	(hillslope, terrace, etc.):		•	j j	(concave, cor		
Slope (%):			Long: 83.6	45795	Datum: WG		
,	Jnit Name: Brookston si					lassification; N	one
II .	c/hydrologic conditions						
, -	ation 🔲, Soil 🔲, or Hy						
Are Veget	ation 🔲, Soil 🔲, or Hy	drology 🔲	naturally problematic	? (If needed, explain	any answers	in Remarks).N	lo
SUMMAR	RY FINDINGS - Attac	ch site ma	p showing sampl	ing point location	s, transect	s, important	features, etc.
Hydrophyt	ic Vegetation Present?	Yes		Is the Sample	d Area		
Hydric Soi	i Present?	Yes		within a Wetia	and? Yes	}	
	lydrology Present?	Yes					
Remarks:	All three criteria met - w h wetland	etland. Wet	land Y, non-isolated,	39 flags		·	
VEGETA			SFWS Region No.			<u> </u>	
1	See atta	ched sheet	t for listing of plant	species and identif	cation of do	minant vegeta	tion
Percent of	Dominant Species that	are OBL, F	ACW or FAC; (exclud	ing FAC-) = 1/1 = 10	0 %		
FAC Neuti	rai Test: 1 > 0 = Pass						
Prevalence	e Index =						
	Hydrophytic plany comn	nunity ie nro	seant				
	Try or opiny to plany ocinit	Idiney is pro					
SOIL Brofile Do	scription: (Describe to	the denth	LRR: M				
			naeded to docume:	of the indicator or c	onfirm the a	osence of indi	cators.)
Depth	Matrix	tile debui	needed to docume	nt the indicator or c dox Features	onfirm the a	osence of indi	cators.)
(Inches)	Matrix Color (moist)	%	Rec	dox Features "Type"		Texture	Remarks
	Matrix		Color (moist) 2.5Y6 / 4	dox Features % Type' 2			
(Inches)	Matrix Color (moist)	%	Rec	dox Features "Type"		Texture	Remarks
(Inches)	Matrix Color (moist)	%	Color (moist) 2.5Y6 / 4	dox Features % Type' 2		Texture	Remarks
(Inches)	Matrix Color (moist)	%	Color (moist) 2.5Y6 / 4	dox Features % Type' 2		Texture	Remarks
(Inches)	Matrix Color (moist)	%	Color (moist) 2.5Y6 / 4	dox Features % Type' 2		Texture	Remarks
(Inches)	Matrix Color (moist)	%	Color (moist) 2.5Y6 / 4	dox Features % Type' 2		Texture	Remarks
(Inches) 0-7	Matrix Color (moist) 2.5Y3 / 1	% 93	Color (moist) 2.5Y6 / 4 2.5Y6 / 6	dox Features % Type' 2 5	Loc²	Texture silt loam	Remarks saturated
(Inches) 0-7	Matrix Color (moist) 2.5Y3 / 1  Concentration, D=Deple	% 93	Color (moist) 2.5Y6 / 4 2.5Y6 / 6	dox Features % Type' 2 5	Loc²	Texture silt loam <sup>2</sup> Location:	Remarks
(Inches) 0-7  'Type: C=0 Hydric So	Matrix Color (moist) 2.5Y3 / 1	% 93	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C	dox Features % Type¹ 2 5 5 covered or Coated Sa	Loc²	Texture silt loam  *Location: dicators for Pro Coast Prairie	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16)
(Inches) 0-7  'Type: C=C Hydric So Histos Histos	Matrix Color (moist) 2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2)	% 93	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyed Sandy Redox	dox Features % Type' 2 5 5 Covered or Coated Sa	Loc²	Texture silt loam  *Location: dicators for Pro Coast Prairie Iron-Mangane	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Solls <sup>3</sup> : Redox (A16) ese Masses (F12)
(Inches) 0-7  'Type: C=C Hydric So Histos Histos Black	Matrix Color (moist) 2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3)	% 93	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyect Sandy Redox Stripped Matrix	dox Features % Type' 2 5 5 covered or Coated Sat Matrix (S4) (S5) ix (S6)	Loc²	Texture silt loam  *Location: dicators for Pro Coast Prairie Iron-Mangane	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16)
'Type: C=C Hydric So Histos Histos Histos Hydrou	Matrix Color (moist) 2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4)	% 93	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky	dox Features % Type' 2 5  covered or Coated Sat Matrix (S4) (S5) ix (S6) Mineral (F1)	Loc²	Texture silt loam  *Location: dicators for Pro Coast Prairie Iron-Mangane	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Solls <sup>3</sup> : Redox (A16) ese Masses (F12)
'Type: C=C Hydric So Histic Black Hydro Stratifi	Matrix Color (moist)  2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5)	% 93	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer	dox Features % Type' 2 5 5 covered or Coated Sa d Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3)	Loc²	Texture silt loam  *Location: dicators for Pro Coast Prairie Iron-Mangane	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Solls <sup>3</sup> : Redox (A16) ese Masses (F12)
(Inches) 0-7  'Type: C=0 Hydric So Histic Black Hydrou Stratifi 2 cm M	Matrix Color (moist) 2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4)	% 93 tion, RM=Re	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky	dox Features % Type' 2 5 5 covered or Coated Sa d Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3) rix (F3)	Loc²	<sup>2</sup> Location: dicators for Pri Coast Prairie Iron-Mangane Other (Explai	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) n in Remarks)
(Inches) 0-7  'Type: C=0 Hydric So Histic Black Hydrou Stratifi 2 cm N Deplet	Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) led Below Dark Surface Dark Surface (A12)	% 93 tion, RM=Re	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer Depleted Mat Redox Dark S Depleted Dari	dox Features % Type' 2 5 5 covered or Coated Sat Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3) rix (F3) Surface (F6) k Surface (F7)	Loc²	<sup>2</sup> Location:  **Ideators for Pricators for Pricators Prairie Iron-Mangane Other (Explain dicators of hydrogenetics)	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in In Remarks)
(Inches) 0-7  "Type: C=0 Hydric So Histic Black Hydro; Stratifi 2 cm M Deplet Thick I	Color (moist)  2.5Y3 / 1  Concentration, D=Depler il Indicators: oil (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ded Below Dark Surface Dark Surface (A12) Mucky Mineral (S1)	% 93 tion, RM=Re	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer Depleted Mat Redox Dark S	dox Features % Type' 2 5 5 covered or Coated Sat Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3) rix (F3) Surface (F6) k Surface (F7)	Loc²	<sup>2</sup> Location:  **Ideators for Pricators for Pricators Prairie Iron-Mangane Other (Explain dicators of hydrogenetics)	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) n in Remarks)
(Inches) 0-7  "Type: C=0 Hydric So Histic Black Hydro; Stratifi 2 cm N Deplet Thick I Sandy 5 cm N	Color (moist)  2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ded Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3)	% 93 tion, RM=Re	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer Depleted Mat Redox Dark S Depleted Dari	dox Features % Type' 2 5 5 covered or Coated Sat Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3) rix (F3) Surface (F6) k Surface (F7)	Loc²	<sup>2</sup> Location:  **Ideators for Pricators for Pricators Prairie Iron-Mangane Other (Explain dicators of hydrogenetics)  **Addicators of hydrogenetics of hydrogenetics in the control of the	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in In Remarks)
(Inches) 0-7  "Type: C=0 Hydric So Histic Black Hydro; Stratifi 2 cm N Deplet Thick I Sandy 5 cm N	Color (moist)  2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) e Layer (if observed):	% 93 tion, RM=Re	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer Depleted Mat Redox Dark S Depleted Dari	dox Features % Type' 2 5 5 covered or Coated Sat Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3) rix (F3) Surface (F6) k Surface (F7)	Loc²	<sup>2</sup> Location: <sup>2</sup> Location:  dicators for Pri  Coast Prairie  Iron-Mangane Other (Explai	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Solls <sup>3</sup> : Redox (A16) ese Masses (F12) in in Remarks)  prophytic vegetation and logy must be present.
(Inches)  0-7	Color (moist)  2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) e Layer (if observed):	% 93 tion, RM=Re	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer Depleted Mat Redox Dark S Depleted Dari	dox Features % Type' 2 5 5 covered or Coated Sat Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3) rix (F3) Surface (F6) k Surface (F7)	Loc²	<sup>2</sup> Location:  **Location: ticators for Pri Coast Prairie Iron-Mangane Other (Explai)  dicators of hyd wetland hydrol  dric Soil Prese il pit dug?	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in in Remarks)  prophytic vegetation and logy must be present.  part? Yes Yes
(Inches) 0-7  "Type: C=0 Hydric So Histic Black Hydrot Stratifi 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: g Depth:	Matrix Color (moist) 2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) led Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) e Layer (if observed): gravel	% 93 tion, RM=Re	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer Depleted Mat Redox Dark S Depleted Dari	dox Features % Type' 2 5 5 covered or Coated Sat Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3) rix (F3) Surface (F6) k Surface (F7)	Loc²	<sup>2</sup> Location: <sup>2</sup> Location:  dicators for Pri  Coast Prairie  Iron-Mangane Other (Explai	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in in Remarks)  prophytic vegetation and logy must be present.  part? Yes Yes
(Inches) 0-7  "Type: C=0 Hydric So Histic Black Hydrot Stratifi 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: g Depth:	Color (moist)  2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) led Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) E Layer (if observed): gravel (inches): 7"	% 93 tion, RM=Re	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer Depleted Mat Redox Dark S Depleted Dari	dox Features % Type' 2 5 5 covered or Coated Sat Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3) rix (F3) Surface (F6) k Surface (F7)	Loc²	<sup>2</sup> Location:  **Location: ticators for Pri Coast Prairie Iron-Mangane Other (Explai)  dicators of hyd wetland hydrol  dric Soil Prese il pit dug?	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in in Remarks)  prophytic vegetation and logy must be present.  part? Yes Yes
(Inches) 0-7  "Type: C=0 Hydric So Histic Black Hydrot Stratifi 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: g Depth:	Color (moist)  2.5Y3 / 1  Concentration, D=Depler il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) led Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) E Layer (if observed): gravel (inches): 7"	% 93 tion, RM=Re	Color (moist) 2.5Y6 / 4 2.5Y6 / 6  educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer Depleted Mat Redox Dark S Depleted Dari	dox Features % Type' 2 5 5 covered or Coated Sat Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3) rix (F3) Surface (F6) k Surface (F7)	Loc²	<sup>2</sup> Location:  **Location: ticators for Pri Coast Prairie Iron-Mangane Other (Explai)  dicators of hyd wetland hydrol  dric Soil Prese il pit dug?	Remarks saturated  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in in Remarks)  prophytic vegetation and logy must be present.  part? Yes Yes

		PAGE 2
		Sampling Date: 10/18/11 Sampling Point: SP50
HYDROLOGY		
Wetland Hydrology Indicators: Primary Indicators (minimum of one	s required: check all that apply)	Secondary indicators (minimum of two required)
Surface Water (A1)	☐ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
High Water Table (A2)	☐ Aquatic Fauna (B13)	☑ Drainage Patterns (B10)
☑ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
Water Marks (B1)	☑ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3	i) Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	Presence of Reduced Iron (C4)	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Solls (C6)	
Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
Inundation Visible on Aerial Image	ery (B7) Gauge or Well Data (D9)	
Sparsely Vegetated Concave Sur	face (B8)	
Field Observations: Surface Water Present? Yes Water Table Present? No	Depth (Inches): 1" Depth (Inches):	
Saturation Present? Yes (Includes capillary fringe)	Depth (Inches): 0-7" Wetland Hydrology	Present? Yes
☐ Recorded Data (Describe in R☐ ☐ Stream, Lake, or Tide Gau ☐ Aerial Photographs ☐ Other ☐ No Recorded Data  Remarks: Three primary and three se	•	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #50 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW	Herb	89	89%	Yes
Typha latifolia	OBL	Herb	5	5%	
Scirpus hattorianus	NI	Herb	11	1%	
Eleocharis oblusa	OBL	Herb	5	5%	
		Herb			
		TDM=	100		
		Shrub/Sap		,	
		Shrub/Sap			
		Shrub/Sap		-	
		Shrub/Sap		•	
		TDM=	0		
		Tree			
		TDM≖	0		
		Vine			·······
		TDM=	0		

-							
Project/Si	ite: EVP010 Phase II			City/County: Ch	ampaign Co.	Samplin	g Date: 10/18/11
Applicant	VOwner: Everpower			State: OH	:	Samplin	g Point: SP51
	tor(s): BMF			Section, Townsi	ip. Range: :	, -	<b>5</b>
				·			
g	(hillslope, terrace, etc.):		l 50.0	l l	•	onvex, none):	
Slope (%):			Long: 83.6	341995	Datum: W		
'	Jnit Name: Brookston sl				- 1	classification:	None
1	ic/hydrologic conditions						
-	ation 🔲, Soil 🔲, or Hy						
Are Veget	ation □, Soli □, or Hy	drology 🗌	naturally problematic	? (If needed, expla	in any answe	rs in Remarks).	No
SUMMAR	RY FINDINGS Attac	h site ma	ap showing sampl	ing point locatio	ns, transec	ts, importan	t features, etc.
Hydrophyt	tic Vegetation Present?	Yes		is the Sampi	ed Area		
Hydric Sol	il Present?	Yes		within a Wet	land? Y	es	
Wetland H	lydrology Present?	Yes					
Remarks:	Wetland Z, non-isolated	, 13 flags		<u> </u>	; <del></del>	·····	
				, <u>,, , , , , , , , , , , , , , , , , , </u>	· · <u> · · · </u>		
VEGETA	TION	(U	SFWS Region No.	1 - Northeast S	ub-Region)		
	See atta	ched shee	t for listing of plant	species and Identi	fication of d	ominant veget	ation
Percent of	Dominant Species that	are OBL, F	ACW or FAC: (exclud	ing FAC-) = 1/1 = 1	00 %		
FAC Neuti	ral Test: 1 > 0 = Pass						
Prevalence	e index =						
	e index = Hydrophytic plant comm	unity ie nre	cent	-			·
Remarks*							
	Tryorophydo piant contri	unity to pro					
SOIL			LRR: M	nt the indicator or	confirm the	absence of inc	licators.)
SOIL	scription: (Describe to	the depth	LRR: M needed to documen	lox Features			-
SOIL. Profile De Depth (Inches)	scription: (Describe to Matrix Color (moist)	the depth	LRR: M needed to documer Rec Color (moist)	lox Features % Type		Texture	Remarks
SOIL. Profile De Depth (Inches) 0-8	scription: (Describe to Matrix Color (moist) 10YR 4/1	the depth	LRR: M needed to documer Rec Color (moist) 7.5YR 4/4	dox Features			Remarks damp, concentrations
SOIL. Profile De Depth (Inches)	scription: (Describe to Matrix Color (moist)	the depth	LRR: M needed to documer Rec Color (moist) 7.5YR 4 / 4 5 / 1	%   Type		Texture	Remarks
SOIL. Profile De Depth (Inches) 0-8	scription: (Describe to Matrix Color (moist) 10YR 4/1	the depth	LRR: M needed to documer	dox Features		Texture	Remarks damp, concentrations
SOIL. Profile De Depth (Inches) 0-8	scription: (Describe to Matrix Color (moist) 10YR 4/1	the depth	LRR: M needed to documer Rec Color (moist) 7.5YR 4 / 4 5 / 1			Texture	Remarks damp, concentrations
SOIL. Profile De Depth (Inches) 0-8	scription: (Describe to Matrix Color (moist) 10YR 4/1	the depth	LRR: M needed to documer			Texture	Remarks damp, concentrations
SOIL. Profile De Depth (Inches) 0-8	scription: (Describe to Matrix Color (moist) 10YR 4/1	the depth	LRR: M needed to documer			Texture	Remarks damp, concentrations
SOIL Profile De Depth (Inches) 0-8 8-10	scription: (Describe to Matrix Color (moist) 10YR 4 / 1 2.5Y2.5 / 1	% 85 50	LRR: M needed to documer Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2	No.	Loc²	Texture silt	Remarks damp, concentrations 5GY 5/1: redox color
SOIL Profile De Depth (Inches) 0-8 8-10	scription: (Describe to Matrix Color (moist) 10YR 4/1 2.5Y2.5/1	% 85 50	LRR: M needed to documer Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2	No.	Loc²	Texture silt	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color
SOIL Profile De Depth (Inches) 0-8 8-10  'Type: C=C Hydric Soi	scription: (Describe to Matrix Color (moist) 10YR 4/1 2.5Y2.5/1  Concentration, D=Deplet il Indicators:	% 85 50	LRR: M Receded to documer Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C	dox Features  % Type  15 30 10 10 0 overed or Coated S	Loc²	Texture silt  *Location dicators for P	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  PL=Pore Lining, M=Matrix roblematic Hydric Soils3:
SOIL Profile De Depth (Inches) 0-8 8-10  'Type: C=0 Hydric Soi	scription: (Describe to Matrix Color (moist) 10YR 4/1 2.5Y2.5/1  Concentration, D=Deplet il Indicators: ol (A1)	% 85 50	LRR: M Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2 educed Matrix, CS=C	lox Features  % Type  15 30 10 10 10 overed or Coated S  Matrix (S4)	Loc²	Texture silt  *Location dicators for P  Coast Prairi	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16)
SOIL. Profile De Depth (Inches) 0-8 8-10  'Type: C=0 Hydric Soi	scription: (Describe to Matrix Color (moist) 10YR 4/1 2.5Y2.5/1  Concentration, D=Deplet it Indicators: of (A1) Epipedon (A2)	% 85 50	LRR: M Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C	lox Features  % Type  15 30 10 10 10  vered or Coated S  Matrix (S4) (S5)	Loc²	Texture silt  *Location dicators for P  Coast Prairi Iron-Mangar	Remarks damp, concentrations 5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12)
SOIL Profile De Depth (Inches) 0-8 8-10  'Type: C=0 Hydric Soi Histos Histos	scription: (Describe to Matrix Color (moist) 10YR 4 / 1 2.5Y2.5 /1  Concentration, D=Deplet it Indicators: of (A1) Epipedon (A2) Histic (A3)	% 85 50	LRR: M  Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri	lox Features  % Type  15 30 10 10 10  vered or Coated S  Matrix (S4) (S5) (S5)	Loc²	Texture silt  *Location dicators for P  Coast Prairi Iron-Mangar	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16)
SOIL Profile De Depth (Inches) 0-8 8-10  'Type: C=0 Hydric Soi Histos Histos Hydrog	scription: (Describe to  Matrix  Color (moist)  10YR 4 / 1  2.5Y2.5 /1  Concentration, D=Deplet it Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4)	% 85 50	LRR: M Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky	lox Features  % Type  15 30 10 10 10  wered or Coated S  Matrix (S4) (S5) (S5) (X56) Mineral (F1)	Loc²	Texture silt  *Location dicators for P  Coast Prairi Iron-Mangar	Remarks damp, concentrations 5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12)
SOIL. Profile De Depth (Inches) 0-8 8-10  'Type: C=C Hydric Soi Histor Black i Hydrog Stratific	scription: (Describe to  Matrix Color (moist)  10YR 4 / 1  2.5Y2.5 /1  Concentration, D=Deplet il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5)	% 85 50	LRR: M Ineeded to documer  Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Loamy Gleyed	lox Features  % Type  15 30 10 10 10  wered or Coated S  Matrix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3)	Loc²	Texture silt  *Location dicators for P  Coast Prairi Iron-Mangar	Remarks damp, concentrations 5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12)
SOIL. Profile De Depth (Inches) 0-8 8-10  'Type: C=C Hydric Soi Histor Black I Hydrog Stratific 2 cm M	scription: (Describe to  Matrix  Color (moist)  10YR 4 / 1  2.5Y2.5 /1  Concentration, D=Deplet it Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4)	the depth % 85 50 ion, RM=R	LRR: M Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky	lox Features  % Type  15 30 10 10 10 10  Watrix (S4) (S5) Ix (S6) Mineral (F1) Matrix (F3) Ix (F3)	Loc²	Texture silt  *Location dicators for P  Coast Prairi Iron-Mangar	Remarks damp, concentrations 5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12)
SOIL. Profile De Depth (Inches) 0-8 8-10  'Type: C=C Hydric Soi Histos Histos Hydrog Stratific 2 cm M Deplet Thick I	scription: (Describe to Matrix Color (moist) 10YR 4 / 1 2.5Y2.5 /1  Concentration, D=Deplet il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10)	the depth % 85 50 ion, RM=R	LRR: M  Ineeded to documer  Color (moist)  7.5YR 4/4  5/1  7.5YR 5/6  10YR 7/2  educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	lox Features  % Type  15 30 10 10 10 10  Waterix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3) Mix (F3) Mix (F3) Mix (F6) Mix (F6)	Loc²	*Location dicators for P Coast Prairi Iron-Mangar Other (Expla	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils 2: e Redox (A16) nese Masses (F12) ain in Remarks)  drophytic vegetation and
SOIL.  Profile De Depth (Inches) 0-8 8-10  Type: C=0 Hydric Soi Histos Histos Histos Stratifi 2 cm M Deplet Thick I Sandy	scription: (Describe to  Matrix Color (moist)  10YR 4 / 1  2.5Y2.5 /1  Concentration, D=Deplet il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	the depth % 85 50 ion, RM=R	LRR: M  Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S	lox Features  % Type  15 30 10 10 10 10  Waterix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F6) Mix (F6) Mix (F6) Mix (F7) M	Loc²	*Location dicators for P Coast Prairi Iron-Mangar Other (Expla	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Solis*: e Redox (A16) nese Masses (F12) ain in Remarks)
SOIL Profile De Depth (Inches) 0-8 8-10  Type: C=0 Hydric Soi Histos Histos Histos Stratifi 2 cm M Deplet Thick I Sandy 5 cm M	Scription: (Describe to Matrix Color (moist) 10YR 4 / 1 2.5Y2.5 /1 2.5Y2.5 /1  Concentration, D=Deplet il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ded Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3)	the depth % 85 50 ion, RM=R	LRR: M  Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	lox Features  % Type  15 30 10 10 10 10  Waterix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F6) Mix (F6) Mix (F6) Mix (F7) M	Loc²	*Location dicators for P Coast Prairi Iron-Mangar Other (Expla	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils 2: e Redox (A16) nese Masses (F12) ain in Remarks)  drophytic vegetation and
SOIL Profile De Depth (Inches) 0-8 8-10  Type: C=0 Hydric Soi Histos Histos Hydroc Stratifi 2 cm N Deplet Thick I Sandy 5 cm N Restrictive	Scription: (Describe to Matrix Color (moist) 10YR 4 / 1 2.5Y2.5 /1 2.5Y2.5 /1  Concentration, D=Deplet il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Auck (A10) ded Below Dark Surface (A12) Mucky Mineral (S1) Aucky Peat or Peat (S3) e Layer (If observed):	the depth % 85 50 ion, RM=R	LRR: M  Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	lox Features  % Type  15 30 10 10 10 10  Waterix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F6) Mix (F6) Mix (F6) Mix (F7) M	Loc²	<sup>2</sup> Location  dicators for P  Coast Praini Iron-Mangar Other (Explain	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12) sin in Remarks)  drophytic vegetation and blogy must be present.
SOIL Profile De Depth (Inches) 0-8 8-10  'Type: C=0 Hydric Soi Histor Histor Hydroc Stratific 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: 9	Scription: (Describe to Matrix Color (moist) 10YR 4 / 1 2.5Y2.5 /1 2.5Y2.5 /1  Concentration, D=Deplet il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ded Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3)	the depth % 85 50 ion, RM=R	LRR: M  Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	lox Features  % Type  15 30 10 10 10 10  Waterix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F6) Mix (F6) Mix (F6) Mix (F7) M	Loc²	*Location dicators for P Coast Prairi Iron-Mangar Other (Expla	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12) sin in Remarks)  drophytic vegetation and blogy must be present.
SOIL Profile De Depth (Inches) 0-8 8-10  Type: C=0 Hydric Soi Histos Histos Histos Stratifi 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: 9 Depth: (	Scription: (Describe to Matrix Color (moist) 10YR 4/1 2.5Y2.5/1  Concentration, D=Deplet it Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) //uck (A10) ed Below Dark Surface (A12) Mucky Mineral (S1) //ucky Peat or Peat (S3) e Layer (If observed): gravel/sand	the depth % 85 50 ion, RM=R	LRR: M  Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	lox Features  % Type  15 30 10 10 10 10  Waterix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F6) Mix (F6) Mix (F6) Mix (F7) M	Loc²  Loc²  and Grains.	**ZLocation  **alcocation  **alcocation  **alcocation  **alcocate Praini  **Iron-Mangar  **Iron-Mangar  **Other (Explain  **alcocation  **alco	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) ain in Remarks)  drophytic vegetation and blogy must be present.
SOIL Profile De Depth (Inches) 0-8 8-10  Type: C=0 Hydric Soi Histos Histos Histos Stratifi 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: 9 Depth: (	Scription: (Describe to Matrix Color (moist) 10YR 4 / 1 2.5Y2.5 /1 2.5Y2.5 /1  Concentration, D=Depleted in Indicators: oil (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Auck (A10) ded Below Dark Surface (A12) Mucky Mineral (S1) Aucky Mineral (S1) Aucky Peat or Peat (S3) E Layer (If observed): gravel/sand (inches): 10"	the depth % 85 50 ion, RM=R	LRR: M  Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	lox Features  % Type  15 30 10 10 10 10  Waterix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F6) Mix (F6) Mix (F6) Mix (F7) M	Loc²  Loc²  and Grains.	**ZLocation  **alcocation  **alcocation  **alcocation  **alcocate Praini  **Iron-Mangar  **Iron-Mangar  **Other (Explain  **alcocation  **alco	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) sin in Remarks)  drophytic vegetation and blogy must be present.
SOIL Profile De Depth (Inches) 0-8 8-10  Type: C=0 Hydric Soi Histos Histos Histos Stratifi 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: 9 Depth: (	Scription: (Describe to Matrix Color (moist) 10YR 4 / 1 2.5Y2.5 /1 2.5Y2.5 /1  Concentration, D=Depleted in Indicators: oil (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Auck (A10) ded Below Dark Surface (A12) Mucky Mineral (S1) Aucky Mineral (S1) Aucky Peat or Peat (S3) E Layer (If observed): gravel/sand (inches): 10"	the depth % 85 50 ion, RM=R	LRR: M  Rec Color (moist) 7.5YR 4/4 5/1 7.5YR 5/6 10YR 7/2  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	lox Features  % Type  15 30 10 10 10 10  Waterix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F3) Mix (F6) Mix (F6) Mix (F6) Mix (F7) M	Loc²  Loc²  and Grains.	**ZLocation  **alcocation  **alcocation  **alcocation  **alcocate Praini  **Iron-Mangar  **Iron-Mangar  **Other (Explain  **alcocation  **alco	Remarks damp, concentrations 5GY 5/1: redox color  5GY 5/1: redox color  1: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) sin in Remarks)  drophytic vegetation and blogy must be present.

		PAGE 2
		Sampling Date: 10/18/11 Sampling Point: SP51
HYDROLOGY		
Wetland Hydrology Indicators: Primary Indicators (minimum of one is re	equired: check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	☐ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	☑ Drainage Patterns (B10)
☐ Saturation (A3)	True Aquatic Plants (B14)	Dry-Season Water Table (C2)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)
☐ Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	Presence of Reduced Iron (C4)	Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Solls (C6)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery	(B7) Gauge or Well Data (D9)	
☐ Sparsely Vegetated Concave Surface	e (B8)	
Field Observations:		
Surface Water Present? No D	epth (Inches):	
i	epth (Inches):	
Saturation Present? Yes D. (Includes capillary fringe)	epth (Inches): 12" Wetland Hydrology	Present? Yes
☐ Recorded Data (Describe in Ren	narks):	
<ul><li>☐ Stream, Lake, or Tide Gauge</li><li>☐ Aerial Photographs</li><li>☐ Other</li></ul>		
⊠ No Recorded Data		
Remarks: Thress secondary hydrologic	ndicators are present	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #51 Attachment to Routine Wetland Determination Data Form Huli & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW	Herb	95_	95%	Yes
Xanthium strumarium	FAC	Herb	2	2%	
Echinochioa muricata	FACW+	Herb	3	3%	
		Herb			
	·	Herb			
		Herb			
		Herb			
		Herb		, <u>.</u>	
		Herb			
		Herb			
		TDM=	100		
		Shrub/Sap		<u></u>	
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			
	<u> </u>	Shrub/Sap			
		TDM=	0		
		Tree			
		Tree			
		. Tree			
-		Tree			
		Tree			
		Tree			
· · · · · · · · · · · · · · · · · · ·		Tree		<u></u>	
		Tree			-
		Tree			
		Tree	<u></u>		
		TDM=	0		
	· · · · · · · · · · · · · · · · · · ·	Vine			
		Vine			
,		Vine			
		Vine			
		TDM=	0		-

				T		*		
1 -	te: EVP010 Phase II			-	inty: Chan	npaign Co	_	ing Date: 10/18/11
1	Owner: Everpower			State: O		_	, -	ing Point: SP52
Investigat	or(s): BMF		00::- "1	Section,	Township	, Range:	<u>;</u>	
1	(hillslope, terrace, etc.):			,	cal rellef (		convex, none)	:
Slope (%):			Long: 83.6	39023			VGS 1984	
	init Name: Brookston sil					Į.	/I classification	n: PSS1C
	c/hydrologic conditions o							
1.	ation 🔲, Soil 🔲, or Hyd							Yes
	etion 🔲, Soil 🔲, or Hyd			· · · · · · · · · · · · · · · · · · ·	:	,		
SUMMAR	RY FINDINGS - Attac	h site ma	p showing sampl	ing point	location	s, transe	cts, import	ant features, etc.
Hydrophyti	ic Vegetation Present?	Yes		is th	e Sample	d Area		
Hydric Soi	Present?	Yes		with	in a Wetla	nd? `	Yes	
Wetland H	ydrology Present?	Yes						
Remarks:	Wetland AA, isolated, 8	flags						
			·				***	
VEGETA	TION	(υ	SFWS Region No.	. 1 - North	east Sul	-Region	)	
	See atta	ched shee	t for listing of plant	species ar	nd identific	cation of	dominant veç	etation
Percent of	Dominant Species that	are OBL, F	ACW or FAC; (exclud	ling FAC-) :	= 3/3 = 100	) %		
FAC Neutr	al Test: 2 > 0 = Pass							
Prevalence	e Index =							
Remarks:	Hydrophytic plant comm	unity is pre	sent					
¥======	Typicotty ac plant contin	and the pro-						
0011			1 DD. 14					
SOIL Profile De	scription: (Describe to	the depth	LRR: M	nt the indic	ator or co	onfirm the	absence of	indicators.)
	scription: (Describe to Matrix		needed to docume	nt the indic			absence of	
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to document Red Color (moist)	dox Feature  %		Loc2	Texture	Remarks
Profile Des Depth (Inches) 0-3	Matrix Color (moist) 2.5Y5 / 2	% 85	needed to documer Rec Color (moist) 10YR 5 / 6	dox Feature % 15	2e		Texture silt loam	Remarks damp
Profile Des Depth (Inches) 0-3 3-10	Matrix Color (moist) 2.5Y5 / 2 4 / 1	% 85 60	Red   Red   Color (moist)   10YR 5 / 6   7.5YR 4 / 6	15 40	2e		Texture silt loam silt loam	Remarks
Profile Des Depth (Inches) 0-3	Matrix Color (moist) 2.5Y5 / 2	% 85	needed to documer Rec Color (moist) 10YR 5 / 6	dox Feature % 15	2e		Texture silt loam	Remarks damp 5Y 4/1:matrix color;
Profile Des Depth (Inches) 0-3 3-10	Matrix Color (moist) 2.5Y5 / 2 4 / 1	% 85 60	Red   Red   Color (moist)   10YR 5 / 6   7.5YR 4 / 6	15 40	2e		Texture silt loam silt loam	Remarks damp 5Y 4/1:matrix color;
Profile Des Depth (Inches) 0-3 3-10	Matrix Color (moist) 2.5Y5 / 2 4 / 1	% 85 60	Red   Red   Color (moist)   10YR 5 / 6   7.5YR 4 / 6	15 40	2e		Texture silt loam silt loam	Remarks damp 5Y 4/1:matrix color;
Profile Des Depth (Inches) 0-3 3-10	Matrix Color (moist) 2.5Y5 / 2 4 / 1	% 85 60	Red   Red   Color (moist)   10YR 5 / 6   7.5YR 4 / 6	15 40	2e		Texture silt loam silt loam	Remarks damp 5Y 4/1:matrix color;
Profile Des Depth (inches) 0-3 3-10 10-12	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1	% 85 60 80	Record to document	dox Feature % 15 40 20	Type'	Loc²	Texture silt loam silt loam silty clay	Remarks damp 5Y 4/1:matrix color; damp
Profile Des Depth (Inches) 0-3 3-10 10-12	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1  oncentration, D≃Deplet	% 85 60 80	Record to document	dox Feature % 15 40 20	Type'	Loc²	Texture silt loam silt loam silty clay	Remarks damp 5Y 4/1:matrix color; damp damp
Profile Des Depth (inches) 0-3 3-10 10-12	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1  2.5Y4 / 1  oncentration, D≃Deplet Indicators:	% 85 60 80	reeded to document Record (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4	dox Feature % 15 40 20 Covered or 0	Type'  Coated Sa	Loc²	Texture silt loam silt loam silty clay  2Local Indicators for	Remarks damp 5Y 4/1:matrix color; damp damp lion: PL=Pore Lining, M=Matrix Problematic Hydric Soils3:
Profile De: Depth (inches) 0-3 3-10 10-12  'Type: C=C Hydric Soi	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1  2.5Y4 / 1  concentration, D≃Deplet Indicators:	% 85 60 80	Reded to document Red Color (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  educed Matrix, CS=C	dox Feature % 15 40 20  Covered or 0	Type'  Coated Sa	Loc²	Texture silt loam silt loam silty clay  2Local Indicators for	Remarks damp 5Y 4/1:matrix color; damp damp lon: PL=Pore Lining, M=Matrix r Problematic Hydric Soils³:
Profile De: Depth (inches) 0-3 3-10 10-12  'Type: C=C Hydric Soi Histose	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1  2.5Y4 / 1  concentration, D≃Deplet Indicators: bl (A1) Epipedon (A2)	% 85 60 80	reeded to document Record (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4	dox Feature % 15 40 20 Covered or 0 d Matrix (S4	Type'  Coated Sa	Loc²	Texture silt loam silt loam silty clay  alocal Indicators for Coast Pra	Remarks damp 5Y 4/1:matrix color; damp damp lion: PL=Pore Lining, M=Matrix Problematic Hydric Soils3:
Profile De: Depth (Inches) 0-3 3-10  10-12  'Type: C=C Hydric Soi Histose Black H	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1  2.5Y4 / 1  concentration, D≃Deplet Indicators:	% 85 60 80	reeded to document Rec Color (moist) 10YR 5 / 6 7.5YR 4 / 6 10YR 5 / 4  educed Matrix, CS=C Sandy Gleyed Sandy Redox	dox Feature % 15 40 20 Covered or 0 d Matrix (S4 (S5) ix (S6)	Type  Type  Coated Sa	Loc²	Texture silt loam silt loam silty clay  alocal Indicators for Coast Pra	Remarks  damp  5Y 4/1:matrix color; damp  don: PL=Pore Lining, M=Matrix Problematic Hydric Soils³: while Redox (A16) ganese Masses (F12)
Profile De: Depth (Inches) 0-3 3-10 10-12  'Type: C=C Hydric Soi Histose Histose Hydrog Stratific	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1  2.5Y4 / 1  Deplet Indicators: ol (A1) Epipedon (A2) distic (A3) den Sulfide (A4) ded Layers (A5)	% 85 60 80	reeded to document Rec Color (moist) 10YR 5 / 6 7.5YR 4 / 6 10YR 5 / 4  educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Loamy Gleyed	dox Feature % 15 40 20 Covered or 0 d Matrix (S4 (S5) rix (S6) r Mineral (F) d Matrix (F)	Type Coated Sa	Loc²	Texture silt loam silt loam silty clay  alocal Indicators for Coast Pra	Remarks  damp  5Y 4/1:matrix color; damp  don: PL=Pore Lining, M=Matrix Problematic Hydric Soils³: while Redox (A16) ganese Masses (F12)
Profile De: Depth (Inches) 0-3 3-10 10-12  'Type: C=C Hydric Soi Histose Histose Hydrog Stratific 2 cm N	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1 2.5Y4 / 1  Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10)	% 85 60 80 ion, RM=R	reeded to document Restriction Color (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  aduced Matrix, CS=C  Sandy Gleyect Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyect Depleted Matrix	dox Feature % 15 40 20 Covered or 0 d Matrix (S4 (S5) rix (S6) r Mineral (F6 d Matrix (F3)	Coated Sas	Loc²	Texture silt loam silt loam silty clay  alocal Indicators for Coast Pra	Remarks  damp  5Y 4/1:matrix color; damp  don: PL=Pore Lining, M=Matrix Problematic Hydric Soils³: while Redox (A16) ganese Masses (F12)
Profile Dec Depth (Inches) 0-3 3-10  10-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Hydrog Stratific 2 cm M Deplete	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1 2.5Y4 / 1  2.5Y4 / 1  Indicators: bl (A1) Epipedon (A2) Histic (A3) Jen Sulfide (A4) Jed Layers (A5) Juck (A10) Juck	% 85 60 80 ion, RM=R	reeded to document Restriction Color (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  aduced Matrix, CS=C  Sandy Gleyect Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyect Depleted Matrix Redox Dark S	dox Feature % 15 40 20 Covered or 0 d Matrix (S4 (S5) ix (S6) / Minerat (F6 d Matrix (F3) Surface (F6	Coated San	Loc²	Texture silt loam silt loam silty clay  *Local Indicators for Coast Pra Iron-Mane Other (Ex	Remarks damp 5Y 4/1:matrix color; damp  clon: PL=Pore Lining, M=Matrix r Problematic Hydric Soils³: hirle Redox (A16) ganese Masses (F12) plain in Remarks)
Profile Dec Depth (Inches) 0-3 3-10  10-12  'Type: C=C Hydric Soi Histose Histose Histose Hydrog Stratific 2 cm M Deplete Thick D	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1 2.5Y4 / 1  2.5Y4 / 1  Concentration, D≃Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hed Layers (A5) Huck (A10) Hed Below Dark Surface (A12)	% 85 60 80 ion, RM=R	reeded to document Restriction Color (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  aduced Matrix, CS=C  Sandy Gleyect Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyect Depleted Matrix	dox Feature % 15 40 20 Covered or C d Matrix (S4 (S5) rix (S6) / Minerat (F6 d Matrix (F3) Surface (F6 k Surface (F6	Coated Sast	Loc²	Texture silt loam silt loam silty clay  *Local Indicators for Coast Pra Iron-Man	Remarks  damp  5Y 4/1:matrix color; damp  don: PL=Pore Lining, M=Matrix Problematic Hydric Soils³: while Redox (A16) ganese Masses (F12)
Profile Dec Depth (Inches) 0-3 3-10  10-12  'Type: C=C Hydric Soi Histosc Histosc Hydrog Stratific 2 cm M Deplete Thick I Sandy	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1 2.5Y4 / 1  2.5Y4 / 1  Indicators: bl (A1) Epipedon (A2) Histic (A3) Jen Sulfide (A4) Jed Layers (A5) Juck (A10) Juck	% 85 60 80 ion, RM=R	reeded to document Retrospection (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  10YR 5 / 4  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Matrix Redox Dark Suppleted Dark	dox Feature % 15 40 20 Covered or C d Matrix (S4 (S5) rix (S6) / Minerat (F6 d Matrix (F3) Surface (F6 k Surface (F6	Coated Sast	Loc²	Texture silt loam silt loam silty clay  *Local Indicators for Coast Pra Iron-Man	Remarks damp 5Y 4/1:matrix color; damp  clon: PL=Pore Lining, M=Matrix r Problematic Hydric Soils³: hirle Redox (A16) ganese Masses (F12) plain in Remarks)  hydrophytic vegetation and
Profile Dec Depth (Inches) 0-3 3-10 10-12  'Type: C=C Hydric Soi Histose Histose Histose Stratific 2 cm M Deplete Thick I Sandy Sandy Section	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1 2.5Y4 / 1  2.5Y4 / 1  Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3) Jen Sulfide (A4) Jed Layers (A5) Juck (A10) Juck (A10) Juck Surface (A12) Mucky Mineral (S1)	% 85 60 80 ion, RM=R	reeded to document Retrospection (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  10YR 5 / 4  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Matrix Redox Dark Suppleted Dark	dox Feature % 15 40 20 Covered or C d Matrix (S4 (S5) rix (S6) / Minerat (F6 d Matrix (F3) Surface (F6 k Surface (F6	Coated Sast	Loc²	Texture silt loam silt loam silty clay  2Local Indicators for Coast Pra Iron-Mane Other (Ex	Remarks damp 5Y 4/1:matrix color; damp  don: PL=Pore Lining, M=Matrix Problematic Hydric Soils³: linie Redox (A16) ganese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.
Profile Des Depth (Inches) 0-3 3-10 10-12  'Type: C=C Hydric Soi Histor Histor Stratific 2 cm M Deplete Thick I Sandy Sandy Stratific Sandy Sestrictive Type:	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1 2.5Y4 / 1 2.5Y4 / 1  Denomination, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hed Layers (A5) Huck (A10) Huck (A10) Huck Surface (A12) Mucky Mineral (S1) Hucky Peat or Peat (S3) Layer (If observed):	% 85 60 80 ion, RM=R	reeded to document Retrospection (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  10YR 5 / 4  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Matrix Redox Dark Suppleted Dark	dox Feature % 15 40 20 Covered or C d Matrix (S4 (S5) rix (S6) / Minerat (F6 d Matrix (F3) Surface (F6 k Surface (F6	Coated Sast	Loc²	Texture silt loam silt loam silty clay  2Local Indicators for Coast Pra Iron-Mane Other (Ex	Remarks damp 5Y 4/1:matrix color; damp  don: PL=Pore Lining, M=Matrix Problematic Hydric Soils³: price Redox (A16) ganese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.
Profile Dec Depth (Inches) 0-3 3-10 10-12  'Type: C=C Hydric Soi Histose Histose Histose Stratific 2 cm M Deplete Thick I Sandy Sandy Section W Restrictive Type: Depth: (	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1 2.5Y4 / 1 2.5Y4 / 1  Discription, D≃Deplet I Indicators: ol (A1) distic (A3) den Sulfide (A4) ded Layers (A5) fuck (A10) ded Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) fucky Peat or Peat (S3) Layer (If observed): inches):	% 85 60 80 ion, RM=R	reeded to document Retrospection (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  10YR 5 / 4  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Matrix Redox Dark Suppleted Dark	dox Feature % 15 40 20 Covered or C d Matrix (S4 (S5) rix (S6) / Minerat (F6 d Matrix (F3) Surface (F6 k Surface (F6	Coated Sast	Loc²	Texture silt loam silt loam silty clay  *Local Indicators fo Coast Pra Iron-Mane Other (Ex	Remarks damp 5Y 4/1:matrix color; damp  clon: PL=Pore Lining, M=Matrix r Problematic Hydric Soils³: nirie Redox (A16) ganese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.
Profile Dec Depth (Inches) 0-3 3-10 10-12  'Type: C=C Hydric Soi Histose Histose Histose Stratific 2 cm M Deplete Thick I Sandy Sandy Section W Restrictive Type: Depth: (	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1 2.5Y4 / 1 2.5Y4 / 1  Denomination, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hed Layers (A5) Huck (A10) Huck (A10) Huck Surface (A12) Mucky Mineral (S1) Hucky Peat or Peat (S3) Layer (If observed):	% 85 60 80 ion, RM=R	reeded to document Retrospection (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  10YR 5 / 4  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Matrix Redox Dark Suppleted Dark	dox Feature % 15 40 20 Covered or C d Matrix (S4 (S5) rix (S6) / Minerat (F6 d Matrix (F3) Surface (F6 k Surface (F6	Coated Sast	Loc²	Texture silt loam silt loam silty clay  2Local Indicators for Coast Pra Iron-Mane Other (Ex	Remarks damp 5Y 4/1:matrix color; damp  clon: PL=Pore Lining, M=Matrix r Problematic Hydric Soils³: nirie Redox (A16) ganese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.
Profile Dec Depth (Inches) 0-3 3-10 10-12  'Type: C=C Hydric Soi Histose Histose Histose Stratific 2 cm M Deplete Thick I Sandy Sandy Section W Restrictive Type: Depth: (	Matrix Color (moist) 2.5Y5 / 2 4 / 1 2.5Y4 / 1 2.5Y4 / 1 2.5Y4 / 1  Discription, D≃Deplet I Indicators: ol (A1) distic (A3) den Sulfide (A4) ded Layers (A5) fuck (A10) ded Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) fucky Peat or Peat (S3) Layer (If observed): inches):	% 85 60 80 ion, RM=R	reeded to document Retrospection (moist)  10YR 5 / 6  7.5YR 4 / 6  10YR 5 / 4  10YR 5 / 4  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Matrix Redox Dark Suppleted Dark	dox Feature % 15 40 20 Covered or C d Matrix (S4 (S5) rix (S6) / Minerat (F6 d Matrix (F3) Surface (F6 k Surface (F6	Coated Sast	Loc²	Texture silt loam silt loam silty clay  *Local Indicators fo Coast Pra Iron-Mane Other (Ex	Remarks damp 5Y 4/1:matrix color; damp  clon: PL=Pore Lining, M=Matrix r Problematic Hydric Soils³: nirie Redox (A16) ganese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.

HULL & ASSOCIATES, INC. DUBLIN, OHIO

		PAGE 2
		Sampling Date: 10/18/11 Sampling Point: SP52
HYDROLOGY		
Wetland Hydrology Indicators:		44 No.
Primary Indicators (minimum of one is required	; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	☑ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	☐ Presence of Reduced Iron (C4)	Geomorphic Position (D2)
☐ Algai Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	Gauge or Well Data (D9)	
☐ Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? No Depth (Ir	ches): .	
Water Table Present? No Depth (Ir	ches):	
Saturation Present? No Depth (Ir (includes capillary fringe)	ches): Wetland Hydrology Pr	resent? Yes
☐ Recorded Data (Describe in Remarks):		
☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other		ļ
☑ No Recorded Data		
Remarks: One primary and two secondary indic	ators present	
		•
		<u></u>

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #52 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW	Herb	100	100%	Yes
		Herb			
		Herb			
		Herb			
		Негр			
		Herb			
		TDM=	100		
Fraxinus pennsylvanica	FACW	Shrub/Sap	10	100%	Yes
***		Strub/Sap			
<u>-</u> -		Shrub/Sap			
		Shrub/Sap	-		
-		Shrub/Sap			
		Shrub/Sap			
		TDM=	10		
Gleditsia triacanthos	FAC-	Tree	5	100%	Yes
		Trea			
		Tree			
		TDM≔	5		
		Vine			
		TDM≔	0		

					·				
Project/Si	te: EVP010 Phase II			City/Cor	unty: Char	npaign C	Co, Sa	ampling D	vate: 10/18/11
Applicant	Owner: Everpower			State: O	H		Sa	ampling P	oint: SP53
Investigat	or(s): BMF			Section,	, Townshi	o, Range	ə: :		
Landform	(hillslope, terrace, etc.):			L	ocal relief (	concave	, convex, п	one): cond	ave
Slope (%):	2-6 Lat: 40.12	29958	Long: 83.6	37266		Datum:	WGS 1984	1	
Soil Map L	Init Name: Brookston si	ity clay loar	n			N	WI classific	ation: PU	BGh
Are climati	c/hydrologic conditions o	on the site t	ypical for this time of	year? Ye	es (Ifno, e	explain ir	n Remarks.)	)	
Are Vegeta	ation 🔲, Soil 🔲, or Hy	drology 🔲	significantly disturbe	ed? Are "N	Iormal Circ	umstand	es" presen	t? Yes	
Are Vegeta	ation [], Soil [], or Hy	drology 🗌	naturally problematic	? (If neede	ed, explain	any ans	wers in Rer	marks).No	
SUMMAR	RY FINDINGS - Attac	h site ma	p showing sampli	ing point	location	s, trans	ects, imp	ortant fe	eatures, etc.
Hydrophyt	ic Vegetation Present?	Yes	•	ls th	e Sample	d Area			
Hydric Soi	Present?	Yes		with	in a Wetla	nd?	Yes		
Wetland H	ydrology Present?	Yes							
Remarks: \	Wetland BB, isolated, 11	flans							
Tomanta.	Judia 55, 1901alou, 11	ınağa			,				
VEGETA	TION	(U	SFWS Region No.	1 - North	east Sub	-Regio	n)		
			t for listing of plant s					vegetatio	on
Percent of	Dominant Species that a	are OBL, F	ACW or FAC: (excludi	ing FAC-)	= 2/2 = 100	) %			<del></del>
FAC Neutr	al Test: 2 > 0 = Pass		•	,					
Prevalence									
Remarks:	Hydrophytic plant commi	unity is pres	sent	-					
SOIL			LRR: M						
Profile Des	scription: (Describe to	the depth	needed to documen			nfirm th	e absence	of indica	tors.)
	scription: (Describe to Matrix Color (moist)	the depth	needed to documen Red	t the indic		nfirm th	e absence		tors.)
Profile Des Depth (Inches) 0-6	. Matrix	% 100	needed to documen Red Color (moist)	lox Feature %	s				Remarks dry
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documen Red Color (moist)	ox Feature % 5	s		Texture	n	Remarks dry Gley N 3/ matrix color; distinct concentrations
Profile Des Depth (Inches) 0-6	Matrix Color (molst)	% 100	needed to documen Red Color (moist)	lox Feature %	s		Texture silt loar	ті 1у	Remarks dry Gley N 3/ matrix color;
Profile Des Depth (Inches) 0-6	Matrix Color (molst)	% 100	needed to documen Red Color (moist)	ox Feature % 5	s		Texture silt loar silty cla	ті 1у	Remarks dry Gley N 3/ matrix color; distinct concentrations
Profile Des Depth (Inches) 0-6	Matrix Color (molst)	% 100	needed to documen Red Color (moist)	ox Feature % 5	s		Texture silt loar silty cla	ті 1у	Remarks dry Gley N 3/ matrix color; distinct concentrations
Profile Des Depth (Inches) 0-6	Matrix Color (molst)	% 100	needed to documen Red Color (moist)	ox Feature % 5	s		Texture silt loar silty cla	ті 1у	Remarks dry Gley N 3/ matrix color; distinct concentrations
Profile Des Depth (Inches) 0-6 6-12	Color (moist) 2.5Y3 / 1	% 100 90	needed to documen Red Color (moist)  10YR 5/4  10YR 6/4	ox Feature % 5	Type'	Loc²	Texture silt loar silty cla	n ay	Remarks dry Gley N 3/ matrix color; distinct concentrations distinct concentrations
Profile Des Depth (Inches) 0-6 6-12	Matrix Color (moist) 2.5Y3 / 1  2.5Y3 / 1  concentration, D≂Depleti	% 100 90	needed to documen Red Color (moist)  10YR 5/4  10YR 6/4	ox Feature % 5	Type'	Loc²	Texture silt loar silty cla	n ay ay ocation: P	Remarks  dry  Gley N 3/ matrix color; distinct concentrations distinct concentrations
Profile Des Depth (Inches) 0-6 6-12	Matrix Color (moist) 2.5Y3 / 1  concentration, D≂Depleti	% 100 90	needed to documen Red Color (moist)  10YR 5 / 4  10YR 6 / 4	ox Feature % 5 5 overed or C	Type'  Coated Sar	Loc²	Texture silt loar silty cla silty cla	n ay ay ocation: P	Remarks  dry  Gley N 3/ matrix color; distinct concentrations distinct concentrations  PL=Pore Lining, M=Matrix Ilematic Hydric Soils3:
Profile Des Depth (Inches) 0-6 6-12 'Type: C=C Hydric Soil	Matrix Color (moist) 2.5Y3 / 1  concentration, D≂Depleti Indicators:	% 100 90	needed to documen Red Color (moist)  10YR 5/4  10YR 6/4  duced Matrix, CS=Co	ox Feature % 5 5 Matrix (S4	Type'  Coated Sar	Loc²	Texture silt loar silty cla silty cla silty cla  silty cla  silty cla  cla cla cla cla cla cla cla cla cla	n ay ocation: P s for Prob	Remarks  dry  Gley N 3/ matrix color; distinct concentrations distinct concentrations  PL=Pore Lining, M=Matrix Itematic Hydric Soils*: edox (A16)
Profile Des Depth (Inches) 0-6 6-12  Type: C=C Hydric Soil Histosc Histic E	Matrix Color (moist) 2.5Y3 / 1  concentration, D≂Depleti	% 100 90	needed to documen Red Color (moist)  10YR 5 / 4  10YR 6 / 4	ox Feature % 5 5  overed or C Matrix (S4 (S5)	Type'  Coated Sar	Loc²	Texture silt loar silty cla silty cla silty cla silty cla cla silty cla cla silty cla	n ay ocation: Ps for Prob	Remarks  dry  Gley N 3/ matrix color; distinct concentrations distinct concentrations  PL=Pore Lining, M=Matrix Ilematic Hydric Soils3:
Profile Des Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soil Histosc Histic E Black F Hydrog	Matrix Color (moist)  2.5Y3 / 1  concentration, D=Depleti Indicators: ol (A1) Epipedon (A2) fistic (A3) en Sulfide (A4)	% 100 90	needed to documen Red Color (moist)  10YR 5/4  10YR 6/4  10YR 6/4  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky	ox Feature % 5 5 wered or ( Matrix (S4 (S5) x (S6) Mineral (F	Type' Coated Sar	Loc²	Texture silt loar silty cla silty cla silty cla silty cla cla silty cla cla silty cla	n ay ocation: Ps for Prob	Remarks  dry  Gley N 3/ matrix color; distinct concentrations distinct concentrations  PL=Pore Lining, M=Matrix Itematic Hydric Soils*: edox (A16) Masses (F12)
Profile Des Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soil Histosc Histic E Black F Hydrog Stratifie	Matrix Color (moist)  2.5Y3 / 1  concentration, D=Depleti Indicators: In (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5)	% 100 90	needed to documen Red Color (moist)  10YR 5/4  10YR 6/4  10YR 6/4  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed	ox Feature % 5 5 wered or C Matrix (S4 (S5) x (S6) Mineral (F3 Matrix (F3	Type' Coated Sar	Loc²	Texture silt loar silty cla silty cla silty cla silty cla cla silty cla cla silty cla	n ay ocation: Ps for Prob	Remarks  dry  Gley N 3/ matrix color; distinct concentrations distinct concentrations  PL=Pore Lining, M=Matrix Itematic Hydric Soils*: edox (A16) Masses (F12)
Profile Des Depth (Inches) 0-6 6-12  Type: C=C Hydric Soil Histosc Histosc Histosc Hydrog Stratifie 2 cm M	Matrix Color (moist)  2.5Y3 / 1  concentration, D=Depleti Indicators: In (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) uck (A10)	% 100 90 on, RM=Re	needed to documen Red Color (moist)  10YR 5/4  10YR 6/4  10YR 6/4  Sandy Gleyed Sandy Redox (Stripped Matrix) Loamy Mucky Loamy Gleyed Depleted Matrix	ox Feature % 5 5 Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3)	Type' Coated Sar	Loc²	Texture silt loar silty cla silty cla silty cla silty cla cla silty cla cla silty cla	n ay ocation: Ps for Prob	Remarks  dry  Gley N 3/ matrix color; distinct concentrations distinct concentrations  PL=Pore Lining, M=Matrix Itematic Hydric Soils*: edox (A16) Masses (F12)
Profile Des Depth (Inches) 0-6 6-12  Type: C=C Hydric Soil Histosc Histic E Black F Hydrog Stratific 2 cm M Deplete	Matrix Color (moist)  2.5Y3 / 1  concentration, D=Depleti Indicators: In (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5)	% 100 90 on, RM=Re	needed to documen Red Color (moist)  10YR 5/4  10YR 6/4  10YR 6/4  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed	ox Feature % 5 5 Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) iurface (F6)	Coated Sar	Loc²	Texture silt loar silty cla cla silty cla	ocation: Ps for Prob	Remarks  dry  Gley N 3/ matrix color; distinct concentrations distinct concentrations  PL=Pore Lining, M=Matrix Itematic Hydric Soils*: edox (A16) Masses (F12)
Profile Des Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soil Histose Histose Hydrog Stratiffe 2 cm M Deplete Thick D Sandy	Matrix Color (moist)  2.5Y3 / 1  concentration, D≂Depleti I Indicators: ol (A1) Epipedon (A2) fistic (A3) en Sulfide (A4) ed Layers (A5) uck (A10) ed Below Dark Surface (A12) Mucky Mineral (S1)	% 100 90 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 4  10YR 6 / 4  10YR 6 / 4  Sandy Gleyed Sandy Redox ( Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 5 5 Sovered or C Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) iurface (F6) Surface (F6)	Coated Sar	Loc²	Texture silt loar silty cla cla silty cla	ocation: Probit Prairie Refanganese (Explain in	Remarks  dry  Gley N 3/ matrix color; distinct concentrations  distinct concentrations  PL=Pore Lining, M=Matrix Ilematic Hydric Soils3: edox (A16) e Masses (F12) in Remarks)
Profile Des Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soil Histoic E Black F Hydrog Stratific 2 cm M Deplete Thick D Sandy 5 cm M	Matrix Color (moist)  2.5Y3 / 1  concentration, D=Depleti Indicators: ol (A1) epipedon (A2) fistic (A3) en Sulfide (A4) ed Layers (A5) uck (A10) ed Below Dark Surface (A12) Mucky Mineral (S1) ucky Peat or Peat (S3)	% 100 90 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 4  10YR 6 / 4  10YR 6 / 4  Sandy Gleyed Sandy Redox (Stripped Matrix) Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 5 5 Sovered or C Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) iurface (F6) Surface (F6)	Coated Sar	Loc²	Texture silt loar silty cla cla silty cla	ocation: Probit Prairie Refanganese (Explain in	Remarks  dry  Gley N 3/ matrix color; distinct concentrations  distinct concentrations  distinct concentrations  PL=Pore Lining, M=Matrix Iematic Hydric Soils3: edox (A16) e Masses (F12) in Remarks)
Profile Des Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soil Histosc Histic E Black F Hydrog Stratific 2 cm M Deplete Thick D Sandy 5 cm M Restrictive	Matrix Color (moist)  2.5Y3 / 1  concentration, D≂Depleti I Indicators: ol (A1) Epipedon (A2) fistic (A3) en Sulfide (A4) ed Layers (A5) uck (A10) ed Below Dark Surface (A12) Mucky Mineral (S1)	% 100 90 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 4  10YR 6 / 4  10YR 6 / 4  Sandy Gleyed Sandy Redox (Stripped Matrix) Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 5 5 Sovered or C Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) iurface (F6) Surface (F6)	Coated Sar	Loc²	Texture silt loar silty cla	ocation: Pos for Probit Prairie Refanganese (Explain in	Remarks  dry  Gley N 3/ matrix color; distinct concentrations  distinct concentrations  distinct concentrations  PL=Pore Lining, M=Matrix Ilematic Hydric Soils>: edox (A16) e Masses (F12) in Remarks)  phytic vegetation and y must be present.
Profile Des Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soil Histoic E Black F Hydrog Stratific 2 cm M Deplete Thick D Sandy 5 cm M	Matrix Color (moist)  2.5Y3 / 1  concentration, D=Depleti Indicators: ol (A1) distic (A3) en Sulfide (A4) dd Layers (A5) uck (A10) dd Below Dark Surface (A12) Mucky Mineral (S1) ucky Peat or Peat (S3) Layer (if observed):	% 100 90 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 4  10YR 6 / 4  10YR 6 / 4  Sandy Gleyed Sandy Redox (Stripped Matrix) Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 5 5 Sovered or C Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) iurface (F6) Surface (F6)	Coated Sar	Loc²	Texture silt loar silty cla cla silty cla	ocation: Pos for Probit Prairie Reflanganese (Explain in the probit of hydrological distributions) in Presential presenti	Remarks  dry  Gley N 3/ matrix color; distinct concentrations  distinct concentrations  distinct concentrations  PL=Pore Lining, M=Matrix Ilematic Hydric Soils>: edox (A16) e Masses (F12) in Remarks)  phytic vegetation and y must be present.
Profile Des Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soil Histoce Histic E Hydrog Stratific 2 cm M Deplete Thick D Sandy 5 cm M Restrictive Type: Depth: (i	Matrix Color (moist)  2.5Y3 / 1  concentration, D=Depleti Indicators: ol (A1) distic (A3) en Sulfide (A4) dd Layers (A5) uck (A10) dd Below Dark Surface (A12) Mucky Mineral (S1) ucky Peat or Peat (S3) Layer (if observed):	% 100 90 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 4  10YR 6 / 4  10YR 6 / 4  Sandy Gleyed Sandy Redox (Stripped Matrix) Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 5 5 Sovered or C Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) iurface (F6) Surface (F6)	Coated Sar	Loc²	Texture silt loar silty cla silty cl	ocation: Pos for Probit Prairie Reflanganese (Explain in bydrolog il Presentig?	Remarks  dry  Gley N 3/ matrix color; distinct concentrations  distinct concentrations  distinct concentrations  PL=Pore Lining, M=Matrix Ilematic Hydric Soils <sup>3</sup> : edox (A16) e Masses (F12) in Remarks)  phytic vegetation and y must be present.
Profile Des Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soil Histoce Histic E Hydrog Stratific 2 cm M Deplete Thick D Sandy 5 cm M Restrictive Type: Depth: (i	Matrix Color (moist)  2.5Y3 / 1  concentration, D=Depleti Indicators: Indicato	% 100 90 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 4  10YR 6 / 4  10YR 6 / 4  Sandy Gleyed Sandy Redox (Stripped Matrix) Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 5 5 Sovered or C Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) iurface (F6) Surface (F6)	Coated Sar	Loc²	Texture silt loar silty cla silty cl	ocation: Pos for Probit Prairie Reflanganese (Explain in bydrolog il Presentig?	Remarks  dry  Gley N 3/ matrix color; distinct concentrations  distinct concentrations  distinct concentrations  PL=Pore Lining, M=Matrix Ilematic Hydric Soils>: edox (A16) e Masses (F12) in Remarks)  phytic vegetation and y must be present.
Profile Des Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soil Histoce Histic E Hydrog Stratific 2 cm M Deplete Thick D Sandy 5 cm M Restrictive Type: Depth: (i	Matrix Color (moist)  2.5Y3 / 1  concentration, D=Depleti Indicators: Indicato	% 100 90 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 4  10YR 6 / 4  10YR 6 / 4  Sandy Gleyed Sandy Redox (Stripped Matrix) Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 5 5 Sovered or C Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) iurface (F6) Surface (F6)	Coated Sar	Loc²	Texture silt loar silty cla silty cl	ocation: Pos for Probit Prairie Reflanganese (Explain in bydrolog il Presentig?	Remarks  dry  Gley N 3/ matrix color; distinct concentrations  distinct concentrations  distinct concentrations  PL=Pore Lining, M=Matrix Ilematic Hydric Soils>: edox (A16) e Masses (F12) in Remarks)  phytic vegetation and y must be present.

		PAGE 2 Sampling Date: 10/18/11
		Sampling Point; SP53
HYDROLOGY		
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is rea	guired: check all that apply)	Secondary Indicators (minimum of two required)
⊠ Surface Water (A1)	☑ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	☐ Presence of Reduced Iron (C4)	Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
Inundation Visible on Aerial Imagery (	B7) Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface	(B8)	
Field Observations: Surface Water Present? Yes De	pth (Inches): N/A	
Water Table Present? No De	pth (Inches):	
Saturation Present? Yes (includes capillary fringe)	pth (Inches): surface Wetland Hydrology F	Present? Yes
☐ Recorded Data (Describe in Rema ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other	arks):	
No Recorded Data  Remarks: Five primary and one secondar	v hydrologic indicator were greeent	
Tremains, 1140 philially and thic secolidal	A marcinglic illustration were bresent	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #53 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW_	Herb	95	95%	Yes
Xanthium strumarium	FAC	Herb	3	3%	
Toxicodendron radicans	FAC	Herb	2	2%	
·		Herb			
		Herb			
		Herb	,		
		Herb			_
		TDM=	100		
		Shrub/Sap			
·		Shrub/Sap			
		Shrub/Sap		-	
		Shrub/Sap			
-		TDM≍	o		
Salix nigra	FACW+	Tree	25	83%	Yes
Populus deltoides	FAC	Tree	5	17%	
		Tree			
		Tree _			
		Tree			
		TDM=	30		
		Vine		·	
		TDM=	0		

Project/Sit					01	-1	Complian	Data 40/40/44
	te: EVP010 Phase II			City/County	r: Champ	aign Co.		Date: 10/19/11
• •	Owner: Everpower			State: OH	abla	Danwai i	6undunec	Point: SP54
Investigate	or(s): BMF		:	Section, To				
	hillslope, terrace, etc.):			1	-		nvex, none):	
Slope (%):0			Long: 83.5	73160	L	atum: W		l===
	nit Name: Brookston sil				(16		classification: N	ione
	c/hydrologic conditions o							_
	ation [], Soil [], or Hyd							=
Are Vegeta	ation 🔲, Soil 🔲, or Hyd	drology 🔲 ı	naturally problematic	? (If needed, e	explain at	ny answei	s in Remarks).	NO
SUMMAR	Y FINDINGS - Attac	h site ma	p showing sampl	ing point loc	cations,	transec	ts, imp <u>ortant</u>	features, etc.
Hydrophyti	ic Vegetation Present?	Yes		Is the S	ampled .	Area		
Hydric Soil	Present?	Yes		within a	a Wetland	d? Ye	es	
Wetland H	ydrology Present?	Yes						
Remarks: \	Wetland CC, non-isolate	d, 6 flags	<del> </del>		. ,		:	
and Hamph 6 a			<del></del>					-
VEGETAT			SFWS Region No.					
			for listing of plant				ominant vegeta	ition
Percent of	Dominant Species that	are OBL, FA	ACW or FAC: (exclud	ing FAC-) = 1/	/1 = 100 °	%		
FAC Neutr	al Test: 1 > 0 = Pass			•				
Prevalence	e Index =							
,		present				•		
	Hydrophytic vegitation is	higaetir						
220					<del></del>			<u>,</u>
SOIL	indiana (Basasiba ta	dha dandh	LRR: M	nt the indicate	or or cor	firm the	absence of ind	icators )
Profile Des	scription: (Describe to	the depth	needed to docume	nt the indicate	ar or con	firm the	absence of ind	icators.)
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to docume	dox Features	ar or con	Loc <sup>2</sup>	Texture	Remarks
Profile Des Depth	Matrix		needed to docume Re	dox Features	,			·
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to docume Re	dox Features	,		Texture	Remarks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to docume Re	dox Features	,		Texture	Remarks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to docume Re	dox Features	,		Texture	Remarks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to docume Re	dox Features	,		Texture	Remarks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to docume Re	dox Features	,		Texture	Remarks
Profile Der Depth (Inches) 0-12	Matrix Color (moist) 2.5Y2.5 /1	% 100	needed to docume: Re- Color (moist)	dox Features	Type <sup>t</sup>	Loc²	Texture silt loam	Remarks damp
Profile Depth (Inches) 0-12	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet	% 100	needed to docume: Re- Color (moist)	dox Features	Type <sup>t</sup>	Loc²	Texture silt loam	Remarks damp  1: PL=Pore Lining, M=Max
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet	% 100	needed to docume: Re- Color (moist)	dox Features % Covered or Coe	Type <sup>t</sup>	Loc²	Texture silt loam <sup>2</sup> Location dicators for P  Coast Prairie	Remarks damp  1: PL=Pore Lining, M=Matroblematic Hydric Soils
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet	% 100	needed to documer Re- Color (moist)  Color (moist)	covered or Coa	Type <sup>t</sup>	Loc²	zLocation  Coast Preirie Iron-Mangar	Remarks damp  1: PL=Pore Lining, M=Marroblematic Hydric Soils* a Redox (A16) nese Masses (F12)
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet I Indicators: ol (A1)	% 100	educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Mate	covered or Coad Matrix (S4) (S5) ix (S6)	Type'	Loc²	zLocation  Coast Preirie Iron-Mangar	Remarks damp  1: PL=Pore Lining, M=Matroblematic Hydric Soils
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Histosc Histosc Histosc Histosc Histosc Histosc	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4)	% 100	educed Matrix, CS=C  Sandy Gleyer Sandy Redox Stripped Mate Loamy Mucky	covered or Coad Matrix (S4) (S5) (x) (S6) (y) Mineral (F1)	Type'	Loc²	zLocation  Coast Preirie Iron-Mangar	Remarks damp  1: PL=Pore Lining, M=Marroblematic Hydric Soils* a Redox (A16) nese Masses (F12)
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Histosc Stratific	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet Il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5)	% 100	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matri Loamy Mucky Loamy Gleyer Loamy Gleyer	covered or Coad Matrix (S4) (S5) ix (S6) / Mineral (F1) d Matrix (F3)	Type'	Loc²	zLocation  Coast Preirie Iron-Mangar	Remarks damp  1: PL=Pore Lining, M=Marroblematic Hydric Soils* a Redox (A16) nese Masses (F12)
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratific 2 cm M	Matrix Color (moist)  2.5Y2.5 /1  Concentration, D=Deplet il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10)	% 100	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loarny Mucky  Loarny Gleye  Depleted Matrix	covered or Coad Matrix (S4) (S5) ix (S6) y Mineral (F1) d Matrix (F3) crix (F3)	Type'	Loc²	zLocation  Coast Preirie Iron-Mangar	Remarks damp  1: PL=Pore Lining, M=Marroblematic Hydric Soils* a Redox (A16) nese Masses (F12)
Profile Der Depth (Inches) 0-12  'Type: C=C Hydric Soi Histor Black Hydrog Stratific 2 cm M Deplet	Concentration, D=Deplet I indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) //uck (A10) ed Below Dark Surface	% 100	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loarny Mucky  Loarny Gleye  Depleted Matrix  Redox Dark S	covered or Coad Matrix (S4) (S5) ix (S6) y Mineral (F1) d Matrix (F3) crix (F3)	Type'	Loc²	²Location dicators for P Coast Preirie Iron-Mangar Other (Expla	Remarks damp  1: PL=Pore Lining, M=Marroblematic Hydric Soils* a Redox (A16) nese Masses (F12)
Profile Dec Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Histosc Hydrog Stratific 2 cm M Deplet Thick I	Matrix Color (moist)  2.5Y2.5 /1  Concentration, D=Deplet il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10)	% 100	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loarny Mucky  Loarny Gleye  Depleted Matrix  Redox Dark S	covered or Coad Matrix (S4) (S5) (ix (S6) (Mineral (F1) d Matrix (F3) (rix (F3) (surface (F6) k Surface (F7)	Type'	Loc²	²Location dicators for P Coast Preirie Iron-Mangar Other (Expla	Remarks damp  a: PL=Pore Lining, M=Maroblematic Hydric Soils a: Redox (A16) a: Redox (K16) a: Remarks
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Soi Histor Hydroc Stratific Stratific 2 cm M Deplet Thick 0 Sandy 5 cm M	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet II Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) //uck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) //ucky Peat or Peat (S3)	% 100 tion, RM=Re	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loarny Mucky  Loarny Gleyer  Depleted Matrix  Redox Dark S  Depleted Dar	covered or Coad Matrix (S4) (S5) (ix (S6) (Mineral (F1) d Matrix (F3) (rix (F3) (surface (F6) k Surface (F7)	Type'	Loc²	²Location dicators for P Coast Preirie Iron-Mangar Other (Expla	Remarks damp  a: PL=Pore Lining, M=Maroblematic Hydric Soils a Redox (A16) aese Masses (F12) ain in Remarks)  drophytic vegetation and
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc Hydrog Sandy Sandy Sandy Sestrictive	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet il indicators: ol (A1) Epipedon (A2) Histlic (A3) gen Sulfide (A4) ed Layers (A5) Auck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1)	% 100 tion, RM=Re	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loarny Mucky  Loarny Gleyer  Depleted Matrix  Redox Dark S  Depleted Dar	covered or Coad Matrix (S4) (S5) (ix (S6) (Mineral (F1) d Matrix (F3) (rix (F3) (surface (F6) k Surface (F7)	Type'	Loc²	²Location  ²Location  ndicators for P  Coast Preirie  Iron-Mangar  Other (Exple	Remarks damp  a: PL=Pore Lining, M=Maroblematic Hydric Soils e Redox (A16) nese Masses (F12) nin in Remarks)  drophytic vegetation and plogy must be present.
Type: C=C Hydric Sol Histose Hydrog Stratific 2 cm M Deplete Sandy Type: C=C Hydric Sol Histose Hydrog Stratific 2 cm M Deplete Sandy Type:	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet II Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) //uck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) //ucky Peat or Peat (S3) e Layer (if observed):	% 100 tion, RM=Re	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loarny Mucky  Loarny Gleyer  Depleted Matrix  Redox Dark S  Depleted Dar	covered or Coad Matrix (S4) (S5) (ix (S6) (Mineral (F1) d Matrix (F3) (rix (F3) (surface (F6) k Surface (F7)	Type'	Loc²	**Location ndicators for P Coast Preirie Iron-Mangar Other (Explainment of the Coast Preirie Iron-Mangar Number (Explainment of the Coast	Remarks damp  a: PL=Pore Lining, M=Marroblematic Hydric Soils are Redox (A16) nese Masses (F12) sin in Remarks)  drophytic vegetation and plogy must be present.
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Soi Histor Hydrog Stratific 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet II Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) //uck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) //ucky Peat or Peat (S3) e Layer (if observed): (inches):	% 100 tion, RM=Re	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loarny Mucky  Loarny Gleyer  Depleted Matrix  Redox Dark S  Depleted Dar	covered or Coad Matrix (S4) (S5) (ix (S6) (Mineral (F1) d Matrix (F3) (rix (F3) (surface (F6) k Surface (F7)	Type'	Loc²	**Location  allocators for P  Coast Preirie  Iron-Mangar  Other (Explain the control of the cont	Remarks damp  a: PL=Pore Lining, M=Marroblematic Hydric Soils a Redox (A16) a: Redox (A16) a: Remarks) drophytic vegetation and alogy must be present.  sent? Yes Yes
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Soi Histor Hydros Stratific 2 cm M Deplet Thick 0 Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet II Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) //uck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) //ucky Peat or Peat (S3) e Layer (if observed):	% 100 tion, RM=Re	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loarny Mucky  Loarny Gleyer  Depleted Matrix  Redox Dark S  Depleted Dar	covered or Coad Matrix (S4) (S5) (ix (S6) (Mineral (F1) d Matrix (F3) (rix (F3) (surface (F6) k Surface (F7)	Type'	Loc²	**Location ndicators for P Coast Preirie Iron-Mangar Other (Explainment of the Coast Preirie Iron-Mangar Number (Explainment of the Coast	Remarks damp  a: PL=Pore Lining, M=Marroblematic Hydric Soils a Redox (A16) a: Redox (A16) a: Remarks) drophytic vegetation and alogy must be present.  sent? Yes Yes
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Soi Histor Hydros Stratific 2 cm M Deplet Thick 0 Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 2.5Y2.5 /1  Concentration, D=Deplet II Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) //uck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) //ucky Peat or Peat (S3) e Layer (if observed): (inches):	% 100 tion, RM=Re	educed Matrix, CS=C  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loarny Mucky  Loarny Gleyer  Depleted Matrix  Redox Dark S  Depleted Dar	covered or Coad Matrix (S4) (S5) (ix (S6) (Mineral (F1) d Matrix (F3) (rix (F3) (surface (F6) k Surface (F7)	Type'	Loc²	**Location  allocators for P  Coast Preirie  Iron-Mangar  Other (Explain the control of the cont	Remarks damp  a: PL=Pore Lining, M=Marroblematic Hydric Soils a Redox (A16) a: Redox (A16) a: Remarks) drophytic vegetation and alogy must be present.  sent? Yes Yes

		PAGE 2
		Sampling Date: 10/19/11 Sampling Point: SP54
HYDROLOGY		
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required	should all that apply	Secondary Indicators (minimum of two
Primary indicators (fillillimum of one is required	Crieck all triat apply)	required)
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)
Saturation (A3)	☐ True Aquatic Plants (B14)	Dry-Season Water Table (C2)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	☑ Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	☐ Presence of Reduced iron (C4)	Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	☑ FAC-Neutral Test (D5)
Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)	·
☐ Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations:	·	
Surface Water Present? No Depth (In	ches):	
Water Table Present? No Depth (in	ches):	
Saturation Present? No Depth (In	ches): Wetland Hydrology Pr	resent? Yes
Recorded Data (Describe in Remarks):		
☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other		
☐ No Recorded Data		
Remarks: Two secondary indicators of hydrolog	y are present	
! •		•

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #54 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW	Herb	99	99%	Yes
Apocynum cannabinum	FACU	Herb	1	1%	
		Herb			
		Herb			
	_	Herb			
		Herb			
		Herb			
	,	Herb			
		Herb			<u> </u>
		Herb			
		TDM=	100		
Jimus americana	FACW-	Shrub/Sap	1	33%	
Acer saccharinum	FACW	Shrub/Sap	2	67%	,
		Shrub/Sap			
		Shrub/Sap_			
		Shrub/Sap			
		Shrub/Sap			
		TDM=	3		
		Tree		_	
		Tree			
		Tree			
		Tree			-
		Tree			
		Tree			
		Tree			
		TDM=	0		
		Vine			
		Vine		<del></del>	
		Vine			
		Vine			
		TDM=	0		

	te: EVP010 Phase II			City/Cou	inty: Chan	npaign C	о.	Sampling	Date: 10/19/11
1	Owner: Everpower			State: 0	•				Point: SP55
1	or(s): BMF			]	Township	o, Range	;:		
<u> </u>	(hillslope, terrace, etc.):	depression		<u> </u>				k, none): cor	ncave
Slope (%):		•	Long: 83.56			Datum: V		-	
1	Init Name: Mlami Silt Lo	am				N	VI class	sification: PS	SS1C
Are climation	c/hydrologic conditions o	n the site t	ypical for this time of	year? Ye	s (Ifno, e				
Are Vegeta	ation 🔲, Soil 🔲, or Hyd	drology 🔲	significantly disturbe	ed? Are "N	ormal Circ	umstance	es" pres	ent? Yes	<b>\$</b>
Are Vegeta	ation 🔲, Soil 🔲, or Hyd	irology 🔲	naturally problematic	? (If needs	ed, explain	any ansv	vers in l	Remarks).N	lo .
SUMMAR	Y FINDINGS – Attac	h site ma	p showing sampli	ng point	location	s, trans	ects, i	mportant i	features, etc.
Hydrophyti	ic Vegetation Present?	Yes		ls th	e Sample:	d Area			
Hydric Soil	Present?	Yes		with	in a Wetla	nd?	Yes		
,	ydrology Present?	Yes							•
					·				
rtemarks: 1	Wetland DD, isolated								
VEGETAT	CON	0.14	SFWS Region No.	1 _ North	ozet Cut	-Pania	n l		
VEGETA		*	t for listing of plants					ant vegetat	tion
Percent of	Dominant Species that a			-					
	ai Test: 2 > 0 = Pass	•	•	,					
Prevalence									
		mite in man							
	-tydrophytic plant commu	mity is prei							
SOIL									
	arintian: (Decaribata	the donth	LRR: M	t the india	afor or so	ntirm th	o abeo	an of India	natara \
	scription: (Describe to Matrix	the depth	needed to documen	t the Indic		onfirm th	e absei	nce of indic	cators.)
Profile Des Depth (inches)	Matrix Color (moist)	%	needed to documen			nfirm th	e absei		Remarks
Profile Des Depth (Inches) 0-1	Matrix Color (moist) 2.5Y4 / 1	% 100	needed to documen Red Color (moist)	ox Feature %	es				Remarks organics
Profile Des Depth (Inches) 0-1 1-9	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2	% 100 70	needed to documen Red Color (moist) 10YR 5 / 8	ox Feature	es				Remarks organics dry/crumbly; distinct concentrations Fe & Mn
Profile Des Depth (Inches) 0-1	Matrix Color (moist) 2.5Y4 / 1	% 100	needed to documen Red Color (moist)	ox Feature %	es				Remarks organics dry/crumbly; distinct
Profile Des Depth (Inches) 0-1 1-9	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2	% 100 70	needed to documen Red Color (moist) 10YR 5 / 8	ox Feature % 30	es				Remarks organics dry/crumbly; distinct concentrations Fe & Mn
Profile Des Depth (Inches) 0-1 1-9	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2	% 100 70	needed to documen Red Color (moist) 10YR 5 / 8	ox Feature % 30	es				Remarks organics dry/crumbly; distinct concentrations Fe & Mn
Profile Des Depth (Inches) 0-1 1-9	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2	% 100 70	needed to documen Red Color (moist)	ox Feature % 30	es				Remarks organics dry/crumbly; distinct concentrations Fe & Mn
Profile Des Depth (Inches) 0-1 1-9 9-12	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2	% 100 70 60	needed to documen Red Color (moist) 10YR 5 / 8 10YR 5 / 8	ox Feature % 30 40	es Type!	Loc²	Text	ure	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.
Profile Des Depth (Inches) 0-1 1-9 9-12	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 concentration, D=Depleti	% 100 70 60	needed to documen Red Color (moist) 10YR 5 / 8 10YR 5 / 8	ox Feature % 30 40	es Type!	Loc²	Text	ure	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.
Profile Des Depth (Inches) 0-1 1-9 9-12 'Type: C=C Hydric Soil	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 concentration, D=Deplete	% 100 70 60	needed to documen Red Color (moist) 10YR 5/8 10YR 5/8	30 40  overed or (	Type!	Loc²	Text	<sup>2</sup> Location:	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Soils3:
Profile Des Depth (Inches) 0-1 1-9 9-12  Type: C=C Hydric Soil	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 concentration, D=Deplete	% 100 70 60	needed to documen Red Color (moist) 10YR 5 / 8 10YR 5 / 8	30 40  Watrix (S4	Type!	Loc²	Text	<sup>2</sup> Location: tors for Propast Prairie I	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.
Profile Des Depth (Inches) 0-1 1-9 9-12  Type: C=C Hydric Soil Histosc Histic E Black H	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2  10YR 5 / 2  oncentration, D=Deplete Indicators: ol (A1) Epipedon (A2) distic (A3)	% 100 70 60	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  duced Matrix, CS=Color Sandy Redox Stripped Matrix	30 40 Autrix (S4 (S5) x (S6)	Type!  Type!  Coated Sar	Loc²	Text	<sup>2</sup> Location: tors for Propast Prairie I	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Soils3: Redox (A16)
Profile Des Depth (Inches) 0-1 1-9 9-12  Type: C=C Hydric Soil Histosc Histic E Black H Hydrog	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  concentration, D=Deplete Indicators: oi (A1) Epipedon (A2) distic (A3) en Sulfide (A4)	% 100 70 60	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  aduced Matrix, CS=Color Sandy Redox Stripped Matrix Loamy Mucky	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F	Type'  Coated Sar	Loc²	Text	<sup>2</sup> Location: tors for Propast Prairie I	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix blematic Hydric Soils3: Redox (A16) se Masses (F12)
Profile Des Depth (Inches) 0-1 1-9 9-12  Type: C=C Hydric Soli Histoso Histic E Black H Hydrog Stratific	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  Indicators: I	% 100 70 60	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  10YR 5 / 8  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F3 Matrix (F3	Type'  Coated Sar	Loc²	Text	<sup>2</sup> Location: tors for Propast Prairie I	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix blematic Hydric Soils3: Redox (A16) se Masses (F12)
Profile Des Depth (Inches) 0-1 1-9 9-12  Type: C=C Hydric Soli Histos Histos Hydrog Stratifie 2 cm M Deplete	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  concentration, D=Deplete Indicators: oi (A1) Epipedon (A2) distic (A3) en Sulfide (A4)	% 100 70 60 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  10YR 5 / 8  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Si	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F3 ix (F3) urface (F6)	Coated Sar	Loc²	Indicate Co	<sup>2</sup> Location: tors for Pro- tors for Pro- torst Prairie I nn-Mangane her (Explain	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Soils3: Redox (A16) se Masses (F12) in Remarks)
Profile Des Depth (Inches) 0-1 1-9 9-12  'Type: C=C Hydric Soli Histo E Black H Hydrog Stratifie 2 cm M Deplete Thick D	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) dd Layers (A5) luck (A10) ed Below Dark Surface (A12)	% 100 70 60 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  10YR 5 / 8  2 sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F1 Matrix (F3) ix (F3) urface (F6) Surface (F6)	Coated Sar	Loc²	Indicate Ort	<sup>2</sup> Location: tors for Propast Prairie In-Mangane her (Explain	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Soils3: Redox (A16) se Masses (F12) in Remarks)
Profile Des Depth (Inches) 0-1 1-9 9-12  'Type: C=C Hydric Soli Histoc E Black H Hydrog Stratifie 2 cm M Deplete Thick D Sandy	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  Indicators: ol (A1) epipedon (A2) distic (A3) en Sulfide (A4) da Layers (A5) duck (A10) ed Below Dark Surface (A12) Mucky Mineral (S1)	% 100 70 60 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  10YR 5 / 8  Sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Si	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F1 Matrix (F3) ix (F3) urface (F6) Surface (F6)	Coated Sar	Loc²	Indicate Ort	<sup>2</sup> Location: tors for Propast Prairie In-Mangane her (Explain	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Soils3: Redox (A16) se Masses (F12) in Remarks)
Profile Des Depth (Inches) 0-1 1-9 9-12  'Type: C=C Hydric Soli Histoc E Black H Hydrog Stratifie 2 cm M Deplete Thick D Sandy 5 cm M	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) dd Layers (A5) luck (A10) ed Below Dark Surface (A12)	% 100 70 60 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  10YR 5 / 8  2 sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F1 Matrix (F3) ix (F3) urface (F6) Surface (F6)	Coated Sar	Loc²	Indicate Otto	<sup>2</sup> Location: tors for Propast Prairie In-Mangane ther (Explain	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Solls <sup>3</sup> : Redox (A16) se Masses (F12) in Remarks)  ophytic vegetation and ogy must be present.
Profile Des Depth (Inches) 0-1 1-9 9-12  'Type: C=C Hydric Soil Histoc Histoc Stratific 2 cm M Deplete Thick D Sandy S cm M Restrictive	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  Indicators: In	% 100 70 60 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  10YR 5 / 8  2 sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F1 Matrix (F3) ix (F3) urface (F6) Surface (F6)	Coated Sar	Loc²	Indica Co	2Location: tors for Pro past Prairie I n-Mangane ther (Explain	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Solls <sup>3</sup> : Redox (A16) se Masses (F12) in Remarks)  ophytic vegetation and ogy must be present.
Profile Des Depth (Inches) 0-1 1-9 9-12  'Type: C=C Hydric Soil Histoso Histoso Histoso Stratific 2 cm M Deplete Thick D Sandy Straticive Type: Depth: (I	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  Indicators: In	% 100 70 60 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  10YR 5 / 8  2 sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F1 Matrix (F3) ix (F3) urface (F6) Surface (F6)	Coated Sar	Loc²	Indica In	<sup>2</sup> Location: tors for Pro past Prairie I past Prairie I	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) se Masses (F12) in Remarks)  ophytic vegetation and ogy must be present.
Profile Des Depth (Inches) 0-1 1-9 9-12  'Type: C=C Hydric Soil Histoso Histoso Histoso Stratific 2 cm M Deplete Thick D Sandy Straticive Type: Depth: (I	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  Indicators: In	% 100 70 60 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  10YR 5 / 8  2 sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F1 Matrix (F3) ix (F3) urface (F6) Surface (F6)	Coated Sar	Loc²	Indica In	2Location: tors for Pro past Prairie I n-Mangane ther (Explain	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) se Masses (F12) in Remarks)  ophytic vegetation and ogy must be present.
Profile Des Depth (Inches) 0-1 1-9 9-12  'Type: C=C Hydric Soil Histoso Histoso Histoso Stratific 2 cm M Deplete Thick D Sandy Straticive Type: Depth: (I	Matrix Color (moist) 2.5Y4 / 1 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2 10YR 5 / 2  Indicators: In	% 100 70 60 on, RM=Re	needed to documen Red Color (moist)  10YR 5 / 8  10YR 5 / 8  10YR 5 / 8  2 sandy Gleyed Sandy Redox Stripped Matrix Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St	ox Feature % 30 40  Matrix (S4 (S5) x (S6) Mineral (F1 Matrix (F3) ix (F3) urface (F6) Surface (F6)	Coated Sar	Loc²	Indica In	<sup>2</sup> Location: tors for Pro past Prairie I past Prairie I	Remarks organics dry/crumbly; distinct concentrations Fe & Mn Distinct redox concent.  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) se Masses (F12) in Remarks)  ophytic vegetation and ogy must be present.

HULL & ASSOCIATES, INC. DUBLIN, OHIO

		PAGE 2
· · · · · · · · · · · · · · · · · · ·		Sampling Date: 10/19/11 Sampling Point: SP55
HYDROLOGY		
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required)	ed: check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
Saturation (A3)	☐ True Aquatic Plants (B14)	Dry-Season Water Table (C2)
☑ Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	Presence of Reduced Iron (C4)	☑ Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)
Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (B	Other (Explain in Remarks)	
Field Observations:		
	(Inches):	
	(Inches):	
Saturation Present? No Depth (includes capillary fringe)	(Inches): Wetland Hydrology P	resent? Yes
☐ Recorded Data (Describe in Remark ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs	s):	·
Other		
No Recorded Data		
Remarks: One primary and three secondary i	ndicators of hydrology are present	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #55 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT- COVER	% OF TDM	DOMINANT
Toxicodendron radicans	FAC	Herb	10	100%	Yes
		Herb			
		Herb			-
· · · · · · · · · · · · · · · · · · ·		Herb			
		Herb	<del></del>		
		Herb			
		Herb			
		Herb		"	
	-	Herb			
		Herb		<del>                                     </del>	
		TDM=	10	,	***
raxinus pennsylvanica	FACW	Shrub/Sap	5	100%	Yes
raxino permoyrvaniou	17944	Shrub/Sap	<del>-</del>	1 1 1 1 1 1 1	, ==
		Shrub/Sap		·	
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap		<u> </u>	
	<del></del>		· · · · · ·	<del> </del>	
	<del></del>	Shrub/Sap		<del> </del>	-
		Shrub/Sap	,.		1
		Shrub/Sap			
		Shrub/Sap	5		
		TDM=		0504	Van
Populus deltoides	FAC	Tree	65	65%	Yes
Selix nigra	FACW+	Tree	25	25%	Yes
raxinus pennsylvanica	FACW	Tree	10	10%	
•		Tree	<del></del> -		
	<del></del> -	Tree		<u></u>	
		Tree		<u> </u>	
		Tree	_ <del></del>	<del> </del>	
		Tree	<del> </del>		
		Tree		<u> </u>	
		Tree			
		TDM=	100	<del> </del>	
		Vine			
		TDM=	0	1	

Project/Sit	te: EVP010 Phase II			City/Cou	nty: Chan	npaign Co	. Sampli	ing Date: 10/19/11
Applicant/	Owner: Everpower			State: Of	-1		Sampli	ing Point: SP56
Investigate	· ·			Section.	Township	. Range:		
				<u></u>			convex, none):	
	hillslope, terrace, etc.):	2470	1 amar. 92 G	ı			convex, none): /GS 1984	
Slope (%):			Long: 83.5	0010			•	. PPMC
	init Name: Brookston sil	-		0.14		ļ	VI classification	I: PEMIC
41	c/hydrologic conditions o	· <del>-</del>	=	-				
	ition 🔲, Soil 🔲, or Hyd							Yes
<u> </u>	ition 🔲 Soil 🔲, or Hyd							
SUMMAR	Y FINDINGS - Attac	h site ma	p showing sampl	ing point	location	s, trans	ects, importa	int features, etc.
Hydrophyti	c Vegetation Present?	Yes		Is th	e Sample	d Area		
Hydric Soil	Present?	Yes		with	in a Wetla	nd?	Yes	
Wetland H	ydrology Present?	Yes .						
						,	· · · · · · · · · · · · · · · · · · ·	- M Andrews -
Remarks: \	Wetland EE; non-isolate	d, 4 flags		•				
VEGETAT			SFWS Region No.					
	See atta	ched sheet	for listing of plant	species an	d identific	ation of	dominant veg	etation
Percent of	Dominant Species that a	are OBL, FA	CW or FAC: (exclud	ing FAC-) =	= 1/1 = 100	)%	•=	
FAC Neutra	al Test: 1 > 0 = Pass							
Prevalence	•							
			_					
Remarks: I	lydrophytic plany comm	unity is pres	sent					
SOIL			LRR: M					
Profile Des	scription: (Describe to	the depth	needed to documer	nt the indic	ator or co	onfirm th	e absence of i	ndicators.)
Profile Des Depth	Matrix		needed to documer Rec	dox Feature	es			
Profile Des		the depth % 100	needed to documer	nt the indic	ator or co	enfirm th	e absence of i	Remarks Matrix color: Gley 2.5/;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	dox Feature	es		Texture	Remarks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	dox Feature	es		Texture	Remarks Matrix color: Gley 2.5/;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	dox Feature	es		Texture	Remarks Matrix color: Gley 2.5/;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	dox Feature	es		Texture	Remarks Matrix color: Gley 2.5/;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	dox Feature	es		Texture	Remarks Matrix color: Gley 2.5/;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	dox Feature	es		Texture	Remarks Matrix color: Gley 2.5/;
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 2.5 /	% 100	needed to documer Rec Color (moist)	dox Feature %	Type'	Loc²	Texture silty	Remarks Matrix color: Gley 2.5/;
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 2.5 /	% 100	needed to documer Rec Color (moist)	dox Feature %	Type'	Loc²	Texture silty	Remarks Matrix color: Gley 2.5/; organic/sticky  lon: PL=Pore Lining, M=Matrix
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 2.5 /  2.5 /  oncentration, D=Deplet	% 100	needed to documer Rec Color (moist)	dox Feature %	Type' Type' Coated Sal	Loc²	Texture silty	Remarks  Matrix color: Gley 2.5/; organic/sticky  lon: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> :
Profile Des Depth (Inches) 0-12  Type: C=C Hydric Soil	Matrix Color (moist) 2.5 /  oncentration, D=Deplet Indicators:	% 100	needed to documer Rec Color (moist)  duced Matrix, CS=C Sandy Gleyec	dox Feature %  Sovered or C	Type' Type' Coated Sal	Loc²	Texture silty  2Locat Indicators for	Remarks  Matrix color: Gley 2.5/; organic/sticky  lon: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> : irie Redox (A16)
Profile Des Depth (Inches) 0-12  Type: C=C Hydric Soil Histosc Histic E	Matrix Color (moist) 2.5 /  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2)	% 100	reeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyec Sandy Redox	dox Feature %  Covered or C Matrix (S4 (S5)	Type' Type' Coated Sal	Loc²	Texture silty	Remarks  Matrix color: Gley 2.5/; organic/sticky  lon: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> : irie Redox (A16) panese Masses (F12)
Profile Des Depth (Inches) 0-12  Type: C=C Hydric Soil Histosc Black	Matrix Color (moist) 2.5 /  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) distic (A3)	% 100	needed to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyec Sandy Redox Stripped Matrix	dox Feature %  covered or 0  Matrix (S4 (S5) ix (S6)	Coated Sai	Loc²	Texture silty	Remarks  Matrix color: Gley 2.5/; organic/sticky  lon: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> : irie Redox (A16)
Profile Des Depth (Inches) 0-12  Type: C=C Hydric Soil Histosc Histic E Black H Hydrog	Matrix Color (moist) 2.5 /  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4)	% 100	meeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyec Sandy Redox Stripped Matri Loamy Mucky	dox Feature %  covered or 0 d Matrix (S4 (S5) ix (S6) Mineral (F	Coated Sai	Loc²	Texture silty	Remarks  Matrix color: Gley 2.5/; organic/sticky  lon: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> : irie Redox (A16) panese Masses (F12)
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histoso Histic E Black H Hydrog Stratifie	Matrix Color (moist) 2.5 /  concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) distic (A3)	% 100	needed to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyec Sandy Redox Stripped Matrix	dox Feature %  covered or 0 d Matrix (S4 (S5) ix (S6) Mineral (F3 d Matrix (F3	Coated Sai	Loc²	Texture silty	Remarks  Matrix color: Gley 2.5/; organic/sticky  lon: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> : irie Redox (A16) panese Masses (F12)
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histoc E Black H Hydrog Stratifie 2 cm M Deplete	Matrix Color (moist) 2.5 /  2.5 /  concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5)	% 100	reeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyect Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyect Depleted Matri Redox Dark S	dox Feature %  Sovered or C  I Matrix (S4 (S5) ix (S6) Mineral (F6 Matrix (F3) Surface (F6)	Coated San	Loc²	Texture silty  2Locat Indicators for Coast Pra Iron-Mang Other (Ex	Remarks  Matrix color: Gley 2.5/; organic/sticky  ion: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> : irie Redox (A16) janese Masses (F12) plain in Remarks)
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histoc E Black H Hydrog Stratifie 2 cm M Deplete Thick D	Matrix Color (moist) 2.5 /  2.5 /  concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface ( Dark Surface (A12)	% 100	meeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyect Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyect Depleted Matri Redox Dark S Depleted Dark	dox Feature %  Sovered or C  I Matrix (S4 (S5) ix (S6) Mineral (F6 d Matrix (F3) surface (F6) k Surface (F6)	Coated San	Loc²	Texture silty  *Locat Indicators for Coast Pre Iron-Mang Other (Ex	Remarks  Matrix color: Gley 2.5/; organic/sticky  Ion: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> : irrie Redox (A16) panese Masses (F12) plain in Remarks)
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histoc E Black H Hydrog Stratifie 2 cm M Deplete X Thick D Sandy	Matrix Color (moist) 2.5 /  2.5 /  concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 100	reeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyect Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyect Depleted Matri Redox Dark S	dox Feature %  Sovered or C  I Matrix (S4 (S5) ix (S6) Mineral (F6 d Matrix (F3) surface (F6) k Surface (F6)	Coated San	Loc²	Texture silty  *Locat Indicators for Coast Pre Iron-Mang Other (Ex	Remarks  Matrix color: Gley 2.5/; organic/sticky  ion: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> : irie Redox (A16) janese Masses (F12) plain in Remarks)
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histosc Histosc Hydrog Stratific 2 cm M Deplete Sandy Sandy 5 cm M	Matrix Color (moist) 2.5 / 2.5 /  concentration, D=Deplet I Indicators: ol (A1) elpledon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface ( Dark Surface (A12) Mucky Mineral (S1) lucky Peat or Peat (S3)	% 100	meeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyect Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyect Depleted Matri Redox Dark S Depleted Dark	dox Feature %  Sovered or C  I Matrix (S4 (S5) ix (S6) Mineral (F6 d Matrix (F3) surface (F6) k Surface (F6)	Coated San	Loc²	Texture silty  *Locat Indicators for Coast Pre Iron-Mang Other (Ex	Remarks  Matrix color: Gley 2.5/; organic/sticky  Ion: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>5</sup> : irrie Redox (A16) panese Masses (F12) plain in Remarks)
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histosc Histosc Hydrog Stratifie 2 cm M Deplete Sandy Sandy Som M Restrictive	Matrix Color (moist) 2.5 /  2.5 /  concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 100	meeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyect Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyect Depleted Matri Redox Dark S Depleted Dark	dox Feature %  Sovered or C I Matrix (S4 (S5) ix (S6) Mineral (F d Matrix (F3) surface (F6) k Surface (F6)	Coated San	Loc²	Texture silty  **Locat Indicators for Coast Pra Iron-Mang Other (Ex	Remarks  Matrix color: Gley 2.5/; organic/sticky  Ion: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>3</sup> : irie Redox (A16) panese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histosc Histosc Hydrog Stratific 2 cm M Deplete Sandy Sandy 5 cm M	Matrix Color (moist) 2.5 / 2.5 /  concentration, D=Deplet Indicators: Indicato	% 100	meeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyect Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyect Depleted Matri Redox Dark S Depleted Dark	dox Feature %  Sovered or C I Matrix (S4 (S5) ix (S6) Mineral (F d Matrix (F3) surface (F6) k Surface (F6)	Coated San	Loc²	Texture silty  *Locat Indicators for Coast Pre Iron-Mang Other (Ex	Remarks  Matrix color: Gley 2.5/; organic/sticky  Ion: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>3</sup> : irie Redox (A16) panese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histosc Histoc E Black H Hydrog Stratifie 2 cm M Deplete Sandy Sandy 5 cm M Restrictive Type: Depth: (i	Matrix Color (moist) 2.5 / 2.5 /  concentration, D=Deplet Indicators: Indicato	% 100	meeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyect Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyect Depleted Matri Redox Dark S Depleted Dark	dox Feature %  Sovered or C I Matrix (S4 (S5) ix (S6) Mineral (F d Matrix (F3) surface (F6) k Surface (F6)	Coated San	Loc²	Texture silty  **Locat Indicators for Coast Pra Iron-Mang Other (Ex  **Indicators of wetland hy  Hydric Soil Pr	Remarks  Matrix color: Gley 2.5/; organic/sticky  Ion: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>3</sup> : irie Redox (A16) panese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histosc Histoc E Black H Hydrog Stratifie 2 cm M Deplete Sandy Sandy 5 cm M Restrictive Type: Depth: (i	Matrix Color (moist) 2.5 / 2.5 /  concentration, D=Deplet Indicators: Indicato	% 100	meeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyect Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyect Depleted Matri Redox Dark S Depleted Dark	dox Feature %  Sovered or C I Matrix (S4 (S5) ix (S6) Mineral (F d Matrix (F3) surface (F6) k Surface (F6)	Coated San	Loc²	Texture silty  *Locat Indicators for Coast Pra Iron-Mang Other (Ex  *Indicators of wetland hy Hydric Soil Pr Soil pit dug?	Remarks  Matrix color: Gley 2.5/; organic/sticky  Ion: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>3</sup> : irie Redox (A16) panese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soil Histosc Histoc E Black H Hydrog Stratifie 2 cm M Deplete Sandy Sandy 5 cm M Restrictive Type: Depth: (i	Matrix Color (moist) 2.5 / 2.5 /  concentration, D=Deplet Indicators: Indicato	% 100	meeded to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyect Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyect Depleted Matri Redox Dark S Depleted Dark	dox Feature %  Sovered or C I Matrix (S4 (S5) ix (S6) Mineral (F d Matrix (F3) surface (F6) k Surface (F6)	Coated San	Loc²	Texture silty  *Locat Indicators for Coast Pra Iron-Mang Other (Ex  *Indicators of wetland hy Hydric Soil Pr Soil pit dug?	Remarks  Matrix color: Gley 2.5/; organic/sticky  Ion: PL=Pore Lining, M=Matrix Problematic Hydric Soils <sup>3</sup> : irie Redox (A16) panese Masses (F12) plain in Remarks)  hydrophytic vegetation and drology must be present.

HULL & ASSOCIATES, INC. DUBLIN, OHIO

		PAGE 2
·		Sampling Date: 10/19/11
		Sampling Point: SP56
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required	check all that apply)	Secondary Indicators (minimum of two required)
⊠ Surface Water (A1)	☐ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	☑ Drainage Patterns (B10)
⊠ Saturation (A3)	True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (62)	☐ Presence of Reduced Iron (C4)	Geomorphic Position (D2)
☐ Algai Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	
☐ Iron Deposits (B5)	☑ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)	
☐ Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? Yes Depth (In	ches): 1"	
Water Table Present? No Depth (In	ches):	
Saturation Present? Yes Depth (in (includes capillary fringe)	ches): Wetland Hydrology Pr	esent? Yes
☐ Recorded Data (Describe in Remarks):		
Stream, Lake, or Tide Gauge Aerial Photographs Other		
☑ No Recorded Data		
Remarks: Three primary and three secondary h	ydrologic indicators are present	
	•	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #56 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW	Herb	<b>6</b> 5	65%	Yes
Typha latifolia	OBL	Herb	18	18%	
Carex stricta	OBL	Herb	15	15%	
Scirpus atrovirens	OBL	Herb	2	2%	
		Herb			
		Herb			
-		Herb			
	<u></u>	TDM=	100		
		Shrub/Sap		<u>-</u>	
		Shrub/Sap			
	,, <u>, , , , , , , , , , , , , , , , , ,</u>	Shrub/Sap			
		Shrub/Sap			
		TDM=	0		
		Tree			
		Tree			
		Tree			
		Tres			
		Tree			
		TDM=	0		
·		Vine	<u> </u>		
		Vine			****
		Vine	<u> </u>		
		Vine TDM=	0		

			***************************************					- 4010044
Project/Si	te: EVP010 Phase II			City/Cou	unty: Chan	npaign Co		g Date: 10/20/11
	Owner: Everpower			State: O			, ,	g Point: SP57
Investigat	or(s): BMF			Section,	Township	, Range:	*	
Landform (	(hillslope, terrace, etc.):			Le	ocal relief (	concave,	convex, none):	
Slope (%):	0-2 Lat: 40.06	8687	Long: 83.6	24228		Datum: V	VGS 1984	
Soil Map L	Init Name: Brookston si	ity clay loar	ท			NV	/I classification: I	None
Are climati	c/hydrologic conditions o	on the site t	typical for this time of	year? Ye	s (if no, e	xplain in I	Remarks.)	
Are Vegeta	ation 🔲, Soll 🔲, or Hy	drology 🔲	significantly disturbe	ed? Are "N	Iormal Circ	umstance	s" present? Ye	es es
Are Vegeta	ation 🔲, Soil 🔲, or Hy	drology 🔲	naturally problematic	? (if needs	ed, explain	any answ	ers in Remarks).	No
SUMMAR	RY FINDINGS Attac	h site ma	ap showing sampli	ing point	location	s, transe	cts, importan	t features, etc.
Hydrophyt	ic Vegetation Present?	Yes		ls th	e Sampie	d Area		
Hydric Soi	l Present?	Yes		with	in a Wetla	nd? `	/es	
Wetland H	lydrology Present?	Yes		ļ				
Remarks:	Wetland FF, adjacent, 2	2 flags		<u> </u>				
VEGETA			SFWS Region No.					
			t for listing of plant				dominant veget	ation
Percent of	Dominant Species that	are OBL, F	ACW or FAC: (exclud	ing FAC-)	= 2/2 = 100	) %		
FAC Neutr	ral Test: 1 > 0 = Pass							
Prevalence	e Index =							
i	Hydrophytic plant comm	unity is pre	sent					
						·		
POIL			1 DD: W	•				
SOIL Profile De	scription: (Describe to	the depth	LRR: M	at the indi	cator or co	onfirm the	absence of inc	licators.)
	scription: (Describe to Matrix		needed to documer	lox Featur	es			
Profile De- Depth (Inches)	Matrix Color (moist)	%	needed to documer			nfirm the	Texture	licators.) Remarks
Profile De Depth	Matrix		needed to documer	lox Featur	es			
Profile De Depth (Inches) 0-6	Matrix Color (moist) 2.5Y3 / 1	% 100	needed to documer Rec Color (molst)	iox Featur %	es		Texture silty clay	Remarks  Matrix color: 5Y 3/1;
Profile De Depth (Inches) 0-6	Matrix Color (moist) 2.5Y3 / 1	% 100	needed to documer Rec Color (molst)	lox Feature % 10	es		Texture silty clay	Remarks  Matrix color: 5Y 3/1;
Profile De Depth (Inches) 0-6	Matrix Color (moist) 2.5Y3 / 1	% 100	needed to documer Rec Color (molst)	lox Feature % 10	es		Texture silty clay	Remarks  Matrix color: 5Y 3/1;
Profile De Depth (Inches) 0-6	Matrix Color (moist) 2.5Y3 / 1	% 100	needed to documer Rec Color (molst)	lox Feature % 10	es		Texture silty clay	Remarks  Matrix color: 5Y 3/1;
Profile Depth Depth (Inches) 0-6 6-12	Matrix Color (moist) 2.5Y3 / 1 3 / 1	% 100 90	Receded to documer Rec Color (molst)  10YR 5 / 6	dox Featur % 10	es Type'	Loc²	Texture silty clay silty clay	Remarks  Matrix color: 5Y 3/1;
Profile Depth (Inches) 0-6 6-12	Matrix Color (moist) 2.5Y3 / 1 3 / 1 3 / 1  Concentration, D=Deplet	% 100 90	Receded to documer Rec Color (molst)  10YR 5 / 6	dox Featur % 10	es Type'	Loc²	Texture silty clay silty clay	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix
Profile Der Depth (Inches) 0-6 6-12	Matrix Color (moist) 2.5Y3 / 1 3 / 1 3 / 1  concentration, D=Deplet	% 100 90	Recorded to documer  Recorded (molst)  10YR 5/6  10YR 5/6  educed Matrix, CS=C	10 overed or to	Type¹  Type¹  Coated Sai	Loc²	Texture silty clay silty clay  *Location Indicators for P	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3:
Profile Der Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soi	Matrix Color (moist) 2.5Y3 / 1 3 / 1 3 / 1  concentration, D=Deplet I Indicators:	% 100 90	Receded to documer  Rec Color (molst)  10YR 5 / 6  educed Matrix, CS=C	10  overed or to Matrix (S4)	Type¹  Type¹  Coated Sai	Loc²	Texture silty clay silty clay  *Location Indicators for P Coast Prairie	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16)
Profile Der Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soi Histos	Matrix Color (moist) 2.5Y3 / 1 3 / 1 3 / 1  Concentration, D=Deplet I Indicators: oi (A1) Epipedon (A2)	% 100 90	Recorded to documer  Recorded (molst)  10YR 5/6  10YR 5/6  educed Matrix, CS=C	10  overed or (S4 (S5)	Type¹  Type¹  Coated Sai	Loc²	Texture silty clay silty clay  *Location Indicators for P Coast Prairie Iron-Mangar	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3:
Profile Der Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soi Histor Black I	Matrix Color (moist) 2.5Y3 / 1 3 / 1 3 / 1  concentration, D=Deplet I Indicators:	% 100 90	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky	overed or (S5) ix (S6) Mineral (F	Coated Sai	Loc²	Texture silty clay silty clay  *Location Indicators for P Coast Prairie Iron-Mangar	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12)
Profile Depth (Inches) 0-6 6-12  Type: C=C Hydric Soi Histor Histor Hydrog Stratific	Matrix Color (moist) 2.5Y3 / 1 3 / 1 3 / 1  Concentration, D=Deplet Il Indicators: oi (A1) Epipedon (A2) Histlic (A3) gen Sulfide (A4) ed Layers (A5)	% 100 90	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Loamy Gleyed	overed or (S5) ix (S6) Matrix (Fill Matrix (	Coated Sai	Loc²	Texture silty clay silty clay  *Location Indicators for P Coast Prairie Iron-Mangar	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12)
Profile Dec Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soi Histor Histor Hydrog Stratific 2 cm M	Concentration, D=Deplet Indicators: oi (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10)	% 100 90 90	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	overed or (S5) ix (S6) Mineral (F4) Matrix (F4) Mineral (F4) Mineral (F5) Mineral (F6)	Coated San	Loc²	Texture silty clay silty clay  *Location Indicators for P Coast Prairie Iron-Mangar	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12)
Profile Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratific 2 cm N Deplet	Color (moist)  2.5Y3 / 1  3 / 1  Concentration, D=Deplet il Indicators: oi (A1)  pipedon (A2) -fistlc (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface (	% 100 90 90	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S	overed or (S5)  X (S6)  Mineral (F6)  Matrix (F3)  urface (F6)	Coated San	Loc²	Texture sifty clay sifty clay  *Location Indicators for P Coast Prairi Iron-Mangar Other (Expla	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12)
Profile Depth (Inches) 0-6 6-12  Type: C=C Hydric Soi Histor Histor Histor Stratific 2 cm N Deplet Thick I	Concentration, D=Deplet Indicators: oi (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10)	% 100 90 90	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	overed or (S5)  X (S6)  Mineral (F6)  Matrix (F3)  urface (F6)  Surface (F6)	Coated San  (1)  (1)  (2)  (3)  (4)	Loc²	Texture sifty clay sifty clay  *Location Indicators for P Coast Prairi Iron-Mangar Other (Expla	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils³: e Redox (A16) nese Masses (F12) ain in Remarks)
Profile Depth (Inches) 0-6 6-12  'Type: C=0 Hydric Soi Histor Histor Histor Stratifit 2 cm N Deplet Thick I Sandy 5 cm N	Color (moist)  2.5Y3 / 1  3 / 1  Concentration, D=Deplet Il Indicators: oi (A1) Epipedon (A2) Histlic (A3) gen Sulfide (A4) ed Layers (A5) fluck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) flucky Peat or Peat (S3)	% 100 90 Blon, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or (S5)  X (S6)  Mineral (F6)  Matrix (F3)  urface (F6)  Surface (F6)	Coated San  (1)  (1)  (2)  (3)  (4)	Loc²	Texture sifty clay sifty clay  *Location Indicators for P Coast Prairi Iron-Mangar Other (Expla	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils³: e Redox (A16) nese Masses (F12) ain in Remarks)  drophytic vegetation and
Profile Depth (Inches) 0-6 6-12  'Type: C=C Hydric Soi Histor Histor Hydrog Stratific 2 cm N Deplet Thick I Sandy 5 cm N Restrictive	Color (moist)  2.5Y3 / 1  3 / 1  Concentration, D=Deplet Il Indicators: oi (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 100 90 Blon, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or (S5)  X (S6)  Mineral (F6)  Matrix (F3)  urface (F6)  Surface (F6)	Coated San  (1)  (1)  (2)  (3)  (4)	Loc²	Texture sifty clay sifty clay sifty clay  **Location Indicators for P Coast Prairi Iron-Mangar Other (Explain  **Indicators of hywetland hydrometric  **Indicators of hydrometric  **Indicator	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) ain in Remarks)  drophytic vegetation and blogy must be present.
Profile Depth (Inches) 0-6 6-12  'Type: C=0 Hydric Soil Histor Histor Stratifi 2 cm N Deplet Thick I Sandy 5 cm N Restrictive Type:	Color (moist)  2.5Y3 / 1  3 / 1  Concentration, D=Deplet Indicators: Indicators: Di (A1) Epipedon (A2) Histlic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) et Layer (If observed):	% 100 90 Blon, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or (S5)  X (S6)  Mineral (F6)  Matrix (F3)  urface (F6)  Surface (F6)	Coated San  (1)  (1)  (2)  (3)  (4)	Loc²	Texture sifty clay sifty clay sifty clay  **Location Indicators for P Coast Prairi Iron-Mangar Other (Explain  **Indicators of hy wetland hydro	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) ain in Remarks)  drophytic vegetation and blogy must be present.
Profile December 19 Profil	Color (moist)  2.5Y3 / 1  3 / 1  Concentration, D=Deplet Il Indicators: ol (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface ( Dark Surface (A12) Mucky Mineral (S1) fucky Peat or Peat (S3) Example (A3) Example (A4) Example (A3) Example (A3) Example (A4) Exam	% 100 90 Blon, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or (S5)  X (S6)  Mineral (F6)  Matrix (F3)  urface (F6)  Surface (F6)	Coated San  (1)  (1)  (2)  (3)  (4)	Loc²	Texture sifty clay sifty clay sifty clay  **Location Indicators for P Coast Prairi Iron-Mangar Other (Explain  **Indicators of hywetland hydrometric  **Indicators of hydrometric  **Indicator	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12) ain in Remarks)  drophytic vegetation and blogy must be present.
Profile December 19 Profil	Color (moist)  2.5Y3 / 1  3 / 1  Concentration, D=Deplet Indicators: Indicators: Di (A1) Epipedon (A2) Histlic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) et Layer (If observed):	% 100 90 Blon, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or (S5)  X (S6)  Mineral (F6)  Matrix (F3)  urface (F6)  Surface (F6)	Coated San  (1)  (1)  (2)  (3)  (4)	Loc²	Texture sifty clay sifty clay sifty clay  *Location Indicators for P Coast Prairi Iron-Mangar Other (Expla	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12) ain in Remarks)  drophytic vegetation and blogy must be present.
Profile December 19 Profil	Color (moist)  2.5Y3 / 1  3 / 1  Concentration, D=Deplet Il Indicators: ol (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface ( Dark Surface (A12) Mucky Mineral (S1) fucky Peat or Peat (S3) Example (A3) Example (A4) Example (A3) Example (A3) Example (A4) Exam	% 100 90 Blon, RM=R	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or (S5)  X (S6)  Mineral (F6)  Matrix (F3)  urface (F6)  Surface (F6)	Coated San  (1)  (1)  (2)  (3)  (4)	Loc²	Texture sifty clay sifty clay sifty clay  *Location Indicators for P Coast Prairi Iron-Mangar Other (Expla	Remarks  Matrix color: 5Y 3/1; damp  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils3: e Redox (A16) nese Masses (F12) ain in Remarks)  drophytic vegetation and blogy must be present.

	The state of the s	PAGE 2
		Sampling Date: 10/20/11 Sampling Point: SP57
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required	check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	☐ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
High Water Table (A2)	☐ Aquatic Fauna (B13)	☑ Drainage Patterns (B10)
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	☐ Presence of Reduced Iron (C4)	☐ Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	□ FAC-Neutral Test (D5)
☐ Iron Deposits (B5)	Thin Muck Surface (C7)	Other (Explain In Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? No Depth (In	ches):	
Water Table Present? No Depth (in	ches):	
Saturation Present? No Depth (In (Includes capillary fringe)	ches): Wetland Hydrology Pr	resent? Yes
Recorded Data (Describe in Remarks):		
☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other		
⊠ No Recorded Data		
Remarks: Two secondary indicators of hydrolog	y are present.	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #57 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW	Herb	100	100%	Yes
		Herb		<u>.                                    </u>	
		Herb			
		Herb		<u></u>	
		Herb			
		Herb			
		Herb			
	,	Herb			
		Herb			
		Herb			
<u> </u>		TDM=	100		
Populus deltoides	FAC	Shrub/Sap	5	100%	Yes
		Shrub/Sap			
<u> </u>	-	Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			
•		TDM=	5		
<del></del>		Tree			
· · · · · · · · · · · · · · · · · · ·		Tree			
		Tree			
		Tree			
······································		Tree			
	<u> </u>	Tree			
	· · · · · · · · · · · · · · · · · · ·	Tree			
		Tree		-	
		Tree			
		Tree			
	-	TDM=	0		
		Vine	<u> </u>		
		Vine			
			· · · · · · · · · · · · · · · · · · ·		
		Vine			<del> </del>
	<del> </del>	Vine TDM=	0		

Project/Si	te: EVP010 Phase I		• • • • • • • • • • • • • • • • • • • •	City/County: Char	npaign Co.	Sampling	Date: 10/20/11
Applicant	Owner: Everpower			State: OH	. •	-	Point: SP58
			•		n Densel	,	i dini. di do
<del></del>	or(s): BMF		***********	Section, Townshi			
Landform (	hilislope, terrace, etc.):			Local relief	concave, c	convex, none):	
Slope (%):	2-6 Lat: 40.06	963	Long: 83.62	9194	Datum: W	GS 1984	
Soil Map L	Init Name: Brookston sl	ity clay loan	1		NW	'I classification: N	one
Are climati	c/hydrologic conditions	on the site ty	pical for this time of	year? Yes (If no, o	explain in F	Remarks.)	
	ation 🔲 Soil 🔲, or Hy		•				,
	ation . Soil ., or Hy		• ,			•	
Are vegeta	жин <u> </u>	ulology 🗀 i	naturally problematic	(II needed, explain	ally allowe	or in Remarks).N	
SUMMAR	Y FINDINGS - Attac	h site ma	p showing sampli	ing point location	s, transe	cts, important	features, etc.
Hydrophyti	ic Vegetation Present?	Yes		is the Sample	d Area		
Hydric Soil	Present?	Yes		within a Wetla	ınd? Y	'es	• •
1	ydrology Present?	Yes					
wellatio n	yuldiogy Fresents	105					
Remarks:	Linear wetland ditch; We	etland GG, 2	25 flagsHydrophytic p	lant community is pro	esent	·	
\	TION	/114	SEMIO PI-LITE	4 Na-4b	Danie.		
VEGETA:			SFWS Region No.		<del></del>		
			for listing of plant	-		nominant vegeta	tion
Percent of	Dominant Species that	are OBL, FA	ACW or FAC: (exclud	ing FAC-) = 3/3 = 10	0 %		
FAC Neutr	al Test: 3 > 0 = Pass						
   Prevalence	Index =						
ł	HIGHA -		•				
Remarks:							
					····	***************************************	
SOIL		·	LRR: M				
Profile Des	cription: (Describe to	the depth	needed to documer		onfirm the	absence of indi	cators.)
Profile Des Depth	Matrix		needed to documer Rec	iox Features			
Profile Des	Matrix Color (moist)	the depth	needed to documer		Loc²	absence of indi	cators.)  Remarks  Matrix color: 5Y 4/1;
Profile Des Depth (Inches)	Matrix	%	needed to documer Rec	iox Features		Texture	Remarks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	iox Features		Texture	Remarks Matrix color: 5Y 4/1;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	iox Features		Texture	Remarks Matrix color: 5Y 4/1;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	iox Features		Texture	Remarks Matrix color: 5Y 4/1;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	iox Features		Texture	Remarks Matrix color: 5Y 4/1;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	iox Features		Texture	Remarks Matrix color: 5Y 4/1;
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec	iox Features		Texture	Remarks Matrix color: 5Y 4/1;
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 4 / 1	% 100	needed to documer Rec Color (moist)	dox Features  % Type¹	Loc²	Texture silt loam	Remarks Matrix color: 5Y 4/1; redox on roots
Profile Des Depth (Inches) 0-12	Matrix Color (moist)	% 100	needed to documer Rec Color (moist)	dox Features  % Type¹	Loc²	Texture silt loam	Remarks Matrix color: 5Y 4/1;
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 4 / 1  oncentration, D=Deplet	% 100	needed to documer Rec Color (moist)	dox Features  % Type¹  Type¹  overed or Coated Sa	Loc²	Texture silt loam	Remarks  Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix oblematic Hydric Soils3:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi	Matrix Color (moist) 4 / 1  oncentration, D=Deplet	% 100	needed to documer Rec Color (moist)	Matrix (S4)	Loc²	Texture silt loam  2Location: ndicators for Pro Coast Prairie Iron-Mangane	Remarks Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12)
Profile Des Depth (Inches) 0-12  Type: C=C Hydric Sol Histosc Black H	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3)	% 100	needed to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri	dox Features  % Type¹  Novered or Coated Sa  Matrix (S4) (S5) x (S6)	Loc²	Texture silt loam  2Location: ndicators for Pro Coast Prairie Iron-Mangane	Remarks Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix oblematic Hydric Soils3: Redox (A16)
Profile Des Depth (Inches) 0-12  Type: C=C Hydric Sol Histosc Histic E Black H Hydrog	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) en Sulfide (A4)	% 100	needed to documer Rec Color (moist)  duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1)	Loc²	Texture silt loam  2Location: ndicators for Pro Coast Prairie Iron-Mangane	Remarks Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12)
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Sol Histosc Black H Hydrog Stratific	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) ed Layers (A5)	% 100	needed to documer Rec Color (moist)  cduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed	overed or Coated Sa    Matrix (S4) (S5)     X (S6)     Matrix (F1)	Loc²	Texture silt loam  2Location: ndicators for Pro Coast Prairie Iron-Mangane	Remarks Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12)
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Sol Histosc Black H Hydrog Stratific 2 cm M	Matrix Color (moist) 4 / 1  oncentration, D=Deplet I indicators: ol (A1) Epipedon (A2) distic (A3) den Sulfide (A4) ed Layers (A5) duck (A10)	% 100 ion, RM=Re	needed to documer Rec Color (moist)  cduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	overed or Coated Sa  I Matrix (S4) (S5) Ix (S6) Mineral (F1) I Matrix (F3) ix (F3)	Loc²	Texture silt loam  2Location: ndicators for Pro Coast Prairie Iron-Mangane	Remarks Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12)
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Sol Histor Black Hydrog Stratific 2 cm M Deplete	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) Jen Sulfide (A4) Jed Layers (A5) Juck (A10) Ju	% 100 ion, RM=Re	needed to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1) I Matrix (F3) ix (F3) urface (F6)	Loc²	*Location: ndicators for Pro Coast Prairie Iron-Mangane Other (Explain	Remarks  Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix oblematic Hydric Soils3: Redox (A16) ase Masses (F12) n In Remarks)
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Sol Histor Black H Hydrog Stratific 2 cm M Deplete Thick D	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface (Dark Surface (A12)	% 100 ion, RM=Re	reeded to documer Rec Color (moist)  aduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1) I Matrix (F3) ix (F3) urface (F6) t Surface (F7)	Loc²	Texture silt loam  **Location: ndicators for Pre Coast Prairie Iron-Mangane Other (Explain	Remarks  Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix belematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) n In Remarks)
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Sol Histosc Histosc Histosc Histosc Stratific 2 cm M Deplete Thick E Sandy	Matrix Color (moist) 4 / 1  oncentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Ed Layers (A5) Huck (A10) Ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 100	needed to documer Rec Color (moist)  aduced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1) I Matrix (F3) ix (F3) urface (F6) t Surface (F7)	Loc²	Texture silt loam  **Location: ndicators for Pre Coast Prairie Iron-Mangane Other (Explain	Remarks  Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix oblematic Hydric Soils3: Redox (A16) ase Masses (F12) n In Remarks)
Profile Desire Depth (Inches)  0-12  'Type: C=C Hydric Soil Histosc Histic E Black H Hydrog Stratific 2 cm M Deplete X Thick E Sandy Sandy 5 cm M	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface (Dark Surface (A12)	% 100	reeded to documer Rec Color (moist)  aduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1) I Matrix (F3) ix (F3) urface (F6) t Surface (F7)	Loc²	Texture silt loam  **Location: ndicators for Pre Coast Prairie Iron-Mangane Other (Explain	Remarks  Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix belematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) n In Remarks)
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Sol Histose Histose Stratific 2 cm M Deplete Sandy 5 cm M Restrictive Type:	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hod Layers (A5) Huck (A10) Huck (A10) Huck (A10) Huck Mineral (S1) Hucky Peat or Peat (S3) Layer (If observed):	% 100	reeded to documer Rec Color (moist)  aduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1) I Matrix (F3) ix (F3) urface (F6) t Surface (F7)	Loc²	Texture silt loam  *Location: ndicators for Pro Coast Prairie Iron-Mangane Other (Explain Plandicators of hydrology wetland hydrology)  Hydric Soil Prese	Remarks Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix belematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in In Remarks)  rophytic vegetation and ogy must be present.
Profile Det Depth (Inches) 0-12  'Type: C=C Hydric Soi Histose Histose Slack Hydrog Stratific 2 cm M Deplete Thick E Sandy 5 cm M Restrictive	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hod Layers (A5) Huck (A10) Huck (A10) Huck (A10) Huck Mineral (S1) Hucky Peat or Peat (S3) Layer (If observed):	% 100	reeded to documer Rec Color (moist)  aduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1) I Matrix (F3) ix (F3) urface (F6) t Surface (F7)	Loc²	Texture silt loam  *Location: ndicators for Pro Coast Prairie Iron-Mangane Other (Explain  Pindicators of hydrole	Remarks  Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix oblematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) n in Remarks)  rophytic vegetation and ogy must be present.
Profile Desire Depth (Inches)  0-12  'Type: C=C Hydric Soil Histosc Histic E Black H Hydrog Stratific 2 cm M Deplete X Thick E Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hod Layers (A5) Huck (A10) Huck (A10) Huck (A10) Huck Mineral (S1) Hucky Peat or Peat (S3) Layer (If observed):	% 100	reeded to documer Rec Color (moist)  aduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1) I Matrix (F3) ix (F3) urface (F6) t Surface (F7)	Loc²	Texture silt loam  *Location: ndicators for Pro Coast Prairie Iron-Mangane Other (Explain Plandicators of hydrology wetland hydrology)  Hydric Soil Prese	Remarks  Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix bellematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in In Remarks)  rophytic vegetation and ogy must be present.
Profile Desire Depth (Inches)  0-12  'Type: C=C Hydric Soil Histosc Histic E Black H Hydrog Stratific 2 cm M Deplete X Thick E Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface (Oark Surface (A12) Mucky Mineral (S1) lucky Peat or Peat (S3) Layer (If observed): inches):	% 100	reeded to documer Rec Color (moist)  aduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1) I Matrix (F3) ix (F3) urface (F6) t Surface (F7)	Loc²	Texture silt loam  *Location: ndicators for Pro Coast Prairie Iron-Mangane Other (Explair Pindicators of hydrole wetland hydrole stydric Soil Prese	Remarks  Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix bellematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in In Remarks)  rophytic vegetation and ogy must be present.
Profile Desire Depth (Inches)  0-12  'Type: C=C Hydric Soil Histosc Histic E Black H Hydrog Stratific 2 cm M Deplete X Thick E Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 4 / 1  oncentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) en Sulfide (A4) ed Layers (A5) luck (A10) ed Below Dark Surface (Oark Surface (A12) Mucky Mineral (S1) lucky Peat or Peat (S3) Layer (If observed): inches):	% 100	reeded to documer Rec Color (moist)  aduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark	overed or Coated Sa  Matrix (S4) (S5) x (S6) Mineral (F1) I Matrix (F3) ix (F3) urface (F6) t Surface (F7)	Loc²	Texture silt loam  *Location: ndicators for Pro Coast Prairie Iron-Mangane Other (Explair Pindicators of hydrole wetland hydrole stydric Soil Prese	Remarks  Matrix color: 5Y 4/1; redox on roots  PL=Pore Lining, M=Matrix bellematic Hydric Soils <sup>3</sup> : Redox (A16) ese Masses (F12) in In Remarks)  rophytic vegetation and ogy must be present.

HULL & ASSOCIATES, INC. DUBLIN, OHIO

				PAGE 2
		•		Sampling Date: 10/20/11 Sampling Point: SP58
				Samping Forth, GF06
HYDROLOGY Wetland Hydrology Indic	ators:			
Primary Indicators (minimu		is required:	check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)			☐ Water-Stained Leaves (B9)	Surface Soll Cracks (B6)
High Water Table (A2)	High Water Table (A2)		Aquatic Fauna (B13)	☑ Drainage Patterns (B10)
☑ Saturation (A3)	☑ Saturation (A3)		True Aquatic Plants (B14)	Dry-Season Water Table (C2)
☐ Water Marks (B1)			☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)
Sediment Deposits (B2	<b>:</b> )		Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)			☐ Presence of Reduced Iron (C4)	Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)			Recent Iron Reduction in Tilled Soils (C6)	☑ FAC-Neutral Test (D5)
☐ Iron Deposits (B5)			☐ Thin Muck Surface (C7)	☐ Other (Explain in Remarks)
☐ Inundation Visible on A	erial Imag	ery (B7)	☐ Gauge or Well Data (D9)	
Sparsely Vegetated Co	ncave Su	rface (B8)	Other (Explain in Remarks)	
Field Observations:				
Surface Water Present?	No	Depth (Inc	ches):	
Water Table Present?	No	Depth (Inc	ches):	
Saturation Present? (includes capillary fringe)	Yes	Depth (Inc	ches): surface Wetland Hydrology Pr	esent? Yes
☐ Recorded Data (Des	cribe in F	Remarks):		
Stream, Lake, or Aerial Photograph Other	Tide Gau	•		
☑ No Recorded Data				
Remarks: One primary and	two seco	ndary indica	alors of wetland hydrology are present.	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #58 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW	Herb	90	90%	Yes
Carex frankii	OBL	Herb	10	10%	
		Herb			<u> </u>
		TDM≃	100		
Sallx nigra	FACW+	Shrub/Sap	20	50%	Yes
Salix exigua	OBL	Shrub/Sap	20	50%	Yes
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			
·		Shrub/Sap			
	,	Shrub/Sap			
		TDM=	. 40		
		Tree			
		Ттөв			
		Tree			
		Tree			
		Tree			·
		TDM=	0		
		Vine			
		TDM=_	0	1.2.1	

			· · · · · · · · · · · · · · · · · · ·							
Project/Si	te: EVP010 Phase II			City/Cou	nty: Chan	npaign Co	o.   S	Sampling D	ate: 12-12-11	
Applicant	Owner: Everpower		•	State: OF	1		s	Sampling P	oint: SP59	
1 -	or(s): BMF/KMH			Section,	Township	, Range:	:			
					ant rollof (	CORCOVA	CORNEY	none)		
1	(hillslope, terrace, etc.):	10004	1 02	j,	cal relief (		WGS 19			
Slope (%):		0.13334	Long: 83	106490						
Soil Map U								ication: Nor	1e	
	c/hydrologic conditions o									
	ation 🔲,-Soil 🔲, or Hyd	-	•							
Are Vegeta	etion 🔲, Soil 🔲, or Hyd	drology 🔲 i	naturally problematic	? (If needed	d, explain	any answ	vers in Re	emarks).No		
STIMMAE	RY FINDINGS – Attac	h cite ma	n showing sampli	ina noint l	ocation	s transc	ects im	nortant fe	atures, etc.	
SUMMA	T I III DIRGO - Attac	ii site iiid	p arrowing sumpr	ing both.	O Garion	s, truito	5010) 1111	portain in	444,00,000	
Hydrophyt	ic Vegetation Present?	Yes		is the	Sample	i Area				
Hydric Soi	l Present?	Yes		withi	n a Wetla	nd? '	Yes			
Wetland H	ydrology Present?	Yes		ŀ						
Predaild	yaiology i resent:	, 00								
Remarks:	Wetland HH, non-isolate	d								
L	<u>.</u>	<u></u>							······································	
VEGETA	<del>_</del>		SFWS Region No.							
	See atta	ched sheet	for listing of plant	species an	d identīfic	cation of	domina	nt vegetatio	on	
Percent of	Dominant Species that	are OBL, FA	CW or FAC: (exclud	ing FAC-) =	1/1 = 100	) %				
FAC Neutr	al Test: 1 > 0 = Pass									
Prevalence	-									
Remarks:	Hydrophytic plant comm	unity preser	nt							
						-				
SOIL			LRR: M							
	scription: (Describe to	the depth	needed to documer			onfirm the	e absenc	e of indica	itors.)	
Profile Des Depth	Matrix		needed to documer Rec	iox Feature	S				,	ko
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec Color (moist)	iox Feature %	s Type <sup>(</sup>	Loc²	Textu	re	itors.) Remar	ks
Profile Des Depth	Matrix		needed to documer Rec	iox Feature	S			re	,	ks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec Color (moist)	iox Feature %	s Type <sup>(</sup>	Loc²	Textu	re	,	ks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec Color (moist)	iox Feature %	s Type <sup>(</sup>	Loc²	Textu	re	,	ks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec Color (moist)	iox Feature %	s Type <sup>(</sup>	Loc²	Textu	re	,	ks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec Color (moist)	iox Feature %	s Type <sup>(</sup>	Loc²	Textu	re	,	ks
Profile Des Depth (Inches)	Matrix Color (moist)	%	needed to documer Rec Color (moist)	iox Feature %	s Type <sup>(</sup>	Loc²	Textu	re	,	ks
Profile De- Depth (Inches) 0-12	Matrix Color (moist) 7.5YR 3/2	% 95	needed to documer Rec Color (moist) 7.5YR 4/6	dox Feature % 5	S Type <sup>t</sup> C	M M	Textus silt to	re am	Remark	
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 7.5YR 3 / 2 Concentration, D=Deplet	% 95	needed to documer Rec Color (moist) 7.5YR 4/6	dox Feature % 5	S Type <sup>t</sup> C	M M	Textus sitt fo	re am	Remark	/i=Matrix
Profile Des Depth (Inches) 0-12 'Type: C=0 Hydric Sol	Matrix Color (moist) 7.5YR 3/2 Concentration, D=Deplet	% 95	needed to documer Rec Color (moist) 7.5YR 4/6	dox Feature % 5	Type' C	M M	Textus sit lo	re am  Location: Fors for Prob	Remark PL=Pore Lining, Notematic Hydric S	/i=Matrix
Profile Des Depth (Inches) 0-12  'Type: C=0 Hydric Sol	Color (moist) 7.5YR 3/2 Concentration, D=Deplet II Indicators:	% 95	needed to documer Rec Color (moist) 7.5YR 4/6  duced Matrix, CS=C	dox Feature % 5  overed or C  Matrix (S4)	Type' C	M M	Textus sit fo	re am PLocation: F ors for Prob ast Prairie R	Remark	/i=Matrix
Profile Depth (Inches) 0-12  'Type: C=0 Hydric Sol	Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2)	% 95	needed to documer Rec Color (moist) 7.5YR 4/6	overed or C  Matrix (S4) (S5)	Type' C	M M	Textus sit fo	re am PLocation: F ors for Prob ist Prairie R -Manganes	Remark PL=Pore Lining, Molematic Hydric Sedox (A16)	/i=Matrix
Profile Der Depth (Inches) 0-12  'Type: C=0 Hydric Sol Histos Histos Black	Color (moist) 7.5YR 3/2 Concentration, D=Deplet II Indicators:	% 95	needed to documer Rec Color (moist) 7.5YR 4/6  duced Matrix, CS=C Sandy Gleyed Sandy Redox	overed or C  Matrix (S4) (S5) (X (S6)	Type' C	M M	Textus sit fo	re am PLocation: F ors for Prob ist Prairie R -Manganes	PL=Pore Lining, Notematic Hydric Sedox (A16) e Masses (F12)	/i=Matrix
Profile Depth (Inches) 0-12  'Type: C=0 Hydric Sol Histos Histos Histos Histos Stratific Stratific	Concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5)	% 95	needed to documer Rec Color (moist) 7.5YR 4/6  duced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed	overed or C  Matrix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3)	Type' C Coated Sai	M M	Textus sit fo	re am PLocation: F ors for Prob ist Prairie R -Manganes	PL=Pore Lining, Notematic Hydric Sedox (A16) e Masses (F12)	/i=Matrix
Profile Depth (Inches) 0-12  Type: C=0 Hydric Sol Histos Histos Histos Histos Stratific 2 cm M	Matrix Color (moist) 7.5YR 3 / 2  Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10)	% 95 ion, RM=Re	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	overed or C  Matrix (S4) (S5) (x (S6) Mineral (F3) (x (F3)	Type' C Coated Sai	M M	Textus sit fo	re am PLocation: F ors for Prob ist Prairie R -Manganes	PL=Pore Lining, Notematic Hydric Sedox (A16) e Masses (F12)	Λ=Matrix
Profile Depth (Inches) 0-12  'Type: C=0 Hydric Sol Histos Histos Histos Histos Stratific 2 cm M	Color (moist) 7.5YR 3/2  Concentration, D=Deplet II Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) fluck (A10) ed Below Dark Surface (	% 95 ion, RM=Re	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	overed or C  Matrix (S4) (S5) (x (S6) Mineral (F1) Matrix (F3) (x (F3) Murface (F6)	Type' C Coated Sai	Loc² M	Indicate Coa Iron Othe	PLocation: For Problem Properties Prairie RManganes er (Explain i	PL=Pore Lining, Molematic Hydric Sedox (A16) e Masses (F12) in Remarks)	/l=Matrix Soils³:
Profile Depth (Inches) 0-12  'Type: C=0 Hydric Sol Histos Histos Histos Histos Histos Histos Deptet Thick I	Color (moist) 7.5YR 3/2  Concentration, D=Deplet Il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface (Dark Surface (A12)	% 95 ion, RM=Re	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Depleted Dark	overed or C  Matrix (S4) (S5) Mineral (F1 Matrix (F3) ix (F3) urface (F6) c Surface (F6)	Type' C Coated Sai	Loc² M	Textus sit to sit to	RLocation: Fors for Problem Prairie R -Manganes er (Explain in the property of the problem)	PL=Pore Lining, Molematic Hydric Sedox (A16) e Masses (F12) in Remarks)	/l=Matrix Soils³: and
Profile Des Depth (Inches) 0-12  'Type: C=0 Hydric Soil Histos Histos Histos Hydric S Stratific 2 cm M Deptet Thick I Sandy	Matrix Color (moist) 7.5YR 3 / 2  Concentration, D=Deplet (il Indicators: ol (A1) Epipedon (A2) Histic (A3) pen Sulfide (A4) ed Layers (A5) fluck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 95 ion, RM=Re	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	overed or C  Matrix (S4) (S5) Mineral (F1 Matrix (F3) ix (F3) urface (F6) c Surface (F6)	Type' C Coated Sai	Loc² M	Textus sit to sit to	RLocation: Fors for Problem Prairie R -Manganes er (Explain in the property of the problem)	PL=Pore Lining, Molematic Hydric Sedox (A16) e Masses (F12) in Remarks)	/l=Matrix Soils³: and
Profile Des Depth (Inches) 0-12  'Type: C=0 Hydric Soil Histose Histose Histose Histose Deptet Thick I Sandy 5 cm M	Color (moist) 7.5YR 3/2  Concentration, D=Deplet Il Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface (Dark Surface (A12)	% 95 ion, RM=Re	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Depleted Dark	overed or C  Matrix (S4) (S5) Mineral (F1 Matrix (F3) ix (F3) urface (F6) c Surface (F6)	Type' C Coated Sai	Loc² M	Textus sit fo	PLocation: Fors for Probast Prairie R -Manganes er (Explain in the control of the	PL=Pore Lining, Molematic Hydric Stedox (A16) e Masses (F12) in Remarks)	/l=Matrix Soils³: and
Profile Des Depth (Inches) 0-12  'Type: C=0 Hydric Sol Histos Histos Hydros Strain Deplet Thick I Sandy 5 cm M Restrictive	Matrix Color (moist) 7.5YR 3 / 2  Concentration, D=Deplet Indicators: Indicato	% 95 ion, RM=Re	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Depleted Dark	overed or C  Matrix (S4) (S5) Mineral (F1 Matrix (F3) ix (F3) urface (F6) c Surface (F6)	Type' C Coated Sai	Loc² M	Textus sit fo	PLocation: Fors for Probate Prairie Romanganes er (Explain or probate	PL=Pore Lining, Molematic Hydric Stedox (A16) e Masses (F12) in Remarks)  phytic vegetation by must be present?	/l=Matrix Soils³: and
Profile Des Depth (Inches) 0-12  'Type: C=0 Hydric Sol Histos Histos Hydrig Stratig 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 7.5YR 3 / 2  Concentration, D=Deplet II Indicators: ol (A1) Epipedon (A2) Histic (A3) Den Sulfide (A4) Ded Layers (A5) Muck (A10) Muck (A10) Mucky Mineral (S1) Mucky Peat or Peat (S3) Layer (If observed): inches):	%   95   	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark Redox Depres	overed or C  Matrix (S4) (S5) Mineral (F1 Matrix (F3) ix (F3) urface (F6) c Surface (F6)	Type' C Coated Sai	Loc²	Indicate Coa Iron Othe	PLocation: Fors for Problem Prairie Re-Manganes er (Explain in both bydrolog foil Presenting?	PL=Pore Lining, Notematic Hydric Stedox (A16) e Masses (F12) in Remarks)  phytic vegetation by must be present? Yes	/l=Matrix Soils³: and
Profile Des Depth (Inches) 0-12  'Type: C=0 Hydric Sol Histos Histos Hydrig Stratig 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 7.5YR 3 / 2  Concentration, D=Deplet Indicators: Indicato	%   95   	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark Redox Depres	overed or C  Matrix (S4) (S5) Mineral (F1 Matrix (F3) ix (F3) urface (F6) c Surface (F6)	Type' C Coated Sai	Loc²	Indicate Coa Iron Othe	PLocation: Fors for Problem Prairie Re-Manganes er (Explain in both bydrolog foil Presenting?	PL=Pore Lining, Molematic Hydric Stedox (A16) e Masses (F12) in Remarks)  phytic vegetation by must be present?	/l=Matrix Soils³: and
Profile Des Depth (Inches) 0-12  'Type: C=0 Hydric Sol Histos Histos Hydrig Stratig 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 7.5YR 3 / 2  Concentration, D=Deplet II Indicators: ol (A1) Epipedon (A2) Histic (A3) Den Sulfide (A4) Ded Layers (A5) Muck (A10) Muck (A10) Mucky Mineral (S1) Mucky Peat or Peat (S3) Layer (If observed): inches):	%   95   	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark Redox Depres	overed or C  Matrix (S4) (S5) Mineral (F1 Matrix (F3) ix (F3) urface (F6) c Surface (F6)	Type' C Coated Sai	Loc²	Indicate Coa Iron Othe	PLocation: Fors for Problem Prairie Re-Manganes er (Explain in both bydrolog foil Presenting?	PL=Pore Lining, Notematic Hydric Stedox (A16) e Masses (F12) in Remarks)  phytic vegetation by must be present? Yes	/l=Matrix Soils³: and
Profile Des Depth (Inches) 0-12  'Type: C=0 Hydric Sol Histos Histos Hydrig Stratig 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 7.5YR 3 / 2  Concentration, D=Deplet II Indicators: ol (A1) Epipedon (A2) Histic (A3) Den Sulfide (A4) Ded Layers (A5) Muck (A10) Muck (A10) Mucky Mineral (S1) Mucky Peat or Peat (S3) Layer (If observed): inches):	%   95   	duced Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark S Depleted Dark Redox Depres	overed or C  Matrix (S4) (S5) Mineral (F1 Matrix (F3) ix (F3) urface (F6) c Surface (F6)	Type' C Coated Sai	Loc²	Indicate Coa Iron Othe	PLocation: Fors for Problem Prairie Re-Manganes er (Explain in both bydrolog foil Presenting?	PL=Pore Lining, Notematic Hydric Stedox (A16) e Masses (F12) in Remarks)  phytic vegetation by must be present? Yes	/l=Matrix Soils³: and

	PAGE 2
	Sampling Date: 12-12-11 Sampling Point: SP59
d: check all that apply)	Secondary Indicators (minimum of two required)
☐ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
Aquatic Fauna (B13)	☑ Drainage Patterns (B10)
☐ True Aquatic Plants (B14)	Dry-Season Water Table (C2)
☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Presence of Reduced Iron (C4)	Geomorphic Position (D2)
Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)
☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Gauge or Well Data (D9)	
Other (Explain in Remarks)	
nches):	
nches):	
nches): Wetland Hydrology P	resent? Yes
:	
ary indicators.	
•	
	Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Gauge or Well Data (D9) Other (Explain in Remarks)

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #59 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DÖMINANT
Phalaris arundinacea	FACW	Herb	100	100%	Yes
		Herb			
		TDM=	100		
		Shrub/Sap		•	
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap		_	
		Shrub/Sap			
		Shrub/Sap			
		TDM=	0		
		Tree			-
		Tree			
•		Tree			
		Tree			
		TDM=	0		
		Vine			
		TDM=	0	-	

	<del></del>			<del> </del>	···			
, -	te: EVP010 Phase II		•	1 -	unty: Cham	ipaign Co.	1	Date: 12-12-11
• •	Owner: Everpower			State: C			,	Point: SP60
Investigat	or(s): BMF/KMH		·	<del></del>	, Township			
,	(hillslope, terrace, etc.):				ocal relief (		convex, none):	
Slope (%):		0.127117	Long: 8	3.63632			WGS 1984	iona
Soll Map U		44 44 1			//6		(I classification: N	vone
I	c/hydrologic conditions		_					
_	ation [], Soil [], or Hy							
Are vegeta	ation 🔲, Soil 🔲, or Hy	atology [	naturally problematic	r (ii neeu	eu, expiain	ally allswi	ers in Nemarks).	10
SUMMAR	RY FINDINGS - Attac	ch site ma	p showing sampl	ing point	locations	s, transe	cts, important	features, etc.
Hydrophyti	ic Vegetation Present?	Yes		is ti	ne Sampleo	d Area		
Hydric Soil	l Present?	Yes		with	nin a Wetla	nd? \	'es	
Wetland H	ydrology Present?	Yes		ŀ				
Remarks:	Wetland II. isolated					· · · · · · · · · · · · · · · · · · ·	<u>-</u>	
	·							
VEGETA	TION	ſU	SFWS Region No.	1 - Nort	heast Sub	-Region	}	
	- · · · · · · · · · · · · · · · · · · ·		t for listing of plant					ation
Percent of	Dominant Species that							
	alTest: 1 > 0 = Pass	,						
Prevalence								
, , ,	e muez – Hydrophytic plant comm	umitu araca	unt					
TOTAL	rydropriyde plant comm	turnty proces	111					
SOIL .			I RR- M		<u> </u>			
SOIL Profile Des	scription: (Describe to	the depth				onfirm the	absence of ind	icators.)
Profile Des Depth	Metrix		needed to documer	dox Featur	res			
Profile Des	Matrix Color (moist)	the depth	needed to documer Rec Color (moist)			onfirm the	absence of ind Texture silt loam	icators.) Remarks
Profile Des Depth (Inches)	Metrix	%	needed to documer	dox Featur %	res Type <sup>(</sup>	Loc²	Texture	
Profile Des Depth (Inches)	Matrix Color (moist)	%	Needed to documer   Rec   Color (molst)   7.5YR 5 / 8	dox Featur % 5	res Type <sup>i</sup> C	Loc² M	Texture	
Profile Des Depth (Inches)	Matrix Color (moist)	%	Needed to documer   Rec   Color (molst)   7.5YR 5 / 8	dox Featur % 5	res Type <sup>i</sup> C	Loc² M	Texture	
Profile Des Depth (Inches)	Matrix Color (moist)	%	Needed to documer   Rec   Color (molst)   7.5YR 5 / 8	dox Featur % 5	res Type <sup>i</sup> C	Loc² M	Texture	
Profile Des Depth (Inches)	Matrix Color (moist)	%	Needed to documer   Rec   Color (molst)   7.5YR 5 / 8	dox Featur % 5	res Type <sup>i</sup> C	Loc² M	Texture	
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 7.5YR 3/2	93	needed to documer Rec Color (moist) 7.5YR 5 / 8 7.5YR 6 / 6	dox Featur % 5 2	res Type C C	Loc² M M	Texture silt loam	Remarks
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 7.5YR 3 / 2  Concentration, D=Deplet	93	needed to documer Rec Color (moist) 7.5YR 5 / 8 7.5YR 6 / 6	dox Featur % 5 2	res Type C C	Loc² M M Grains	Texture silt loam	Remarks  Remarks
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi	Matrix Color (moist) 7.5YR 3/2 Concentration, D=Deplet	93	needed to documer Rec Color (moist) 7.5YR 5 / 8 7.5YR 6 / 6	dox Feature % 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	res Type C C C C	Loc² M M Grains	Texture silt loam  2Location	Remarks
Profile De: Depth (Inches) 0-12  'Type: C=C Hydric Soi Histosc Histosc	Matrix Color (moist) 7.5YR 3/2  Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2)	93	Reded to document Red Color (moist) 7.5YR 5 / 8 7.5YR 6 / 6  educed Matrix, CS=C  Sandy Gleyed Sandy Redox	dox Feature % 5 2 Covered or d Matrix (S	res Type C C C C	Loc² M M Grains	Texture silt loam  2Location Indicators for P Coast Prairie Iron-Mangar	Remarks  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12)
Profile De: Depth (Inches) 0-12  Type: C=C Hydric Soi Histose Black H	Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3)	93	educed Matrix, CS=C  Sandy Redox  Stripped Matr	dox Feature % 5 2 Covered or d Matrix (S	Type <sup>l</sup> C C C C Coated Sai	Loc² M M Grains	Texture silt loam  2Location Indicators for P Coast Prairie Iron-Mangar	Remarks  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16)
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histor Black H Hydrog	Concentration, D=Deplet II Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4)	93	educed Matrix, CS=C  Sandy Redox Stripped Matr Loamy Mucky	dox Feature % 5 2 Covered or d Matrix (Single (S5) ix (S6) / Mineral (iii	res Type¹ C C C C Coated Sai	Loc² M M Grains	Texture silt loam  2Location Indicators for P Coast Prairie Iron-Mangar	Remarks  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12)
Type: C=C Hydric Soi Histoc Black H Hydrog Stratific	Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3)	93	educed Matrix, CS=C  Sandy Redox  Stripped Matr	dox Feature % 5 2 Covered or d Matrix (Single (S5) ix (S6) / Mineral (Id Matrix (Fig. 1) Matrix (Fig. 2)	res Type¹ C C C C Coated Sai	Loc² M M Grains	Texture silt loam  2Location Indicators for P Coast Prairie Iron-Mangar	Remarks  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12)
Type: C=C Hydric Soi Histoc Black H Hydrog Stratific 2 cm M Deplete	Color (moist) 7.5YR 3/2  Concentration, D=Depleting indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface	93 tion, RM=R	educed Matrix, CS=C Sandy Redox Stripped Matr Loamy Mucky Loamy Gleye Depleted Mat Redox Dark S	covered or d Matrix (S ix (S6) / Mineral (I d Matrix (F3) Surface (F6)	Coated Sau	Loc <sup>2</sup> M M	²Locatior Indicators for P Coast Prairie Iron-Mangar Other (Expla	Remarks  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) kin in Remarks)
Type: C=C Hydric Soi Histor Black Hydrog Stratific 2 cm M Deplete Thick D	Color (moist) 7.5YR 3/2 7.5YR 3/2 Concentration, D=Depleting Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface Dark Surface (A12)	93 tion, RM=R	educed Matrix, CS=C  Sandy Redox Stripped Matr Loamy Mucky Loamy Gleye Depleted Mat Redox Dark S Depleted Dari	covered or d Matrix (S (S5) / Mineral () d Matrix (F3) Surface (F6) k Surface (F6)	Coated Sau  (F1)  (F7)	Loc <sup>2</sup> M M	al_ocation  al_oca	Remarks  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) sin in Remarks)
Type: C=C Hydric Soi Histor Stratific 2 cm N Deplete Thick D Sandy	Color (moist) 7.5YR 3/2 7.5YR 3/2 Concentration, D=Depleting Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1)	93 tion, RM=R	educed Matrix, CS=C Sandy Redox Stripped Matr Loamy Mucky Loamy Gleye Depleted Mat Redox Dark S	covered or d Matrix (S (S5) / Mineral () d Matrix (F3) Surface (F6) k Surface (F6)	Coated Sau  (F1)  (F7)	Loc <sup>2</sup> M M	al_ocation  al_oca	Remarks  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) kin in Remarks)
Type: C=C Hydric Soi Histos Hydrog Stratific 2 cm M Deplete Thick C Sandy 5 cm M	Color (moist) 7.5YR 3/2 7.5YR 3/2 Concentration, D=Depleting Indicators: of (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface Dark Surface (A12)	93 tion, RM=R	educed Matrix, CS=C  Sandy Redox Stripped Matr Loamy Mucky Loamy Gleye Depleted Mat Redox Dark S Depleted Dari	covered or d Matrix (S (S5) / Mineral () d Matrix (F3) Surface (F6) k Surface (F6)	Coated Sau  (F1)  (F7)	Loc <sup>2</sup> M M	*Location  a*Location  a*Location  Indicators for P  Coast Praini Iron-Mangar Other (Explain  Other (Explain  Pindicators of hywelland hydro	Remarks  Remarks  Remarks  Remarks  Remarks  Redox (A16) Rese Masses (F12) Remarks  Remarks  Remarks
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratific 2 cm M Deplete Thick C Sandy 5 cm M Restrictive Type:	Matrix Color (moist) 7.5YR 3/2  Concentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Histic (A3) Histic (A3) Histic (A3) Histic (A10) Histic (A3) His	93 tion, RM=R	educed Matrix, CS=C Sandy Redox Stripped Matr Loamy Mucky Loamy Gleye Depleted Mat Redox Dark S Depleted Dari	covered or d Matrix (S (S5) / Mineral () d Matrix (F3) Surface (F6) k Surface (F6)	Coated Sau  (F1)  (F7)	Loc <sup>2</sup> M M	Texture silt loam  2 Location Indicators for P Coast Praini Iron-Mangar Other (Expla	Remarks  Remarks  Remarks  Remarks  Remarks  Remarks  Remarks  Redox (A16) Rese Masses (F12) Rese Masses (F12) Remarks  Remarks  Remarks  Remarks  Remarks
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratific 2 cm M Deplete Thick C Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 7.5YR 3/2 7.5YR 3/2 Concentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) E Layer (if observed): (inches):	% 93   93   	Reded to document Red Color (moist)  7.5YR 5 / 8  7.5YR 6 / 6  Color (moist)  7.5YR 6 / 6  Color (moist)  Color (moist)  Color (moist)  Color (moist)  Color (moist)  Sandy Redox  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loamy Mucky  Loamy Mucky  Loamy Mucky  Depleted Mat  Redox Dark S  Depleted Dari  Redox Depres	covered or d Matrix (S (S5) / Mineral () d Matrix (F3) Surface (F6) k Surface (F6)	Coated Sau  (F1)  (F7)	Loc² M M M	Texture silt loam  2 ocation indicators for P Coast Prairie Iron-Mangar Other (Explair) Verificators of hydrowetland hydromyddicators Hydric Soil Pressoil pit dug?	Remarks  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) nin in Remarks)  drophytic vegetation and plogy must be present.  sent? Yes
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratific 2 cm M Deplete Thick C Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 7.5YR 3/2  Concentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Histic (A3) Histic (A3) Histic (A3) Histic (A10) Histic (A3) His	% 93   93   	Reded to document Red Color (moist)  7.5YR 5 / 8  7.5YR 6 / 6  Color (moist)  7.5YR 6 / 6  Color (moist)  Color (moist)  Color (moist)  Color (moist)  Color (moist)  Sandy Redox  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loamy Mucky  Loamy Mucky  Loamy Mucky  Depleted Mat  Redox Dark S  Depleted Dari  Redox Depres	covered or d Matrix (S (S5) / Mineral () d Matrix (F3) Surface (F6) k Surface (F6)	Coated Sau  (F1)  (F7)	Loc² M M M	Texture silt loam  2 Location Indicators for P Coast Praini Iron-Mangar Other (Expla	Remarks  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) nin in Remarks)  drophytic vegetation and plogy must be present.  sent? Yes
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratific 2 cm M Deplete Thick C Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 7.5YR 3/2 7.5YR 3/2 Concentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histic (A3) Gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) E Layer (if observed): (inches):	% 93   93   	Reded to document Red Color (moist)  7.5YR 5 / 8  7.5YR 6 / 6  Color (moist)  7.5YR 6 / 6  Color (moist)  Color (moist)  Color (moist)  Color (moist)  Color (moist)  Sandy Redox  Sandy Gleyer  Sandy Redox  Stripped Matrix  Loamy Mucky  Loamy Mucky  Loamy Mucky  Depleted Mat  Redox Dark S  Depleted Dari  Redox Depres	covered or d Matrix (S (S5) / Mineral () d Matrix (F3) Surface (F6) k Surface (F6)	Coated Sau  (F1)  (F7)	Loc² M M M	Texture silt loam  2 ocation indicators for P Coast Prairie Iron-Mangar Other (Explair) Verificators of hydrowetland hydromyddicators Hydric Soil Pressoil pit dug?	Remarks  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : e Redox (A16) nese Masses (F12) nin in Remarks)  drophytic vegetation and plogy must be present.  sent? Yes

		PAGE 2
		Sampling Date: 12-12-11 Sampling Point: SP60
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is	s required: check all that apply)	Secondary Indicators (minimum of two required)
☑ Surface Water (A1)	☐ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
Saturation (A3)	True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	Presence of Reduced Iron (C4)	Geomorphic Position (D2)
☐ Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)
☐ Iron Deposits (B5)	Thin Muck Surface (C7)	☐ Other (Explain in Remarks)
Inundation Visible on Aerial Image	ry (B7) Gauge or Well Data (D9)	•
Sparsely Vegetated Concave Surfa	ace (B8)	
Field Observations:		
Surface Water Present? Yes	Depth (Inches): 6	
Water Table Present? No	Depth (Inches):	
Saturation Present? Yes (includes capillary fringe)	Depth (Inches): surface Wetland Hydrology P	resent? Yes
Recorded Data (Describe in Re	emarks):	
<ul><li>☐ Stream, Lake, or Tide Gaug</li><li>☐ Aerial Photographs</li><li>☐ Other</li></ul>	ge ·	
─ No Recorded Data		
Remarks: Hydrology is present by two	primary indicators and two secondary indicators.	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #60 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Boshmeria cylindrica	FACW	Herb	98	98%	Yes
Setaria faberi	UPL	Herb	2	2%	
		Herb			
		Herb	-		
		Herb			
· · ·		Herb			
		TDM=	100		
		Shrub/Sap			, ,
		Shrub/Sap			
	<u> </u>	Shrub/Sap			
		Shrub/Sap			
		TDM=	0		
		Tres			
		Tree			
		Tree		<del>-</del>	
		Tree			,
		Tree			
	7	TDM=	0		
	<u> </u>	Vine			
		Vine	······································		
		Vine			
		Vine TDM=	0		

				T				
Project/Si	te: EVP010 Phase I			City/Cour	nty: Cham	paign Co	. Sampling	g Date: 12/13/11
Applicant	/Owner: Everpower			State: OH	ł		Sampling	g Point: SP62
Investigat	or(s): BMF/KMH			Section, 1	Township,	Range:		
Landform	(hillslope, terrace, etc.):	depression	- · · · · · · · · · · · · · · · · · · ·	Loc	cal relief (c	oncave,	convex, none): c	oncave
Slope (%):	2-6 Lat: 40.14	4236	Long: 83,90	422	Da	itum: WO	SS 1984	•
Soil Map L	Jnit Name: Mlami silt loa	am				NV	VI classification: i	PEM1A
Are climati	c/hydrologic conditions	on the site t	ypical for this time of	year? Yes	(if no, ex	olain in l	Remarks.)	
Are Vegeta	ation 🔲, Soil 🔲, or Hy	drology 🔲	significantly disturbe	ed? Are "No	rmal Circu	mstance	s" present? Ye	9S
	ation [], Soil [], or Hy							No
SUMMAF	RY FINDINGS Attac	ch site ma	p showing sampli	ing point l	ocations	, transe	ects, importan	t teatures, etc.
Hydrophyt	ic Vegetation Present?	Yes		Is the	Sampled	Area		
Hydric Soi		Yes		withir	n a Wetlan	d? `	Yes	
1 -	ydrology Present?	Yes						
AActiguta Li	yurology i resente	1 63						
Remarks:	Wetland JJ, non-isolated	NWI eme	gent wetland, 12 flag	5		-		
<u> </u>				·				
VEGETA	TION	(U	SFWS Region No.	1 - Northe	east Sub-	Region	)	
	See atta	ched shee	t for listing of plant :	species and	d identifica	ation of	dominant veget	ation
Percent of	Dominant Species that	are OBL, F	ACW or FAC: (excludi	ing FAC-) =	5/5 = 100	%	-	
FAC Neutr	al Test: 3 > 0 = Pass							
Prevalence								
		10 1						
Remarks:	Hydrophytic plant comm	liniiv is ore:	CANT					
SOIL			LRR: M		4			
Profile De	scription: (Describe to		LRR: M			ifirm the	absence of ind	icators.)
	scription: (Describe to Matrix Color (moist)		LRR: M	nt the indication Features		nfirm the	absence of ind	licators.)
Profile De: Depth (Inches) 0-1	Matrix Color (moist) 10YR 2 / 1	the depth	LRR: M needed to documen Rec Color (moist)	lox Features %	s Type <sup>i</sup>	Loca	Texture organic	Remarks
Profile De Depth (Inches)	Matrix Color (moist)	the depth	LRR: M needed to documen Red	lox Features	8		Texture	
Profile De: Depth (Inches) 0-1	Matrix Color (moist) 10YR 2 / 1	the depth	LRR: M needed to documen Rec Color (moist)	lox Features %	s Type <sup>i</sup>	Loca	Texture organic	Remarks
Profile De: Depth (Inches) 0-1	Matrix Color (moist) 10YR 2 / 1	the depth	LRR: M needed to documen Rec Color (moist)	lox Features %	s Type <sup>i</sup>	Loca	Texture organic	Remarks
Profile De: Depth (Inches) 0-1	Matrix Color (moist) 10YR 2 / 1	the depth	LRR: M needed to documen Rec Color (moist)	lox Features %	s Type <sup>i</sup>	Loca	Texture organic	Remarks
Profile De: Depth (Inches) 0-1	Matrix Color (moist) 10YR 2 / 1	the depth	LRR: M needed to documen Rec Color (moist)	lox Features %	s Type <sup>i</sup>	Loca	Texture organic	Remarks
Profile De Depth (Inches) 0-1 1-10	Matrix Color (moist) 10YR 2/1 10YR 4/1	% 100 90	LRR: M needed to documer Rec Color (moist) 7.5YR 5 / 6	dox Features % 10	S Type C	Loc <sup>2</sup>	Texture organic silty clay	Remarks
Profile De Depth (Inches) 0-1 1-10	Matrix Color (moist) 10YR 2/1 10YR 4/1	% 100 90	LRR: M needed to documer Rec Color (moist) 7.5YR 5 / 6	dox Features % 10	S Type C	M M	Texture organic silty clay	Remarks saturated saturated  PL=Pore Lining, M=Matrix
Profile De Depth (Inches) 0-1 1-10	Matrix Color (moist) 10YR 2/1 10YR 4/1  concentration, D=Deplet	% 100 90	LRR: M needed to documer Rec Color (moist) 7.5YR 5 / 6	dox Features % 10 10 overed or Ce	Type <sup>i</sup> C	M M	Texture organic silty clay  alpha al	Remarks saturated saturated  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>5</sup> :
Profile De Depth (Inches) 0-1 1-10  'Type: C=0 Hydric Soi	Matrix Color (moist) 10YR 2/1 10YR 4/1 10YR 4/1	% 100 90	LRR: M needed to documer Rec Color (moist) 7.5YR 5 / 6	dox Features % 10 10 overed or Ce Matrix (S4)	Type <sup>i</sup> C	M M	Texture organic silty clay  **Location Indicators for P Coast Prairie	Remarks saturated saturated  PL=Pore Lining, M=Matrix
Profile De Depth (Inches) 0-1 1-10  Type: C=C Hydric Soi Histor	Matrix Color (moist) 10YR 2/1 10YR 4/1 10YR 4/1  concentration, D=Deplet Indicators: of (A1) Epipedon (A2)	% 100 90	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  document Color (moist)  7.5YR 5 / 6  Sandy Gleyed Sandy Redox	overed or Co  Matrix (S4) (S5)	Type <sup>i</sup> C	M M	Texture organic silty clay  **Location Indicators for P Coast Prairie Iron-Mangar	Remarks  saturated  saturated  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : a Redox (A16)
Profile De Depth (Inches) 0-1 1-10  Type: C=0 Hydric Soi Histor	Matrix Color (moist) 10YR 2/1 10YR 4/1 10YR 4/1	% 100 90	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  duced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matrix	overed or Co  Matrix (S4) (S5) x (S6)	Type <sup>i</sup> C  coated Sance	M M	Texture organic silty clay  **Location Indicators for P Coast Prairie Iron-Mangar	Remarks  saturated  : PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : a Redox (A16) nese Masses (F12)
Profile De Depth (Inches) 0-1 1-10  Type: C=0 Hydric Soi Histoc Histoc Hydrog	Matrix Color (moist) 10YR 2/1 10YR 4/1 10YR 4/1 concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3)	% 100 90	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  document Color (moist)  7.5YR 5 / 6  Sandy Gleyed Sandy Redox	overed or Co  Matrix (S4) (S5) x (S6) Mineral (F1	Type C C oated Sanc	M M	Texture organic silty clay  **Location Indicators for P Coast Prairie Iron-Mangar	Remarks  saturated  : PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : a Redox (A16) nese Masses (F12)
Profile De Depth (Inches) 0-1 1-10  Type: C=C Hydric Soi Histose Histose Hydrog Stratifie 2 cm M	Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  Concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ad Layers (A5) fuck (A10)	the depth % 100 90  ion, RM=Re	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  document Color (moist)  7.5YR 5 / 6  Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri	overed or Co  Matrix (S4) (S5) x (S6) Mineral (F1 I Matrix (F3) ix (F3)	Type C C oated Sanc	M M	Texture organic silty clay  **Location Indicators for P Coast Prairie Iron-Mangar	Remarks  saturated  : PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : a Redox (A16) nese Masses (F12)
Profile De Depth (Inches) 0-1 1-10  Type: C=C Hydric Soi Histose Histic I Black I Hydrog Stratifie 2 cm N Deplet	Matrix Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  Concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ad Layers (A5) fuck (A10) ad Below Dark Surface (A1)	the depth % 100 90  ion, RM=Re	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  adduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Si	overed or Co  Matrix (S4) (S5) x (S6) Mineral (F1 I Matrix (F3) ix (F3) urface (F6)	Type C C oated Sand	M M	Texture organic silty clay   **Location Indicators for P Coast Prairie Iron-Mangar Other (Expla	Remarks  saturated  saturated  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : a Redox (A16) nese Masses (F12) lin in Remarks)
Profile De Depth (Inches) 0-1 1-10  'Type: C=C Hydric Soi Histose Histose Histose Hydrog Stratifie 2 cm N Deplet Thick I	Matrix Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  Concentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ad Layers (A5) fuck (A10) ed Below Dark Surface (Dark Surface (A12)	the depth % 100 90  ion, RM=Re	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  adduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Si Depleted Dark	overed or Co Matrix (S4) (S5) x (S6) Mineral (F1) Matrix (F3) ix (F3) urface (F6) Surface (F6)	Type C C oated Sand	M M	Texture organic sity clay	Remarks  saturated  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : a Redox (A16) nese Masses (F12) nin in Remarks)
Profile De Depth (Inches) 0-1 1-10  'Type: C=0 Hydric Soi Histose Histose Histose Hydrog Stratifie 2 cm N Deplet Thick I Sandy	Matrix Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  Concentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ad Layers (A5) fuck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	the depth % 100 90  ion, RM=Re	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  adduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Si	overed or Co Matrix (S4) (S5) x (S6) Mineral (F1) Matrix (F3) ix (F3) urface (F6) Surface (F6)	Type C C oated Sand	M M	Texture organic sity clay	Remarks  saturated  saturated  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : a Redox (A16) nese Masses (F12) lin in Remarks)
Profile Depth (Inches) 0-1 1-10  'Type: C=0 Hydric Soi Histose Histose Hydrog Stratifie 2 cm M Deptet Thick I Sandy 5 cm M	Matrix Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  Concentration, D=Deplet Indicators: of (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ad Layers (A5) fuck (A10) ed Below Dark Surface (Dark Surface (A12)	the depth % 100 90  ion, RM=Re	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  adduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Si Depleted Dark	overed or Co Matrix (S4) (S5) x (S6) Mineral (F1) Matrix (F3) ix (F3) urface (F6) Surface (F6)	Type C C oated Sand	M M	Texture organic sity clay	Remarks  saturated  n: PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>3</sup> : a Redox (A16) nese Masses (F12) nin in Remarks)
Profile De: Depth (Inches) 0-1 1-10  'Type: C=C Hydric Soi Histos: Histos: Histos: Stratigi 2 cm M Deplet Thick I Sandy Sandy Straticive Type:	Matrix Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  10YR 4/1  concentration, D=Deplet in Indicators:  of (A1)  Epipedon (A2) Histlic (A3)  gen Sulfide (A4)  ed Layers (A5)  Muck (A10)  ed Below Dark Surface (Dark Surface (A12)  Mucky Mineral (S1)  fucky Peat or Peat (S3)  e Layer (if observed):	the depth % 100 90  ion, RM=Re	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  adduced Matrix, CS=Color Sandy Gleyed Sandy Redox Stripped Matri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Si Depleted Dark	overed or Co Matrix (S4) (S5) x (S6) Mineral (F1) Matrix (F3) ix (F3) urface (F6) Surface (F6)	Type C C oated Sand	M Grains	Texture organic silty clay  **Location Indicators for P Coast Prairie Iron-Mangar Other (Expla	Remarks  saturated  saturated  PL=Pore Lining, M=Matrix roblematic Hydric Soils*: a Redox (A16) nese Masses (F12) nin in Remarks)  drophytic vegetation and ology must be present.
Profile De Depth (Inches) 0-1 1-10	Matrix Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  10YR 4/1  concentration, D=Deplet in Indicators:  of (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) ELayer (if observed): inches):	the depth  % 100 90  ion, RM=R6	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  advantage    Sandy Gleyed   Sandy Redox   Stripped Matri Loamy Mucky   Loamy Gleyed   Depleted Matri Redox Dark Si   Depleted Dark   Redox Depres	overed or Co Matrix (S4) (S5) x (S6) Mineral (F1) Matrix (F3) ix (F3) urface (F6) Surface (F6)	Type C C oated Sand	M Grains	Texture organic silty clay  **Location Indicators for P Coast Prairie Iron-Mangar Other (Explain Sindicators of hydrocators of	Remarks  saturated  saturated  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>5</sup> : a Redox (A16) nese Masses (F12) nin in Remarks)  drophytic vegetation and ology must be present.
Profile De Depth (Inches) 0-1 1-10	Matrix Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  10YR 4/1  concentration, D=Deplet in Indicators:  of (A1)  Epipedon (A2) Histlic (A3)  gen Sulfide (A4)  ed Layers (A5)  Muck (A10)  ed Below Dark Surface (Dark Surface (A12)  Mucky Mineral (S1)  fucky Peat or Peat (S3)  e Layer (if observed):	the depth  % 100 90  ion, RM=R6	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  advantage    Sandy Gleyed   Sandy Redox   Stripped Matri Loamy Mucky   Loamy Gleyed   Depleted Matri Redox Dark Si   Depleted Dark   Redox Depres	overed or Co Matrix (S4) (S5) x (S6) Mineral (F1) Matrix (F3) ix (F3) urface (F6) Surface (F6)	Type C C oated Sand	M Grains	Texture organic silty clay  **Location Indicators for P Coast Prairie Iron-Mangar Other (Expla	Remarks  saturated  saturated  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>5</sup> : a Redox (A16) nese Masses (F12) nin in Remarks)  drophytic vegetation and ology must be present.
Profile De Depth (Inches) 0-1 1-10	Matrix Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  10YR 4/1  concentration, D=Deplet in Indicators:  of (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) ELayer (if observed): inches):	the depth  % 100 90  ion, RM=R6	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  advantage    Sandy Gleyed   Sandy Redox   Stripped Matri Loamy Mucky   Loamy Gleyed   Depleted Matri Redox Dark Si   Depleted Dark   Redox Depres	overed or Co Matrix (S4) (S5) x (S6) Mineral (F1) Matrix (F3) ix (F3) urface (F6) Surface (F6)	Type C C oated Sand	M Grains	Texture organic silty clay  **Location Indicators for P Coast Prairie Iron-Mangar Other (Explain Sindicators of hydrocators of	Remarks  saturated  saturated  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>5</sup> : a Redox (A16) nese Masses (F12) nin in Remarks)  drophytic vegetation and ology must be present.
Profile De Depth (Inches) 0-1 1-10	Matrix Color (moist)  10YR 2/1  10YR 4/1  10YR 4/1  10YR 4/1  concentration, D=Deplet in Indicators:  of (A1) Epipedon (A2) Histle (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) ELayer (if observed): inches):	the depth  % 100 90  ion, RM=R6	LRR: M  needed to document Rec Color (moist)  7.5YR 5 / 6  advantage    Sandy Gleyed   Sandy Redox   Stripped Matri Loamy Mucky   Loamy Gleyed   Depleted Matri Redox Dark Si   Depleted Dark   Redox Depres	overed or Co Matrix (S4) (S5) x (S6) Mineral (F1) Matrix (F3) ix (F3) urface (F6) Surface (F6)	Type C C oated Sand	M Grains	Texture organic silty clay  **Location Indicators for P Coast Prairie Iron-Mangar Other (Explain Sindicators of hydrocators of	Remarks  saturated  saturated  PL=Pore Lining, M=Matrix roblematic Hydric Soils <sup>5</sup> : a Redox (A16) nese Masses (F12) nin in Remarks)  drophytic vegetation and ology must be present.

			PAGE : Sampling Date: 12/13/11
			Sampling Point: SP62
HYDROLOGY			
Wetland Hydrology Indicators: Primary Indicators (minimum of one i	is required	: check all that apply)	Secondary Indicators (minimum of two required)
⊠ Surface Water (A1)		☑ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)
☐ High Water Table (A2)		Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
☑ Saturation (A3)		True Aquatic Plants (B14)	Dry-Season Water Table (C2)
☑ Water Marks (B1)		☐ Hydrogen Suifide Odor (C1)	☐ Crayfish Вилоws (С8)
Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	•	Presence of Reduced Iron (C4)	☑ Geomorphic Position (D2)
Algal Mat or Crust (B4)		Recent Iron Reduction in Tilled Soils (C6)	
☐ Iron Deposits (B5)		☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
Inundation Visible on Aerial Image	jery (B7)	☐ Gauge or Well Data (D9)	
Sparsely Vegetated Concave Sur	rface (B8)	Other (Explain in Remarks)	
Field Observations:		A STATE OF THE STA	
Surface Water Present? Yes	Depth (In	ches): 3	
Water Table Present? No	Depth (In-	ches):	
Saturation Present? Yes (Includes capillary fringe)	Depth (In	nches): surface Wetland Hydrology Pr	resent? Yes
☐ Recorded Data (Describe in R ☐ Stream, Lake, or Tide Gau ☐ Aerial Photographs ☐ Other	•		
No Recorded Data			
Remarks: Hydrology present - four pr	rimary indic	ators and one secondary indicator	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #62 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Aster lateriflorus	FACW	Herb	20	95%	Yes
Cinna arundinacea	FACW+	Herb	1	5%	
		Herb			
	_	Herb			
		TDM=	21		
Salix exigua	OBL	Shrub/Sap	50	100%	Yes
		Shrub/Sap			
		Shrub/Sap			•
		Shrub/Sap			•
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			
		TDM=	50		
raxinus pennsylvanica	FACW	Tree	20	33%	Yes
Acer rubrum	FAC	Tres	20	33%	Yes
opulus deltoides	FAC	Tree	20	33%	Yes
		Tree			
	· · · · · · · · · · · · · · · · · · ·	TDM=	60		
		Vine			<del></del>
	<u> </u>	Vine	·		
		Vine			
		Vine			
		TDM=	0		

<u>;                                    </u>								
-	ite: EVP010 Phase I			_	nty: Cham	ipaign Co	1 ,	Date: 12/13/11
1	l/Owner: Everpower			State: Of			, , ,	Point: SP63
Investigat	tor(s): BMF/KMH	<u> </u>	·		Township		<del></del>	
Landform	(hillslope, terrace, etc.):			l l			convex, none):	
Slope (%):			Long: 83.5	8023	. [		GS 1984	
	Unit Name: Brookston sil						VI classification: P	PFO1A, PSS1C
	ic/hydrologic conditions o	_						
H -	ation 🔲, Soil 🔲, or Hyd							
Are Veget	ation 🔲, Soil 🔲, or Hyd	rology 🔲 r	naturally problematic	? (If neede	d, explain	any ansv	ers in Remarks).I	No
SUMMAI	RY FINDINGS - Attac	h site ma	p showing sampli	ing point	locations	s, transe	ects, important	features, etc.
Hydrophyl	tic Vegetation Present?	Yes		ls th	e Sampled	i Area		
	il Present?	Yes			in a Wetlai		Yes	
1 -				171011			,	
Wetland F	Hydrology Present?	Yes			•			
Remarks:	Wetland KK, forrested N	WI wetland,	non-isolated, 12 flag	js				
							·	
VEGETA	TION	(US	FWS Region No.	1 - North	east Sub	-Region	1)	
			for listing of plant					ation
Percent of	f Dominant Species that a							······································
	ral Test: 6 > 0 = Pass			,		-		
. ,								
Prevalenc								
Remarks:	Hydrophytic community i	s present				<del> </del>		
SOIL		eli a da sella	LRR: M	446 - 1-41-		Al-	s shoomes of lad	Inches \
Depth	escription: (Describe to Matrix	tne geptn		tox Feature		unitin cis	absence of mu	icators.)
(Inches)	Color (moist)	%	Color (moist)	%	Type <sup>i</sup>	Loc²	Texture	Remarks
0-1	10YR 2/1	100	7.575.570	100		<u> </u>	organic	Organic - A0
1-4 4-12	10YR 4/2 2.5Y5/2	80 85	7.5YR 5/6 10YR 5/6	20 15	C	M	silty clay	saturated
4-12	2.515/2	65	1018 5/6	13	-	101	Saty Clay	Saturation
					<u></u>	·		
				<u> </u>		<u> </u>		
Tuno C-C	Concentration, D=Deplet	on DM=De	duced Matrix CS=C	overed or (	Costed Sar	d Grains	<sup>2</sup> i ocation	: PL=Pore Lining, M=Matrix
	oncemation, b-beplet oil Indicators:	ION, KWI-KE	duced Matrix, CO-C	046160 01 1	JUBIEU CAI	io Otalina		roblematic Hydric Soils <sup>3</sup> :
	sol (A1)		Sandy Gleyed	Matrix (S4	<b>!</b> )			Redox (A16)
* =	Epipedon (A2)		Sandy Redox					ese Masses (F12)
	Histic (A3)		Stripped Matri					in in Remarks)
= '	gen Sulfide (A4)		Loamy Mucky Loamy Gleyed					•
	led Layers (A5) Muck (A10)		Depleted Matr	•	"		•	
. =	ted Below Dark Surface (	A11)	Redox Dark S		)			•
'	Dark Surface (A12)	•	Depleted Dark	•	<del>-</del> 7)		•	frophytic vegetation and
				(EQ)			wetland hydro	logy must be present.
☐ Sandy	Mucky Mineral (S1)		☐ Redox Depres	sions (Fo)				
Sandy	Mucky Peat or Peat (S3)		☐ Redox Depres	ssions (Fo)		<del></del>		
Sandy 5 cm N Restrictive			☐ Redox Depres	ssions (Fo)			Hydric Soil Pres	ent? Yes
Sandy 5 cm N Restrictive Type:	Mucky Peat or Peat (S3)		∐ Redox Depres	ssions (Fo)			Hydric Soil Pres Soil pit dug?	ent? Yes Yes
Sandy 5 cm N Restrictive Type: Depth:	Mucky Peat or Peat (S3) e Layer (if observed):	icator F3-D		ssions (Fo)			•	Yes
Sandy 5 cm N Restrictive Type: Depth:	Mucky Peat or Peat (S3) e Layer (if observed): (inches):	icator F3-D					Soil pit dug?	Yes
Sandy 5 cm N Restrictive Type: Depth:	Mucky Peat or Peat (S3) e Layer (if observed): (inches):	icator F3-D		ssions (ro)			Soil pit dug?	Yes

		PAGE 2
		Sampling Date: 12/13/11 Sampling Point: SP63
HYDROLOGY		
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required	: check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	☐ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☑ High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
Saturation (A3)	True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B2)	Presence of Reduced Iron (C4)	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Recent iron Reduction in Tilled Soils (C6)	☑ FAC-Neutral Test (D5)
lron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations:  Surface Water Present? No Depth (in Water Table Present? Yes Depth (In	·	
Saturation Bracont2 Vac	•	resent? Yes
Recorded Data (Describe in Remarks):   Stream, Lake, or Tide Gauge   Aerial Photographs   Other   No Recorded Data   Remarks: Hydrology is present - two primary incomes		·

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #53 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Agrostis stotonifera	FACW	Herb	60	60%	Yes
Cinna arundinacea	FACW+	Herb	5	5%	
Aster lateriflorus	FACW-	Herb	5	5%	
Glyceria striata	OBL	Herb	30	30%	Yes
		Herb			
		Herb			····
		Herb			
		Herb		· · · · · · · · · · · · · · · · · · ·	
		Herb			
<del></del>		Herb			
		TDM=	100		
Fraxinus pennsylvanica	FACW	Shrub/Sap	10	23%	Yes
Cephalanthus occidentalis	OBL	Shrub/Sap	2	4%	
Sambucus canadensis	FACW-	Shrub/Sap	5	12%	<u> </u>
Comus amomum	FACW	Shrub/Sap	10	23%	Yes
Carya laciniosa	FAC	Shrub/Sap	11	2%	
Toxicodendron radicans	FAC	Shrub/Sap	10	23%	Yes
Lindera benzoin	FACW-	Shrub/Sap	5	12%	
		Shrub/Sap			
		Shrub/Sap			
		Shrub/Sap			
		TDM=	43		
Fraxinus pennsylvanica	FACW	Tree	30	67%	Yes
Quercus bicolor	FACW+	Tree	15	33%	Yes
		Tree			
		TDM=	45		
		Vine			
		TDM=	0		

				A11 10				annella e P	nto. 40 40 44	
-	e: EVP010 Phase II				nty: Charr	ipaign Co		· -	ate: 12-13-11	
1	Owner: Everpower			State: Of	_	. <b>D</b>		iampling Po	JIAT: 5₽ <b>64</b>	
Investigate		<del>.</del>			Township					
	hillslope, terrace, etc.):	400001	, -	- 1	cal relief (d		convex, t n: WGS 1			
Slope (%):		.130271	Long: 8	3.589993				1964 Ication: Non		
Soil Map U		41		vana Var	. /if no o				le .	
	c/hydrologic conditions o									
	ition 🔲, Soil 🔲, or Hyd									
Are Vegeta	ition 🔲, Soil 🔲, or Hyd	irology 🗀 i	naturally problematic	(II neede	d, explain	any answ	rets in re	aniaiks).ivo	· · · · · · · · · · · · · · · · · · ·	
SUMMAR	Y FINDINGS - Attac	h site ma	p showing sampli	ing point	locations	s, transe	ects, im	portant fe	atures, etc.	
Hydrophyti	c Vegetation Present?	Yes		Is the	e Sampleo	i Area				
Hydric Soil		Yes			n a Wetlai		Yes			
1 '										
vvetiand H	ydrology Present?	Yes								
Remarks: \	Wetland LL, non-isolated	i								
	rioù	/1 **	SEMS Basis No.	1 North	aget Cuk	Dagie	2)			
VEGETA			SFWS Region No.							····
			for listing of plant				aominai	vegetatio	жı	
Percent of	Dominant Species that a	are OBL, FA	ACW or FAC: (exclud	ing FAC-) =	= 1/1 = 100	) %				
FAC Neutr	al Test: 1 > 0 = Pass									
Prevalence	e Index =									÷
Remarks: I	Hydrophytle plant commi	unity preset	nt							
SOIL										
- UVIL			LRR: M							
Profile Des	scription: (Describe to	the depth	needed to documer	nt the indic	ator or co	onfirm the	e absend	ce of indica	tors.)	
Profile Des Depth	Matrix		needed to documer	dox Feature	s				tors.)	<u> </u>
Profile Des	Matrix Color (molst)	the depth % 95	needed to documer	nt the indicators	ator or co s Type <sup>r</sup> C	Loc²	Textu	re		3 )
Profile Des Depth (Inches)	Matrix	%	needed to documer Rec Color (moist)	dox Feature %	Type <sup>r</sup>	Loc2	Textu	re		3 ,
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer Rec Color (moist)	dox Feature %	Type <sup>r</sup>	Loc2	Textu	re		3 ,
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer Rec Color (moist)	dox Feature %	Type <sup>r</sup>	Loc2	Textu	re		3
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer Rec Color (moist)	dox Feature %	Type <sup>r</sup>	Loc2	Textu	re		\$
Profile Des Depth (Inches)	Matrix Color (molst)	%	needed to documer Rec Color (moist)	dox Feature %	Type <sup>r</sup>	Loc2	Textu	re		5 ,
Profile Des Depth (Inches) 0-12	Color (molst) 2.5YR 3 / 2	% 95	needed to documer Rec Color (moist) 10YR 5 / 6	dox Feature	Type <sup>r</sup> C	Loc² M	Textu silt lo	re am	Remarks	
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 2.5YR 3 / 2  concentration, D=Deplet	% 95	needed to documer Rec Color (moist) 10YR 5 / 6	dox Feature	Type <sup>r</sup> C	Loc² M	Textu silt lo	re am	Remarks	-Matrix
Profile Des Depth (Inches) 0-12	Matrix Color (moist) 2.5YR 3 / 2  concentration, D=Deplet	% 95	needed to documer Rec Color (moist) 10YR 5 / 6	dox Feature % 5	Type' C	Loc² M	Textu silt lo	re am	Remarks  PL=Pore Lining, Mailematic Hydric Science	-Matrix
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Sol	Matrix Color (moist) 2.5YR 3 / 2  concentration, D=Deplet	% 95	needed to documer Rec Color (moist) 10YR 5 / 6  aduced Matrix, CS=C Sandy Gleyed Sandy Redox	dox Feature % 5 covered or 0 d Matrix (S4 (S5)	Type' C	Loc² M	Textu silt lo	re am  *Location: Fors for Probast Prairie RiManganese	Remarks  PL=Pore Lining, Mailematic Hydric Sciedox (A16) e Masses (F12)	-Matrix
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Black H	Matrix Color (moist) 2.5YR 3 / 2  Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3)	% 95	needed to documer Rec Color (moist) 10YR 5 / 6  aduced Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matr	dox Feature % 5 covered or C Matrix (S4 (S5) ix (S6)	Type' C	Loc² M	Textu silt lo	re am  *Location: Fors for Probast Prairie RiManganese	Remarks  PL=Pore Lining, Mailematic Hydric Sciedox (A16)	-Matrix
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Black I Hydrog	Color (moist)  2.5YR 3 / 2  Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4)	% 95	educed Matrix, CS=C  Sandy Gleyec  Sandy Redox  Stripped Matr  Loamy Mucky	covered or Cd Matrix (S4 (S5) ix (S6)	Type' C Coated Sa	Loc² M	Textu silt lo	re am  *Location: Fors for Probast Prairie RiManganese	Remarks  PL=Pore Lining, Mailematic Hydric Sciedox (A16) e Masses (F12)	-Matrix
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Histos Hydrog Stratific	Color (moist)  2.5YR 3 / 2  Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5)	% 95	educed Matrix, CS=C  Sandy Gleyed  Sandy Redox  Stripped Matr  Loamy Mucky  Loamy Gleyed  Loamy Gleyed	dox Feature % 5  covered or C d Matrix (S4 (S5) ix (S6) / Mineral (F3 d Matrix (F3	Type' C Coated Sa	Loc² M	Textu silt lo	re am  *Location: Fors for Probast Prairie RiManganese	Remarks  PL=Pore Lining, Mailematic Hydric Sciedox (A16) e Masses (F12)	-Matrix
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Sol Histose Histose Histose Hydrog Stratifie 2 cm M	Color (moist)  2.5YR 3 / 2  Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10)	% 95 sion, RM=Re	educed Matrix, CS=C  Sandy Gleyec  Sandy Redox  Stripped Matr  Loamy Mucky	dox Feature % 5  Matrix (S4 (S5) Ix (S6) Ix (S6) Ix (Matrix (F3) Ix (F3)	Coated Sai	Loc² M	Textu silt lo	<sup>2</sup> Location: Fors for Probast Prairie RManganesser (Explain i	PL=Pore Lining, M= blematic Hydric So edox (A16) e Masses (F12) in Remarks)	-Matrix oils>:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Sol Histos Histos Histos Hydrog Stratific 2 cm M Deplete	Color (moist)  2.5YR 3 / 2  Concentration, D=Deplet I Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5)	% 95 sion, RM=Re	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyed Depleted Mat Redox Dark S Depleted Dari	dox Feature % 5  downward or Covered or Cove	Coated Sai	Loc² M	Textu silt lo	<sup>2</sup> Location: Fors for Probast Prairie Ro-Manganesser (Explain i	PL=Pore Lining, M= blematic Hydric So edox (A16) e Masses (F12) in Remarks)	=Matrix oils>:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Sol Histosc Histosc Histosc Hydrog Stratific 1 Deptet Thick I Sandy	Matrix Color (moist) 2.5YR 3 / 2  Concentration, D=Deplet Indicators: D (A1) Epipedon (A2) Histic (A3) Jen Sulfide (A4) ded Layers (A5) Muck (A10) ded Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 95 sion, RM=Re	educed Matrix, CS=C Sandy Gleyed Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyer Depleted Matr Redox Dark S	dox Feature % 5  downward or Covered or Cove	Coated Sai	Loc² M	Textu silt lo	<sup>2</sup> Location: Fors for Probast Prairie Ro-Manganesser (Explain i	PL=Pore Lining, M= blematic Hydric So edox (A16) e Masses (F12) in Remarks)	=Matrix oils>:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Sol Histose Histose Hydrog Stratifle 2 cm M Deplete Thick I Sandy 5 cm M	Matrix Color (moist) 2.5YR 3 / 2  Concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) Jen Sulfide (A4) ed Layers (A5) fluck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) flucky Peat or Peat (S3)	% 95 sion, RM=Re	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyed Depleted Mat Redox Dark S Depleted Dari	dox Feature % 5  downward or Covered or Cove	Coated Sai	Loc² M	Textu silt lo	<sup>2</sup> Location: Fors for Probast Prairie Ro-Manganesser (Explain i	PL=Pore Lining, M= blematic Hydric So edox (A16) e Masses (F12) in Remarks)	=Matrix oils>:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Sol Histose Histose Hydrog Stratifle 2 cm M Deplete Thick I Sandy 5 cm M	Matrix Color (moist) 2.5YR 3 / 2  Concentration, D=Deplet Indicators: D (A1) Epipedon (A2) Histic (A3) Jen Sulfide (A4) ded Layers (A5) Muck (A10) ded Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1)	% 95 sion, RM=Re	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyed Depleted Mat Redox Dark S Depleted Dari	dox Feature % 5  downward or Covered or Cove	Coated Sai	Loc²	Textu sit lo	re am  2Location: Fors for Probast Prairie Re -Manganesser (Explain i	PL=Pore Lining, Maniematic Hydric Sciedox (A16) e Masses (F12) in Remarks)  phytic vegetation and any must be present	=Matrix oils>:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratif 1 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 2.5YR 3 / 2  concentration, D=Deplet Indicators: ol (A1) Epipadon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface ( Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) Layer (if observed): inches):	% 95 ion, RM=Re	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyed Depleted Mat Redox Dark S Depleted Dari	dox Feature % 5  downward or Covered or Cove	Coated Sai	Loc²	Textu silt lo	<sup>2</sup> Location: For Probast Prairie Ro-Manganesser (Explain i	PL=Pore Lining, M= plematic Hydric Soledox (A16) e Masses (F12) in Remarks) phytic vegetation a gy must be present	=Matrix oils>:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratif 1 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 2.5YR 3 / 2  Concentration, D=Deplet Indicators: ol (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface (Dark Surface (A12) Mucky Mineral (S1) fucky Peat or Peat (S3) Layer (if observed):	% 95 ion, RM=Re	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyed Depleted Mat Redox Dark S Depleted Dari	dox Feature % 5  downward or Covered or Cove	Coated Sai	Loc²	Textu silt lo	re am  2Location: Fors for Probast Prairie Re -Manganesser (Explain i	PL=Pore Lining, M= plematic Hydric Soledox (A16) e Masses (F12) in Remarks) phytic vegetation a gy must be present	=Matrix oils>:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratif 1 2 cm M Deplet Thick I Sandy 5 cm M Restrictive Type: Depth: (	Matrix Color (moist) 2.5YR 3 / 2  concentration, D=Deplet Indicators: ol (A1) Epipadon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface ( Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) Layer (if observed): inches):	% 95 ion, RM=Re	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyed Depleted Mat Redox Dark S Depleted Dari	dox Feature % 5  downward or Covered or Cove	Coated Sai	Loc²	Textu silt lo	<sup>2</sup> Location: For Probast Prairie Ro-Manganesser (Explain i	PL=Pore Lining, M= plematic Hydric Soledox (A16) e Masses (F12) in Remarks) phytic vegetation a gy must be present	=Matrix oils>:
Profile Des Depth (Inches) 0-12  'Type: C=C Hydric Soi Histos Histos Hydrog Stratific 2 cm M Deplet Thick I Sandy Sandy Storn M Restrictive Type: Depth: (	Matrix Color (moist) 2.5YR 3 / 2  concentration, D=Deplet Indicators: ol (A1) Epipadon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) fuck (A10) ed Below Dark Surface ( Dark Surface (A12) Mucky Mineral (S1) Mucky Peat or Peat (S3) Layer (if observed): inches):	% 95 ion, RM=Re	educed Matrix, CS=C  Sandy Gleyed Sandy Redox Stripped Matr Loamy Mucky Loamy Gleyed Depleted Mat Redox Dark S Depleted Dari	dox Feature % 5  downward or Covered or Cove	Coated Sai	Loc²	Textu silt lo	<sup>2</sup> Location: For Probast Prairie Ro-Manganesser (Explain i	PL=Pore Lining, M= plematic Hydric Soledox (A16) e Masses (F12) in Remarks) phytic vegetation a gy must be present	-Matrix oils>:

		PAGE 2
		Sampling Date: 12-13-11 Sampling Point: SP64
HYDROLOGY		
Wettand Hydrology Indicators:  Primary Indicators (minimum of one is required)	check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	☑ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
Saturation (A3)	True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)
☑ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
☑ Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☑ Drift Deposits (B2)	Presence of Reduced Iron (C4)	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	☑ FAC-Neutral Test (D5)
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations: Surface Water Present? Yes Depth (In	•	
Water Table Present? No Depth (In Saturation Present? Yes Depth (In	·	
(includes capillary fringe)  Depth (in	ches): surface Wetland Hydrology Pt	resent? Yes
☐ Recorded Data (Describe in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☑ No Recorded Data		
Remarks: Hydrology present by numerous indic	ators	
Teamanus Tydiology procent by Halliotodo Illuit		

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #64 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Phalaris arundinacea	FACW	Herb	95	95%	Yes
Ambrosia trifida	FAC	Herb	2	2%	
Asclepias incamata	OBL	Herb	2	2%	
Scirpus atrovirens	OBL	Herb	1	1%	
		Herb			
		Herb			
		Herb			
	·	Herb			
		Herb			
	<u> </u>	Herb			
		TDM=	100		
-		Shrub/Sap			
		TDM=	0		
•		Tree			
		Tree		. <u>.</u>	
		Tree			
		TDM=	0		
		Vine			
		Vine			
		Vine			
	1 3 11 11	Vine			
		TDM=	0		

	<u>,</u>					
Project/Site: EVP010 Phase II			nty: Champaign (	1	ampling Date: 12-13-11	
Applicant/Owner: Everpower		State: OH		•	ampling Point: SP65	
Investigator(s): BMF			Township, Rang			<del></del>
Landform (hilislope, terrace, etc.):	•	1	cal relief (concave			
Slope (%):6-12 Lat: 40.	•	83.573528		: WGS 198		
Soil Map Unit Name: Miami Silt Lo			i		cation: PEM1C, PUBGx	
Are climatic/hydrologic conditions						
Are Vegetation 🔲, Soil 🔲, or Hy						
Are Vegetation 🔲, Soll 🔲, or Hy	drology 🔲 naturally probler	natic? (If needed	d, explain any ans	swers in Re	marks).ivo	
SUMMARY FINDINGS - Attac	ch site map showing sa	mpling point l	locations, tran	sects, im	oortant features, etc.	
Hydrophytic Vegetation Present?	Yes	ls the	Sampled Area			
Hydric Soil Present?	Yes	within	n a Wetland?	Yes		
Wetland Hydrology Present?	Yes	<b>!</b> !				
Remarks: Wetland MM. non-isolat	ed		<u> </u>	···········		
	•					
VEGETATION	(USFWS Region	No. 1 - North	east Sub-Regi	on)		
	ched sheet for listing of p				t vegetation	
Percent of Dominant Species that						<u> </u>
	are obt., i horr of i ho. (c	ADIGGING 7	22 (02 %			
FAC Neutral Test: 2 > 0 = Pass						
Prevalence Index =						
Remarks: Hydrophytic plant comm	unity present	·	<del></del>			
SOIL	LRR					
	LNN	: M			41-11-4	
Profile Description: (Describe to	the depth needed to doc	ument the indic		the absence	e of indicators.)	
Profile Description: (Describe to Depth Matrix (Inches) Color (moist)	the depth needed to doc	ument the Indic Redox Feature				rks
Depth <u>Matrix</u>	the depth needed to doc	ument the Indic Redox Feature	5			rks
Depth Matrix (inches) Color (moist)	the depth needed to doc % Color (moi	ument the Indic Redox Feature	5	² Textu		rks
Depth Matrix (inches) Color (moist)	the depth needed to doc % Color (moi	ument the Indic Redox Feature	5	² Textu		rks
Depth Matrix (inches) Color (moist)	the depth needed to doc % Color (moi	ument the Indic Redox Feature	5	² Textu		rks
Depth Matrix (inches) Color (moist)	the depth needed to doc % Color (moi	ument the Indic Redox Feature	5	² Textu		rks
Depth Matrix (inches) Color (moist)	the depth needed to doc % Color (moi	ument the Indic Redox Feature	5	² Textu		rks
Depth Matrix (Inches) Color (moist) 0-10 10YR 2 / 1	% Color (moi	ument the Indic Redox Feature st) %	Type' Loc	.2 Textur	e Rema	
Depth Matrix (Inches) Color (moist) 0-10 10YR 2 / 1  'Type: C=Concentration, D=Depte	% Color (moi	ument the Indic Redox Feature st) %	Type' Loc	.2 Textur silt	e Rema	M=Matrix
Depth Matrix (Inches) Color (moist) 0-10 10YR 2 / 1	tion, RM=Reduced Matrix, C	ument the Indic Redox Feature st) %	Type! Loc	.2 Textur silt silt lins. Indicate	Location: PL=Pore Lining, I rs for Problematic Hydric st Prairie Redox (A16)	M=Matrix
Depth Matrix (Inches) Color (moist) 0-10 10YR 2 / 1  'Type: C=Concentration, D=Depte Hydric Soil Indicators:	tion, RM=Reduced Matrix, G	ument the Indic Redox Feature st) %  CS=Covered or CS Sleyed Matrix (S4 Redox (S5)	Type! Loc	ins.	Location: PL=Pore Lining, I rs for Problematic Hydric st Prairie Redox (A16)  -Manganese Masses (F12)	M=Matrix
Depth Matrix (Inches) Color (moist)  0-10 10YR 2 / 1  'Type: C=Concentration, D=Deple Hydric Soil Indicators:  Histosol (A1) Histic Epipedon (A2) Black Histic (A3)	tion, RM=Reduced Matrix, G Sandy R Stripped	ument the Indic Redox Feature st) %  CS=Covered or C Sleyed Matrix (S4 redox (S5) Matrix (S6)	Type' Loc	ins.	Location: PL=Pore Lining, I rs for Problematic Hydric st Prairie Redox (A16)	M=Matrix
Depth Matrix (Inches) Color (moist)  0-10 10YR 2 / 1  'Type: C=Concentration, D=Deple Hydric Soil Indicators:  Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4)	tion, RM=Reduced Matrix, C Sandy R Stripped Loamy M	cs=Covered or Csleyed Matrix (S4) Matrix (S6) Mucky Mineral (F-	Type' Loc  Coated Sand Grain	ins.	Location: PL=Pore Lining, I rs for Problematic Hydric st Prairie Redox (A16)  -Manganese Masses (F12)	M=Matrix
Depth   Matrix	tion, RM=Reduced Matrix, C Sandy R Stripped Loamy R Loamy C	cs=Covered or Csleyed Matrix (S4) Matrix (S6) Mucky Mineral (F-Sleyed Matrix (F3)	Type' Loc  Coated Sand Grain	ins.	Location: PL=Pore Lining, I rs for Problematic Hydric st Prairie Redox (A16)  -Manganese Masses (F12)	M=Matrix
Type: C=Concentration, D=Deple	tion, RM=Reduced Matrix, C Sandy R Stripped Loamy R Depleted	cs=Covered or Csleyed Matrix (S4) Matrix (S6) Mucky Mineral (F-	Type' Loc  Coated Sand Grain  1)	ins. a lndicate	Location: PL=Pore Lining, I rs for Problematic Hydric st Prairie Redox (A16) -Manganese Masses (F12) er (Explain in Remarks)	M=Matrix Soils>:
Depth   Matrix	tion, RM=Reduced Matrix, C Sandy R Stripped Loamy R Loamy C Reduced Reduced C Loamy C Depleted A11) Redox D Depleted	ument the Indic Redox Feature St) %  CS=Covered or C Sieyed Matrix (S4 Sedox (S5) Matrix (S6) Mucky Mineral (F- Sieyed Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F6)	Type' Loc  Coated Sand Grain  1)	ins. a Indicate Oth	Location: PL=Pore Lining, I see Froblematic Hydric st Prairie Redox (A16) -Manganese Masses (F12) er (Explain in Remarks)	M=Matrix Soils>:
Depth Matrix (Inches) Color (moist)  0-10 10YR 2 / 1  Type: C=Concentration, D=Deple Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) Depleted Below Dark Surface Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	tion, RM=Reduced Matrix, C Sandy R Stripped Loamy R Loamy C Reduced Reduced C Redox D	ument the Indic- Redox Feature st) %  CS=Covered or C Sleyed Matrix (S4 dedox (S5) Matrix (S6) Mucky Mineral (F- Sleyed Matrix (F3) d Matrix (F3) lark Surface (F6)	Type' Loc  Coated Sand Grain  1)	ins. a Indicate Oth	Location: PL=Pore Lining, I rs for Problematic Hydric st Prairie Redox (A16) -Manganese Masses (F12) er (Explain in Remarks)	M=Matrix Soils>:
Depth Matrix (Inches) Color (moist)  0-10 10YR 2 / 1  Type: C=Concentration, D=Deple Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) Depleted Below Dark Surface Thick Dark Surface (A12) Sandy Mucky Mineral (S1) 5 cm Mucky Peat or Peat (S3)	tion, RM=Reduced Matrix, C Sandy R Stripped Loamy R Loamy C Reduced Reduced C Redox D	ument the Indic Redox Feature St) %  CS=Covered or C Sieyed Matrix (S4 Sedox (S5) Matrix (S6) Mucky Mineral (F- Sieyed Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F6)	Type' Loc  Coated Sand Grain  1)	ins. a Indicate Oth	Location: PL=Pore Lining, I see Froblematic Hydric st Prairie Redox (A16) -Manganese Masses (F12) er (Explain in Remarks)	M=Matrix Soils>:
Depth Matrix (inches) Color (moist)  0-10 10YR 2 / 1  Type: C=Concentration, D=Deple Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) 2 tem Muck (A10) Depleted Below Dark Surface Thick Dark Surface (A12) Sandy Mucky Mineral (S1) 5 cm Mucky Peat or Peat (S3)  Restrictive Layer (if observed):	tion, RM=Reduced Matrix, C Sandy R Stripped Loamy R Loamy C Reduced Reduced C Redox D	ument the Indic Redox Feature St) %  CS=Covered or C Sieyed Matrix (S4 Sedox (S5) Matrix (S6) Mucky Mineral (F- Sieyed Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F6)	Type' Loc  Coated Sand Grain  1)	ins. 2 Indicate Coa Iron Oth	Location: PL=Pore Lining, Ins for Problematic Hydric st Prairie Redox (A16) -Manganese Masses (F12) er (Explain in Remarks)  ors of hydrophytic vegetation and hydrology must be presected in the	M=Matrix Soils>:
Depth   Matrix (Inches)   Color (moist)	tion, RM=Reduced Matrix, Calculation, Randow Reduced Reduced Reduced Reduced Reduced R	ument the Indic Redox Feature St) %  CS=Covered or C Sieyed Matrix (S4 Sedox (S5) Matrix (S6) Mucky Mineral (F- Sieyed Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F6)	Type' Loc  Coated Sand Grain  1)	ins. 2 Indicate Coa Iron Oth	Location: PL=Pore Lining, Ins for Problematic Hydric st Prairie Redox (A16) -Manganese Masses (F12) er (Explain in Remarks)  ors of hydrophytic vegetation and hydrology must be presented by the presented of the presented in the	M=Matrix Soils>:
Depth Matrix (Inches) Color (moist)  0-10 10YR 2 / 1  Type: C=Concentration, D=Deple Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) Depleted Below Dark Surface Thick Dark Surface (A12) Sandy Mucky Mineral (S1) 5 cm Mucky Peat or Peat (S3)  Restrictive Layer (if observed): Type:	tion, RM=Reduced Matrix, Calculation, Randow Reduced Reduced Reduced Reduced Reduced R	ument the Indic Redox Feature St) %  CS=Covered or C Sieyed Matrix (S4 Sedox (S5) Matrix (S6) Mucky Mineral (F- Sieyed Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F6)	Type' Loc  Coated Sand Grain  1)	ins. 2 Indicate Coa Iron Oth	Location: PL=Pore Lining, Ins for Problematic Hydric st Prairie Redox (A16) -Manganese Masses (F12) er (Explain in Remarks)  ors of hydrophytic vegetation and hydrology must be presected in the	M=Matrix Soils>:
Depth   Matrix (Inches)   Color (moist)	tion, RM=Reduced Matrix, Calculation, Randow Reduced Reduced Reduced Reduced Reduced R	ument the Indic Redox Feature St) %  CS=Covered or C Sieyed Matrix (S4 Sedox (S5) Matrix (S6) Mucky Mineral (F- Sieyed Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F6)	Type' Loc  Coated Sand Grain  1)	ins. 2 Indicate Coa Iron Oth	Location: PL=Pore Lining, Ins for Problematic Hydric st Prairie Redox (A16) -Manganese Masses (F12) er (Explain in Remarks)  ors of hydrophytic vegetation and hydrology must be presented by the presented of the presented in the	M=Matrix Soils>:
Depth   Matrix (Inches)   Color (moist)	tion, RM=Reduced Matrix, Calculation, Randow Reduced Reduced Reduced Reduced Reduced R	ument the Indic Redox Feature St) %  CS=Covered or C Sieyed Matrix (S4 Sedox (S5) Matrix (S6) Mucky Mineral (F- Sieyed Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F3) Matrix (F6)	Type' Loc  Coated Sand Grain  1)	ins. 2 Indicate Coa Iron Oth	Location: PL=Pore Lining, Ins for Problematic Hydric st Prairie Redox (A16) -Manganese Masses (F12) er (Explain in Remarks)  ors of hydrophytic vegetation and hydrology must be presented by the presented of the presented in the	M=Matrix Soils>:

		PAGE 2
,		Sampling Date: 12-13-11
<u> </u>		Sampling Point: SP65
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is requ	red: check all that apply)	Secondary Indicators (minimum of two required)
☐ Surface Water (A1)	☑ Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
☐ High Water Table (A2)	Aquatic Fauna (B13)	☐ Drainage Patterns (B10)
☑ Saturation (A3)	☐ True Aquatic Plants (B14)	Dry-Season Water Table (C2)
☐ Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
☐ Drift Deposits (B2)	☐ Presence of Reduced Iron (C4)	Geomorphic Position (D2)
☐ Algai Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	☑ FAC-Neutral Test (D5)
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	Other (Explain in Remarks)
Inundation Visible on Aerial Imagery (B7	) Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (E	88) ☐ Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? No Depti	ı (Inches):	
Water Table Present? No Depti	(Inches):	
Saturation Present? Yes Depti (includes capillary fringe)	(inches): 6" Wetland Hydrology P	resent? Yes
☐ Recorded Data (Describe in Reman	(s):	
☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other		
No Recorded Data		
Remarks: Hydrology present by two primary	indicators and one secondary indicator	
	·	

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #65 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

	STRATUM	PLANT COVER	% OF TDM	DOMINANT
	Herb	95	95%	Yes
OBL	Herb	5	5%	
	Herb			
	Herb		, ,	
	Herb			
	TDM≒	100		
FACW		10	100%	Yes
	1			_
		10		
		·		
				<del> </del>
	,			
-				
	ľ	<del> </del>		<del> </del> _
	I		-	<del></del>
		<del>                                     </del>	<del>  -</del>	<u>, </u>
I	l Vine	I	Ĩ	l .
	FACW  FACW  FACW	STATUS         STRATUM           FACW         Herb           OBL         Herb           Herb         Herb           Herb         Herb           Herb         Herb           Herb         Herb           Herb         Herb           TDM=         TDM=	STATUS	STATUS   STRATUM   COVER   OF TDM

Project/Site: EVP010 Phase I Applicant/Owner: Everpower Investigator(s): BMF	***************************************	-	State: O		. •	Sampl	ng Date: 12-14-11 ng Point: SP66		
Investigator(s): BMF  Landform (hillslope, terrace, etc.):  Slope (%):2-6  Lat: 40.08736  Long: 83.603602  Datum: WGS 1984  Soil Map Unit Name: Miami silt loam  Are climatic/hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.)  Are Vegetation  Soil  Section, Township, Range::  Local rellef (concave, convex, none):  Datum: WGS 1984  NWI classification: PSS1C, PuB Gh  Are Vegetation  Soil  On thydrology  Significantly disturbed? Are "Normal Circumstances" present? Yes  Are Vegetation  Soil  On thydrology  Inaturally problematic? (If needed, explain any answers in Remarks).No									
SUMMARY FINDINGS – Attac	h site ma	showing sampli	ng point	location	s, trans	sects, importa	nt features, etc.		
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Wetland NN, non-isolate	Yes Yes Yes		l l	e Sample in a Wetla		Yes			
VEGETATION	(US	FWS Region No.	1 - North	east Sub	o-Regio	on)			
See attac	ched sheet	for listing of plant s	species an	d identifi	cation o	f dominant veg	etation		
Percent of Dominant Species that a FAC Neutral Test: 6 > 0 = Pass Prevalence Index = Remarks: Hydrophytic plant commu	·	·	ing FAC-) =	= 8/8 = 100	) %				
Profile Description: (Describe to	the depth		t the indic	ator or co	onfirm t	ne absence of i	ndicators.)		
Depth Matrix (Inches) Color (moist)	%		lox Feature %	S	Loc²		Remarks		
0-12 10YR 4/2	90	10YR 5/8	10	Type <sup>r</sup> C	M	silt loam	saturated		
			-						
		<u> </u>	<del> </del>		-				
			ļ			<del></del>			
			1.						
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.    Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.   PL=Pore Lining, M=Matrix									

			PAGE 2		
			Sampling Date: 12-14-11 Sampling Point: SP66		
HYDROLOGY					
Wetland Hydrology Indicators: Primary Indicators (minimum of one	is required:	check all that apply)	Secondary Indicators (minimum of two required)		
Surface Water (A1)		Water-Stained Leaves (B9)	Surface Soil Cracks (B6)		
☐ High Water Table (A2)		Aquatic Fauna (B13)	☐ Drainage Patterns (B10)		
☑ Saturation (A3)		☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)		
	-	☐ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B2)		Presence of Reduced Iron (C4)	Geomorphic Position (D2)		
☐ Algal Mat or Crust (B4)		Recent Iron Reduction in Tilled Soils (C6)	☑ FAC-Neutral Test (D5)		
☐ Iron Deposits (B5)		☐ Thin Muck Surface (C7)	Other (Explain in Remarks)		
☑ inundation Visible on Aerial Imag	gery (B7)	Gauge or Well Data (D9)			
Sparsely Vegetated Concave Su	rface (B8)	Other (Explain in Remarks)			
Field Observations:	•				
Surface Water Present? Yes	Depth (in	ches): 3			
Water Table Present? No	Depth (In	ches):			
Saturation Present? Yes (Includes capillary fringe)	Depth (In	ches): surface Wetland Hydrology Pa	resent? Yes		
Recorded Data (Describe in	Remarks):				
☐ Stream, Lake, or Tide Ga☐ Aerial Photographs☐ Other	•				
☑ No Recorded Data					
Remarks: Hydrology is present by n	umerous in	dicators.	,		

Identification of Dominant Plant Species using the 50/20 Rule, SAMPLE POINT #66 Attachment to Routine Wetland Determination Data Form Hull & Associates, Inc.

SPECIES	INDICATOR STATUS	STRATUM	PLANT COVER	% OF TDM	DOMINANT
Typha latifolia	OBL	Herb	25	25%	Yes
Aster lateriflorus	FACW-	Herb	25	25%	Yes
Polygonum lapathifolium	FACW+	Herb	25	25%	Yes
Cerex stricta	OBL	Herb	25	25%	Yes
		Herb			
		Harb			
		Herb			<u></u>
•		TDM=	100		
Ulmus americana	FACW-	Shrub/Sap	10	24%	Yes
Salix nigra	FACW+	Shrub/Sap	2	5%	_
Toxicodendron radicans	FAC	Shrub/Sap	30	71%	Yes
		Shrub/Sap			
		TDM=	42	•	
Sallx nigra	FACW+	Tree	35		Yes
Populus deltoides	FAC	Tree	20	36%	Yes
		Tree			
		TDM=	55		
		Vine		-	
· · · · · · · · · · · · · · · · · · ·		Vine			
		Vine			
· · · · · · · · · · · · · · · · · · ·		Vine		·-	
		TDM≃	0		

# **APPENDIX C**

**ORAM Data Sheets** 

Site: £	VPØØ	1 Wetland J	Rater(s): S.	Harrelson, H. Crowell	Date: 4 /17/08
2	2	letric 1. Wetland			, ,
max 6 pts.		elect one size class and assign sco	re.		
	2	>50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <2 10 to <50 acres (4 to <10.1 3 to <10 acres (1.2 to <4ha	0.2ha) (5 pts) ha) (4 pts) ) (3 pts) 2ha) (2pts) 0.12ha) (1 pt)		
/	3	Metric 2. Unland	buffers and	surrounding land	d use.
max 14 pts.		. Calculate average buffer width.	Select only one and assign	score. Do not double check.	•••
	Ø 21:	WIDE. Buffers average 50 MEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers Distance of surrounding land use VERY LOW. 2nd growth o LOW. Old field (>10 years) MODERATELY HIGH. Re	m (164fi) or more around v 25m to <50m (82 to <164) e 10m to <25m (32ft to <8 average <10m (<32ft) arou Select one or double arou r older forest, prairle, savai , shrubland, young second sidential, fenced pasture, p	vetland perimeter (7)  t) around wettend perimeter (4)  2ft) around wettend perimeter (1)  Ind wetland perimeter (0)  eck and average.  nnah, wildlife area, etc. (7)  I growth forest (5)  ark, conservation tillage, new fallow	/ fisid. (3)
	1110	X HIGH. Urban, industrial, of	oen pasture, row cropping,	mining, construction (1)	
11, 5 max 30 pts.	subtotal 36	Metric 3. Hydrolo  a. Sources of Water. Score all that High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surfa Perennial surface water (la Maximum water depth. Select or >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) <0.4m (<15.7in) (1) None or none apparent (12  Recovered (7)	apply.  ce water (3) ke or stream) (5) nly one and assign score.  (2) ic regime. Score one or de	Part of wetland/up Part of riparian or 3d. Duration inundation/sa Semi- to permane Regularly inundat Seasonally inundat Seasonally satura ouble check and average.	in (1) ake and other human use (1) pland (e.g. forest), complex (1) upland corridor (1) turation. Score one or dbl check. ently inundated/saturated (4) ted/saturated (3) ated (2) ated in upper 30cm (12in) (1)
	5	Recovered (7) Recovering (3) Recent or no recovery (1)	tile dike weir stomwater input	filling/grading road bed/RR trac dredging other_0400	k , ,
<u> </u>		Metric 4. Habitat . <u>Subs</u> trate disturbanca. Score or		nd Development.	
max 20 pts.	2 4b	None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Habitat development. Select onl Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)	y one and assign score.		
•	_	: Habitat alteration. Score one or None or none apparent (9)	double check and average Check all disturbance		
	3 20,5 utitotal this paga	Recovered (6)  Recovering (3)  Recert or no recovery (1)	mowing grazing dearcutting selective cutting woody debris rer toxic pollutents	shrub/sapling ren herbaceous/aqua sedimentation dredging	tic bed removal

ORAM v. 5.0 Field Form Quantitative Rating	
by EVDMON ///at/200	d T

Rater(s): S. Harrelson H. Crowell

Date:

20	ے
人ひ.	フロ

subtotal this pag

-10

# Metric 5. Special Wetlands.

Check all that apply and score as indicated. max 10 pts. Bog (10)

Fen (10)

Old growth forest (10)

Mature forested wetland (5)

Lake Erie coastal/tributary wetland-unrestricted hydrology (10) Lake Erie coastal/tributary wetland-restricted hydrology (5)

Lake Plain Sand Prairies (Oak Openings) (10)

Relict Wet Praires (10)

Known occurrence state/federal threatened or endangered species (10)

Significant migratory songbird/water fowl habitat or usage (10) Category 1 Wetland. See Question 1 Qualitative Rating (-10)

# Metric 6. Plant communities, interspersion, microtopography.

6a. Welland Vegetation Communities. Score all present using 0 to 3 scale

	-	biogetti anni 19 a to o denie.
		Aquatic bed
Į		Emergent
- (		Shrub
		Forest
		Mudflats
		Open water
- [		Other
		Shrub Forest Mudflats Open water

6b. horizontal (plan view) Interspersion. Select only one.

ļ		High (5)
Ì		Moderately high(4)
ı		Moderate (3)
ı		Moderately low (2)
ı		Low (1)
1	Ÿ	None (0)

6c. Coverage of invesive plants. Refer to Table 1 ORAM long form for list. Add

or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)

6d. Microtopography.

Score all present using 0 to 3 scale.

	Vegetated hummucks/tussucks
	Coarse woody debris >15cm (6in)
	Standing dead >25cm (10in) dbh
$\perp$	Amphibian breeding pools

Vegetation Comm	unity Cover Scale
0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a significant part but is of low quality
2	Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small part and is of high quality
3	Present and comprises significant part, or more, of wetland's vegetation and is of high quality

Narrative Description of Vegetation Quality

	low	Low spp diversity and/or predominance of nonnative or
		disturbance tolerant native species
	mod	Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp
dy	high	A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp

Mudflat and Open Water Class Quality

0	Absent <0.1ha (0.247 acres)
11	Low 0.1 to <1ha (0.247 to 2.47 acres)
2	Moderate 1 to <4ha (2.47 to 9.88 acres)
3	High 4ha (9.88 acres) or more

Microtopography Cover Scale

0	Absent				
1	Present very small amounts or if more common				
	of marginal quality				
2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality				
3	Present in moderate or greater amounts				
	and of highest quality				

ORAM v.	5.0 Field F	omi Quan	itative Rating	•	,	
Site:	EUP	00.		Rater(s): Bm	P/HFC	Date: 6/29/11
F	25	<b>-</b>	ic 5. Special W	/etlands.	/ WE	T-M
-10	1/3	]		•	•	•
max 10 pls.	sublotal		that apply and score as inc Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5 Lake Erie coastal/tributary Lake Erie coastal/tributary Lake Plain Sand Prairies (1 Relict Wet Prairies (10) Known occurrence state/fe Significant migratory songle Category 1 Wetland. See C 6. Plant com	i) wetland-unrestricted hydrological Dak Openings) (10) deral threatened or end pird/water fowl habitat o Question 1 Qualitative	ology (5) dangered species (10) or usage (10) Rating (-10)———	icrotopography.
max 20 pts,	subtotal	Co West	and Vegetation Communitie	. Vogsfoffer	. Ćammunih, Garas Saal	
max zu pu,	DUDICHE		and vegetation communities present using 0 to 3 scale.	s. <u>vegetador</u>	Absent or communes <	0.1ha (0.2471 acres) contiguous area
	(	DE	Aquatic bed Emergent Shrub	1	Present and either con	nprises small part of wetland's moderate quality, or comprises a
			Forest Mudflats Open water	. 2		prises significant part of wetland's noderate quality or comprises a small pality
			Other ontal (plan view) Interspersion	3 on.		significant part, or more, of wetland's
		Select on	_	N		According to
			High (5) Moderately high(4) Moderate (3)	iow	Description of Vegetation Low spp diversity and/o disturbance tolerant r	or predominance of nonnative or
	(=	$\overline{\ }$	Moderately low (2)	bom		nt component of the vegetation,
		6c. Cover	Low (1) None (0) rage of invasive plants. Refi		can also be present, a moderately high, but	nd/or disturbance tolerant native spp and species diversily moderate to generally w/o presence of rare
			ORAM long form for list. A		threatened or endang	
	<u>-5</u>		points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-3) Sparse 5-25% cover (-1)	high ·	and/or disturbance to absent, and high spp	ve species, with nonnative spp ierant native spp absent or virtually diversity and often, but not always,
			Sparse 5-25 % cover (-1) Nearly absent <5% cover (0	· · · · · · · · · · · · · · · · · · ·	tite presence of fare,	threatened, or endangered spp
			Absent (1)		i Open Water Class Qual	
			topography.	0	Absent <0.1ha (0.247 a	
	•		resent using 0 to 3 scale. Vegetated hummucks/tussu	1 cks 2	Low 0.1 to <1ha (0.247 Moderate 1 to <4ha (2.	
	Ĉ	_	Coarse woody debris >15cn		High 4ha (9.88 acres) of	
			Standing dead >25cm (10ìn) Amphibian breeding pools	dbh	raphy Cover Scale	•
				0	Absent	
			-	1	of marginal quality	unts or if more common .
				2		ounts, but not of highest ounts of highest quality
11	•		•	3	Present in moderate or g and of highest quality	greater amounts

End of Quantitative Rating. Complete Categorization Worksheets.

last revised 1 February 2001 jim

Poor (1)

Recovered (6)

Recovering (3)

4c. Habitat alteration. Score one or double check and everage.

None or none apparent (9)

Recent or no recovery (1)

Check all disturbances observed

woody debris removal

4mowing

grazing

clearcutting

selective cutting

toxic pollutants

shrub/sapling removal

sedimentation

nutrient enrichment

dredging

tarming

herbaceous/aquatic bed removal

ORAM v. 5	.0 Field Fon	n Quantita	ative Rating	Ī			1	. /
Site:	EVU	20 me	- W	ET-N	Rater(s	: BM	F/HFC	Date: 6/29/2011
31	13		c 5. S	pecial `	Wetland	S.		ETLAND N
. 0	1-			•			00 1	
max 10 pts.	subiolal (		Bog (10) Fen (10) Old growth :	nd score as forest (10) sted wetland		-	U	ETLAND N : flags Abutting
	O		Lake Erie co Lake Erie co Lake Plain S Relict Wet F Known occu	pastal/tributa pastal/tributa Sand Prairie: Prairies (10) prence state	ry wetland-unre ry wetland-restr s (Oak Opening	icted hydro s) (10) ned ar end:	ology (5) angered species (10	
	14		Calegory 1	Wetland, Se	e Question 1 Q	ualitative F	lating (-10)	, microtopography.
max 20 pts.				n Communi	ties. <u>V</u>	egetation	Community Cover	
	8			o to 3 scale	ž. <u> </u>	0		ses <0.1ha (0.2471 acres) contiguous area
	1	] <b>⊠</b> [(	lqualic bed Emergent Shrub		-	1	vegetation and	er comprises small part of wetland's is of moderate quality, or comprises a but is of low quality
			orest Iudflats Open water			2		or comprises significant part of wetland's is of moderate quality or comprises a small oh quality
	a		ther	ew) Interspe		3		orises significant part, or more, of wetland's
		elect only		Jii) II II - 1 - 1 - 1	_		1 Vegetaboli and	S of ragif quality
			igh (5)		N	arrative D	escription of Veget	
			ioderately h loderate (3)			low		and/or predominance of nonnative or rant native species
	6	1	loderately li ow (1)	ow (2)	_	mod		minant component of the vegetation, tive and/or disturbance tolerant native spp
		Coverage	one (0) ge of invasi	ve plants. R form for list.		•	can also be pres	sent, and species diversity moderate to , but generally w/o presence of rare
		deduct po	oints for cov xtensive >7 loderate 25	verage 5% cover (-) -75% cover (	 5)	high	A predominance of and/or disturbant absent, and high	of native species, with nonnative spp ce tolerant native spp absent or virtually spp diversity and often, but not always,
	0	N N		% cover (-1) it <5% cover		udflat and	Open Water Class	rare, threatened, or endangered spp  Quality
		. Microto	pography.			0	Absent <0.1ha (0.	
	Sc			0 to 3 scale.		1		1.247 to 2.47 acres)
	<u></u>			mmucks/tus		2		na (2.47 to 9.88 acres)
	(0)	St	anding dea	y debris >15 d >25cm (10	in) dbin	3	High 4ha (9.88 acr	es) or more
		Ar	nphiblan br	eeding pool	s <u>M</u> i		aphy Cover Scale	<u> </u>
						<u>0</u>	Absent	amounts or if more common
							of marginal quali	ty
						2		te amounts, but not of highest I amounts of highest quality
,,,						3		le or greater amounts

End of Quantitative Rating. Complete Categorization Worksheets.

ORAM v. 5.0 Field Form Quantitative Rating EVER POWER Rater(s): BMF Metric 1. Wetland Area (size). Select one size class and assign score. >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2ha) (5 pts) WETLAND T 10 to <25 acres (4 to <10.1ha) (4 pts) 3 to <10 acres (1.2 to <4ha) (3 pts) 0.3 to <3 acres (0.12 to <1.2ha) (2pts) 0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt) <0.1 acres (0.04ha) (0 pts) Metric 2. Upland buffers and surrounding land use. 2a. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE. Buffers average 50m (164ff) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4) O NARROW. Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1) VERY NARROW. Buffers average <10m (<32ft) around welland perimeter (0) Intensity of surrounding land use. Select one or double check and average. VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7) LOW. Old field (>10 years), strub land, young second growth forest. (5)
MODERATELY HIGH. Residential) fenced pasture, park, conservation tiliage, new fallow field. (3)
HIGH Moan, industrial, open pasture, row cropping, mining, construction. (1) Metric 3. Hydrology. Sources of Water. Score all that apply. 3b. Connectivity. Score all that apply. High pH groundwater (5) 100 year floodplain (1) Between stream/lake and other human use (1) Other groundwater (3)  $\eta_{1}$ O Precipitation (1) Part of wetland/upland (e.g. forest), complex (1) Seasonal/Intermittent surface water (3) Part of riparian or upland corridor (1) 3d. Duration inundation/saturation. Score one or dbi check. Perennial surface water (take or stream) (5) Semi- to permanently inundated/saturated (4) Maximum water depth. Select only one and assign score. >0.7 (27.6in) (3) Regularly inundated/saturated (3) 0.4 to 0.7m (15.7 to 27.6in) (2) Seasonally Inundated (2) 
 <a href="#">O.4m (<15.7in) (1)</a>

 Seasona Modifications to natural hydrologic regime. Score one or double check and average.
 Seasonally saturated in upper 30cm (12in) (1) None or none apparent (12) Check all disturbances observed 女ditch 女tile Recovered (7) point source (nonstormwater) filling/grading Recovering (3) road bed/RR track Recent or no recovery (1) dike weir dredging stormwater input other Metric 4. Habitat Alteration and Development. max 20 pts. 4a. Substrate disturbance. Score one or double check and average. None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) Habitat development. Select only one and assign score. 45. Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average. None or none apparent (9) Check all disturbances observed shrubisapling removal Recovered (6) mowing grazing herbaceous/aquatic bed removal Recovering (3) clearcutting sedimentation Recent or no recovery (1) dredging selective cutting woody debris removal farming toxic pollutants nuident enrichment last revised 1 February 2001 jjm

ORAM v. 5.	.0 Field Form	Quantitative Rating .e.c.+	,	. 1
Site:	EVER	POWER Inter Cover Rate	r(s): F	3. FALKINBURG Date: 10/13/11
eu	biolal first page			
0	15 M	etric 5. Special Wetla	nds.	0
max 10 pis.	subtole) Cho	Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (6)		Wetland T.
		Lake Erie coastal/tributary wetland Lake Erie coastal/tributary wetland Lake Plain Sand Prairies (Oak Ope Relici Wet Prairies (10) Known occurrence state/federal thr Significant migratory songbird/wate	restricted hydro nings) (10) eatened or enda r fowl habitat or	logy (5) angered species (10) usage (10)
-1	)L) M	Category 1 Wetland. See Questlor etric 6. Plant commun		erspersion, microtopography.
max 20 pls.	sublolal 6a.	Wetland Vegetation Communities.	Vegetation	Community Cover Scale
		re all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
	(1)	Aquatic bed Emergent Shrub	1 e	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a significant part but is of low quality
•	0	Mudflats Open water	, <u>(</u> 2	Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small part and is of high quality
	6b.	Otherhorizontal (plan view) interspersion.	3	Present and comprises significant part, or more, of wetland's vegetation and is of high quality
		ct only one.  High (5)  Moderately high(4)	Narrative De	escription of Vegetation Quality  Low spp diversity and/or predominance of nonnative or
•		Moderate (3) Moderately low (2) Low (1)	mod	disturbance tolerant native species  Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp
		None (0) Coverage of invasive plants. Referable 1 ORAM long form for list. Add		can also be present, and species diversity moderate to moderately high, but generally w/o presence of rare threatened or endangered spp
	(-3)	Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)	high	A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp
		Nearly absent <5% cover (0) Absent (1)		Open Water Class Quality
		Microtopography.	0	Absent <0.1ha (0.247 acres)
	700G 1	e all present using 0 to 3 scale.  Vegetated hummucks/tussucks	1 2	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderate 1 to <4ha (2.47 to 9.88 acres)
	0	Coarse woody debris >15cm (6in)	3	High 4ha (9.88 acres) or more
		Standing dead >25cm (10ln) dbh Amphiblan breeding pools	Microtopogra	aphy Cover Scale
•	•	<del></del> :	0	Absent
			4	Present very small amounts or if more common of marginal quality
			2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality
			3	Present in moderate or greater amounts and of highest quality

End of Quantitative Rating. Complete Categorization Worksheets.

Site: [	Ver	ower Rater(s): B. Falkir	1 hr	va		Date: 10 (3 (11
max 6 pts	subtotal	Metric 1. Wetland Area (size).  Select one size class and assign score.  >50 acres (>20.2ha) (6 pts)  25 to <50 acres (10.1 to <20.2ha) (5 pts)  10 to <25 acres (4 to <10.1ha) (4 pts)  3 to <10 acres (1.2 to <4ha) (3 pts)  0.3 to <3 acres (0.12 to <1.2ha) (2pts)  0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt)  <0.1 acres (0.04ha) (0 pts)	5	rwoods t	×s	Wetland U-Iso lated W3 Corn 1944 U5 XX
Ц	5	Metric 2. Upland buffers and s	sur	rounding land us	e	Lu Woods
max 14 pts.	subtotel	2a. Calculate average buffer width. Select or WIDE. Buffers average 50m (164ft) or more are MEDIUM. Buffers average 25m to <50m (82 to NARROW. Buffers average 10m to <25m (32ft VERY NARROW. Buffers average <10m (<32ft	ound v <1641 to <83	wetland perimeter (7) ft) around wetland perimete 2ft) around wetland perimet	r (4)	•
	3	2b. Intensity of surrounding land use. Select VERY LOW. 2nd growth or older forest, prairie, LOW. Old field (>10 years), shrubland, young s MODERATELY HIGH. Residential, fenced past HIGH. Urban, industrial, open pasture, row crop	sava econd ture, p	nnah, wildlife area, etc. (7) d growth forest. (5) oark, conservation tillage, ne		
6	10	Metric 3. Hydrology.				
max 30 pts.	subtotal	3a. Sources of Water. Score all that apply.  High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/Intermittent surface water (3)  Perennial surface water (lake or stream) (5)		3b. Connectivity. Score at 100 year floodplain (1) Between stream/lake and Part of wetland/upland (e.g. Part of riparian or upland c 3d. Duration inundation/s	other g. fore corrido	human use (1) est), complex (1)
	0	3c. Maximum water depth. Select one. >0.7 (27.6in) (3) 0.4 to 0.7m (15.7 to 27.6in) (2) <0.4m (<15.7in) (1)	×	Semi- to permanently inun- Regularly inundated/satura Seasonally inundated (2) Seasonally saturated in up	ited (i per 3	3) :0cm (12in) (1)
	3	3e. Modifications to natural hydrologic regin None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	ne. Si	Check all disturbances of ditch tile dike weir stormwater input	bser	average.  point source (nonstormwater) filling/grading road bed/RR track dredging other
0	70	Metric 4. Habitat Alteration an	Д П	•		
<b>8</b> max 20 pts.	subtotal	4a. Substrate disturbance. Score one or dou				
illus ao pio.	2	None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and		·		
	3	Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Poor (1)	<b>L</b> 1-			
	3	4c. Habitat alteration. Score one or double of None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1)		and average. Check all disturbances obsimowing grazing clearcutting selective cutting woody debris removal	erve	d shrub/sapling removal herbaceous/aquatic bed removal sedimentation dredging farming
				toxic pollutants		nutrient enrichment

subtotal this page

ORAM v. 5.0 Field Form Quantitative Rating last revised 1 February 2001 jjm

Site:	<i>Ever</i> 1	Power	Rater(s):	B. (	-alki	N	bura	Date: 10/13/11
							<del> </del>	, ,
	18	7						
	subtotal this	nade						
$\sim$	LO	<u> </u>	Special V	Vation	. da			wetland a
$\cup$	1.8	_	Special V					Werland W
max 10 pts.	subtotal		hat apply and	score	as indic	ate	d.	
		Bog (10)						
		Fen (10) Old growth for	ract /10\					
		Mature foreste						
			istal/tributary we	tland-un	restricted	hvdr	ology (10)	
		<del></del>	stal/tributary we			-	<del></del> · ·	
		Lake Plain Sa	ind Prairies (Oal	k Openir	igs) (10)			
		Relict Wet Pra	aires (10)					
							gered species (10)	
			gratory songbird					
	<del>-                                    </del>	_	etland. See Que					
ત્ર	20-	_ Metric 6.	Plant con	nmun	ities, i	nte	erspersion, microtopograp	ny.
max 20pts.	subtotal		d Vegetation		munitie	S.	Vegetation Community Cover Sca	
		· ·	ent using 0 to 3	scale.	i	0	Absent or comprises <0.1ha (0.2471 acre	
		Aquatic bed				1	Present and either comprises small part of	
	(a)	<u>A</u> Emergent					vegetation and is of moderate quality, or o	comprises a
		Shrub				2	significant part but is of low quality  Present and either comprises significant p	part of watland's 2
	_	Mudflats	•			2	vegetation and is of moderate quality or c	
		Open water					part and is of high quality	omphaea a amak
		Other			•	3	Present and comprises significant part, or	more, of wetland's 3
		6b. horizonta	i (plan view) In	terspers	sion.		vegetation and is of high quality	
		Select only on	e.				·	
		High (5)					Narrative Description of Vegetation Qu	
		Moderately hig	jh(4)				Low spp diversity and/or predominance of	i nonnative or low
		Moderate (3)	(2)				disturbance tolerant native species	a vegetallen med
	6	Moderately lov Low (1)	V (Z)				Native spp are dominant component of th although nonnative and/or disturbance tol	
		> None (0)					can also be present, and species diversity	
			of invasive pla	ints. Re	fer		moderately high, but generallyw/o present	
		_	A long form for li				threatened or endangered spp to	
			ts for coverage				A predominance of native species, with no	
		Extensive >75					and/or disturbance tolerant native spp abs	
		Moderate 25-7					absent, and high spp diversity and often, l	
1	<u>ත</u>	Sparse 5-25%					the presence of rare, threatened, or enda	igered spp
(		X. Nearly absent Absent (1)	<5% cover (U)				Mudflat and Open Water Class Quality	
		6d. Microtopo	ography.			0	Absent <0.1ha (0.247 acres)	
			ent using 0 to 3	scale.	-	<u>-</u> 1	Low 0.1 to <1ha (0.247 to 2.47 acres)	
	$\sim$	Vegetated hun	nmucks/tussuck	(S	-	2	Moderate 1 to <4ha (2.47 to 9.88 acres)	
	(Q)		debris >15cm (		-	3	High 4ha (9.88 acres) or more	
	$\mathbf{O}$		l >25cm (10in) d	lbh				
		Amphibian bre	eding pools			_	Microtopography Cover Scale	
					-		Absent	
						1	Present very small amounts or if more cor of marginal quality	IIIIOII
					-	2	Present in moderate amounts, but not of t	nighest
					•	-	quality or in small amounts of highest qua	_
An	<b>GRAND</b>	TOTAL(max 10	0 pts)		-	3	Present in moderate or greater amounts	
ast revised 1 February 2001 iim							and of highest quality	

Metric 1. Wetland Area (stze).  Select one size clears and assign acora.  25 to +30 ceres (10 to +30 zero) (10 zero)	Site:	Everp	ower	Rater(s): Bん	1 F			Date: 60/13/11
25 to <50 acres (10.1 to <20.2ha) (6 pixe)	1	Ti		Wetland Area	(size).	Wetlar	nd V	spring seep to wette
Metric 2. Upland buffers and surrounding land use.  2a. Calculate average buffer width. Select only one and assign score. Do not double check.  WIDE. Buffers average 25m (1946) or more around wetland perimeter (7)  MEDIUM. Buffers average 25m to 55m (25 to 1946h) around wetland perimeter (8)  VERN NARROW. Buffers average 25m to 55m (25 to 1946h) around wetland perimeter (9)  2b. Intensity of surrounding land use. Select one or double check and average.  VERN LOW. And growth or older forest, prisite, savannah, wildlife area, sic. (7)  LOW. Old field (-10 years), shrubland, young second growth forest. (5)  Wetlick. Unitan, industrial, open pasture, row cropping, mining, construction. (1)  Metric 3. Hydrology.  3a. Sources of Water, Score all that apply.  High pri groundwater (6)  Percential surface water (lake or stream) (5)  Seasonalifiter mittent surface water (8)  Percential surface water (lake or stream) (5)  2c. Maximum water depth. Select one.  3c. Duration inundation/saturated (4)  Seasonalify inundated/saturated (4)  Seasonalify inundated/saturated (4)  Seasonalify inundated/saturated (4)  Report (15, 78) (1)  Seasonalify inundated/saturated (4)  Recovered (6)  Recovering (2)  Recovering (3)  Recovering (3)  Recovering (4)  Recovering (5)  Recovering (6)  Recovering (7)  Recovering (8)  Recovered (9)  Recovered (9	max 6 pts	$\sim$	Select one si >50 acres (>2 25 to <50 acre 10 to <25 acre 3 to <10 acre 0.3 to <3 acre	ze class and assign a 0.2ha) (6 pts) es (10.1 to <20.2ha) (5 es (4 to <10.1ha) (4 ptr s (1.2 to <4ha) (3 pts) es (0.12 to <1.2ha) (2pt	pts)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	solated	
2. Calculate everage buffer width. Select only one and aseign score. Do not double check.  WINDE Buffers average 50m (5645) or more around welland perimeter (4)  WINDE Buffers average 25m to -55m (22 to -464f) around welland perimeter (4)  WARDOW Buffers average 50m (-6257) around welland perimeter (7)  VERY NARROW. Buffers average 10m (-52m (32th o-428) around welland perimeter (7)  VERY NARROW. Buffers average 10m (-52m (32th o-428) around welland perimeter (7)  VERY LOW. 7th growth or older forset, praitic, sevenneh, widdle area, etc. (7)  LOW. Ok field (-10) very), strubband, young second growth forset. (5)  WODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fellow field. (3)  Welth (10, 10, 10, 10, 10, 10, 10, 10, 10, 10,					i ptj			
WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7) MEDIUM. Buffers average 50m to <25m (32ft to <42th) around wetland perimeter (4) NARROW. Buffers average 50m to <25m (32ft to <42th) around wetland perimeter (1) VERY NARROW. Buffers average 50m to <25m (32ft to <42th) around wetland perimeter (1)  2b. Intensity of surrounding land use. Select one or double check and average. VERY LOW. 2nd growth or older forest, printing, savannah, wildlife area, etc. (7) LOW. Old field p-10 years), shrubland, young second growth forest. (5) MODERATELY HIGH. Residential, fenced pasture, park, wildlife area, etc. (7) LOW. Old field p-10 years), shrubland, young second growth forest. (5) MODERATELY HIGH. Residential, fenced pasture, park, wildlife area, etc. (7) LOW. Old field p-10 years), shrubland, young second growth forest. (5) MIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)  Wetric 3. Hydrology.  3a. Sources of Waters. Score all that apply. High pH groundwater (6) West groundwater (7) Periodipation (1)		J Q	_	•		<del>-</del>		
VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (?) LOW. Old field (~10) years), shrubland, young second growth forest. (5) HIGH. Urban, industrial, open pasture, prair, conservation tillage, new fallow field. (3) HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)  Metric 3. Hydrology.  3a. Sources of Water. Score all that apply. 3b. Connectivity, Score all that apply. 3c. Sources of Water. Score all that apply. 3d. Connectivity, Score all that apply. 3d. Connectivity and connect	max 14 pts		WIDE, Buffers MEDIUM, Buf NARROW, Bu	s average 50m (164ft) fers average 25m to < uffers average 10m to	or more around 50m (82 to <16 <25m (32ft to <	l wetland perimeter (7) 4ft) around wetland perime 82ft) around wetland perin	eter (4) neter (1)	
High pH groundwater (5)    Their groundwater (3)   Between streamfake and other human use (1)   Part of wetlandfupland (e.g. forest), complex (1)   Part of yarrian or upland corridor (1)   Seasonal/Intermittent surface water (3)   Part of yarrian or upland corridor (1)   Part of yarrian or upland (1)   Part of yarrian or uplan		1	VERY LOW. LOW. Old fiel MODERATEL	2nd growth or older for d (>10 years), shrubla .Y HIGH. Residential, t	est, prairie, sav nd, young secor fenced pasture,	annah, wildlife area, etc. ( nd growth forest. (5) park, conservation tillage,	7) new fallow field. (3)	Cattle Worter
High pH groundwater (5)    Their groundwater (3)   Between streamfake and other human use (1)   Part of wetlandfupland (e.g. forest), complex (1)   Part of yarrian or upland corridor (1)   Seasonal/Intermittent surface water (3)   Part of yarrian or upland corridor (1)   Part of yarrian or upland (1)   Part of yarrian or uplan	15	117						vider
Seasonally inundated (2) <0.4m (15.7in (1)) Seasonally saturated in upper 30cm (12in) (1) Well and the saturated in upper 30cm (12in) (1) Seasonally saturated in upper 30cm (12in) (12i	max 30 pts.	. srptotaj	High pH ground  X Other ground  Y Precipitation ( Seasonal/inte Perennial surf	ndwater (5) water (3) 1) rmittent surface water face water (lake or stre	(3) pam) (5)	100 year floodplain (1) Between stream/lake an Part of wetland/upland (i Part of riparian or upland 3d. Duration inundatio	d other human use (1) e.g. forest), complex ( d corridor (1) n/saturation. Score o	) 1)
None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)  Metric 4. Habitat Alteration and Development.  4a. Substrate disturbance. Score one or double check and average. None or none apparent (4) Recovered (3) Recovering (2) Recovering (2) Recovering (2) Recovering (2) Recovering (3) Recovering (3) Recovered (5) Recovering (2) Recovered (5) Recovering (2) Recovered (5) Recovered (6) Recovered (6) Recovered (6) Recovering (2) Recovered (6) Recovering (2) Recovering (3) Recovering (4) Recovering (5) Recovering (6) Recovering (6) Recovering (7) Recovering (8) Recovering (9) Recovering (9) Recovering (1) Recovering (1) Recovering (2) Recovering (3) Recovering (4) Recovering (5) Recovering (6) Recovering (6) Recovering (7) Recovering (8) Recovering (9) Recovering (1) Recovering (1) Recovering (1) Recovering (1) Recovering (2) Recovering (3) Recovering (4) Recovering (5) Recovering (6) Recovering (6) Recovering (7) Recovering (8) Recovering (8) Recovering (9) Recovering (1) Re		2	>0.7 (27.6in) ( X 0.4 to 0.7m (1 <0.4m (<15.7i	(3) 5.7 to 27,6in) (2) in) (1)	<b>9</b> =	Seasonally inundated (2 Seasonally saturated in	) upper 30cm (12in) (1)	
Metric 4. Habitat Alteration and Development.  4a. Substrate disturbance. Score one or double check and average.  None or none apparent (4) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average.  None or none apparent (9) Recovering (3) Recovering (3) Recent or no recovery (1)  Recent or no recovery (1)  Check all disturbances observed mowing shrub/sapling removal herbaceous/aquatic bed removal selective cutting selective cutting woody debris removal  (1)  K farming		(\$)	None or none X Recovered (7) X Recovering (3)	apparent (12) ) i)	IX	Check all disturbances ditch tile dike weir	point source ( filling/grading road bed/RR	track
None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and assign score.  Excellent (7) Very good (6) Good (5) Moderately good (4)  Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or double check and average. None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1) Recent or no recovery (1)  None or none apparent (4) Recovered (6) Recovering (3) Recent or no recovery (1)	5	22	Metric 4.	Habitat Altera	ition and l	Development.		3
Recent or no recovery (1)  4b. Habitat development. Select only one and assign score.  Excellent (7)  Very good (6)  Good (5)  Moderately good (4)  Fair (3)  Poor to fair (2)  Poor (1)  4c. Habitat alteration. Score one or double check and average.  None or none apparent (9)  Recovered (6)  Recovering (3)  Recent or no recovery (1)	max 20 pls.	subtotal	None or none Recovered (3)	apparent (4)	one or double	check and average.		
Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average. None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1) Recent or no recovery (1)  Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)  4c. Habitat alteration. Score one or double check and average. Check all disturbances observed mowing shrub/sapling removal herbaceous/aquatic bed removal selective cutting dredging woody debris removal  Karming		(1)	Recent or no 4b. Habitat d  Excellent (7)	recovery (1)	nly one and as	sign score.		
None or none apparent (9)  Recovered (6)  Recovering (3)  Recent or no recovery (1)  None or none apparent (9)  Recovering (3)  Recent or no recovery (1)  Check all disturbances observed  mowing  grazing  herbaceous/aquatic bed removal  clearcutting  selective cutting  woody debris removal  K farming		3	Good (5)  Moderately go X Fair (3)  Poor to fair (2)  Poor (1)	)	r double chec	k and average	·	
		0	None or none Recovered (6) Recovering (3)	apparent (9) ) )	X	Check all disturbances of mowing grazing clearcutting selective cutting woody debris removal	shrub/sapling herbaceous/a sedimentation dredging K farming	iquatic bed removal

22 subtotal this page

ORAM v. 5.0 Field Form Quantitative Rating last revised 1 February 2001 jjm

Site:	Everd	ower	Rater(s):	BME		Date: 10/13 11
		_				·, ·
	22					
	subtotal this	page				Wetland V
	22	Metric 5	Special V	Vetlands		Well lavia v
		-	nat apply and		diaata	d .
max 10 pts.	subtotal	Bog (10)	iat apply allu	Score as in	iicale	u.
		Fen (10)				
		Old growth for	est (10)			
		Mature foreste				
	_		stal/tributary we			
	0		stal/tributary wei			ogy (5)
		Relict Wet Pra	nd Prairies (Oak vires (10)	Copenings) (10	')	
				al threatened o	r endar	ngered species (10)
			ratory songbird			
		Category 1 We	etland. See Que	stion 5 Qualitat	ive Rat	ting (-10)
3	25	Metric 6.	Plant con	nmunities	, inte	erspersion, microtopography.
max 20pts.	subtotal	6a. Wetland	d Vegetatior	ı Communit	ies.	Vegetation Community Cover Scale
			ent using 0 to 3	scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
		Aquatic bed			1	Present and either comprises small part of wetland's 1
	$\bigcirc$	/ Emergent Shrub				vegetation and is of moderate quality, or comprises a
	(/)	Forest			2	significant part but is of low quality Present and either comprises significant part of wetland's 2
		Mudflats			_	vegetation and is of moderate quality or comprises a small
		Open water				part and is of high quality
		Other			3	Present and comprises significant part, or more, of wetland's 3
			(plan view) Int	terspersion.		vegetation and is of high quality
		Select only one	₽.			Namedia Paraduffus of Mandall of Co. Visa
		High (5) Moderately hig	h(4)			Narrative Description of Vegetation Quality  Low spp diversity and/or predominance of nonnative or low
		Moderate (3)	il (T)			disturbance tolerant native species
		Moderately low	<i>i</i> (2)			Native spp are dominant component of the vegetation, mod
	(0)	Low (1)				although nonnative and/or disturbance tolerant native spp
		X None (0)				can also be present, and species diversity moderate to
			of invasive plan			moderately high, but generallyw/o presence of rare
		or deduct point	long form for lis	St. Add		threatened or endangered spp to A predominance of native species, with nonnative spp high
	1	Extensive >759	-			and/or disturbance tolerant native spp absent or virtually
	_	Moderate 25-7				absent, and high spp diversity and often, but not always,
	(o)	Sparse 5-25%				the presence of rare, threatened, or endangered spp
		∖ Nearly absent •	<5% cover (0)	•		
	1	Absent (1)	t			Mudflat and Open Water Class Quality
		6d. Microtopo	grapny. nt using 0 to 3 s	erala		Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
			mucks/tussucks			Moderate 1 to <4ha (2.47 to 9.88 acres)
		<b>—</b> →	debris >15cm (6			High 4ha (9.88 acres) or more
			>25cm (10in) di	oh .	•	,
		Amphibian bree	eding pools			Microtopography Cover Scale
						Absent
	•					Present very small amounts or if more common of marginal quality
						Present in moderate amounts, but not of highest
						quality or in small amounts of highest quality
25	GRAND	TOTAL(max 10	0 pts)			Present in moderate or greater amounts
		ruary 2001 jjm	-			and of highest quality

woody debris removal

toxic pollutants

farmina

nutrient enrichment

teret souteed 1 Eaborant 2001 iim

subtotal this page

ORAM v.	. 5.0 Field	Form	Quantitative	Rating
---------	-------------	------	--------------	--------

Site: E	ver	power 1	Rater(s): BM	Date: 10/17/11
	Subtotal this pe	je		Wetland W Isolated 6 flags
0	9	Metric 5. Special W	etlands.	Isolated
max 10 pts.	subtotal	Check all that apply and score as indicated Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetlar Lake Erie coastal/tributary wetlar	nd-unrestricted hydrology nd-restricted hydrology (8	y (10)
		Lake Plain Sand Prairies (Oak O Relict Wet Praires (10) Known occurrence state/federal Significant migratory songbird/wa Category 1 Wetland. See Quest	threatened or endangere ater fowl habitat or usage	(10)
	10	Metric 6. Plant com	munities. in	terspersion, microtopography.
max 20 pts.	subtotal	6a. Wetland Vegetation Communities.	Vegetation Commu	• • • • • • • • • • • • • • • • • • • •
		Score all present using 0 to 3 scale.	0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
		Aquatic bad	1	Present and either comprises small part of wetland's
		Emergent	•	vegetation and is of moderate quality, or comprises a
		Shrub	<del></del>	significant part but is of low quality
	(	Forest Mudflats	2	Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small
	•	Open water	•	part and is of high quality
		Other	3	Present and comprises significant part, or more, of wetland's
		6b. horizontal (plan view) Interspersion.		vegetation and is of high quality
		Select only one.	<del></del>	regential and to at this if quanty
		High (5)	Narrative Description	on of Vegetation Quality
		Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	_	Moderate (3)		disturbance tolerant native species
	0	Moderately low (2)	mod	Native spp are dominant component of the vegetation,
	_	Low (1)		although nonnative and/or disturbance tolerant native spp
		X None (0)		can also be present, and species diversity moderate to
		6c. Coverage of invasive plants. Refer		moderately high, but generallyw/o presence of rare
		to Table 1 ORAM long form for list. Add		threatened or endangered spp
		or deduct points for coverage	high	A predominance of native species, with nonnative spp
		Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually
	_	Moderate 25-75% cover (-3)		absent, and high spp diversity and often, but not always,
	0	Sparse 5-25% cover (-1)		the presence of rare, threatened, or endangered spp
		Nearly absent <5% cover (0)		1
		Absent (1)	Mudflat and Open V	Vater Class Quality
		6d. Microtopography.	<u> </u>	Absent <0.1ha (0.247 acres)
		Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.47 acres)
•		Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)
	$\mathcal{E}$	Coarse woody debris >15cm (6in		High 4ha (9.88 acres) or more
		Standing dead >25cm (10th) don		
		Amphibian breeding pools	Microtopography Co	
			0	Absent Present very small amounts or if more common
			1	
			· ·	of marginal quality
	•		2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality
			3	Present in moderate or greater amounts
				and of highest quality
10	GRANI	TOTAL(max 100 pts)		

Site: E	veroc	wer	Rater(s):	<u>3.M F</u>		Date: 10/18/11
2	2	4	Wetland Are	•		Netland Y Non-isolated-
max 6 pts	subtotal		ze class and assign	1 score.		7 301 1001 10
		>50 acres (>2	o.∠na) (o pts) es (10.1 to <20.2ha) :	(5 nts)		Non-150 lated -
	_		es (4 to <10.1ha) (4 p			
	2		(1.2 to <4ha) (3 pts			39 flags
			s (0.12 to <1.2ha) (2			• •
		0.1 to <0.3 ac	res (0.04 to <0.12ha) 04ha) (0.nts)	) (1 pt)		drains to strea
		<u>'</u>	,,,,	_		
3	5	<b>4.</b>	•		rrounding land use	•
max 14 pts.	subtotal				one and assign score. Do n	ot double check.
		MEDIUM Buffers	s average com (1646 fers average 25m to	ı) or more around <50m (82 to <16	i wetland perimeter (7) i4ft) around wetland perimete	er (4)
	(O)				82ft) around wetland perimet	
		VERY NARRO	DW. Buffers average	<10m (<32ft) are	ound wetland perimeter (0)	
		2b. Intensity	of surrounding land	d use. Select on	e or double check and aver	rage.
	$\overline{}$	VERY LOW. 2	2nd growth or older fo	orest, prairie, sav	rannah, wildlife area, etc. (7)	
	3	MODERATE!	d (>10 years), shrubl Y HIGH, Residential	and, young seco fenced pasture.	park, conservation tillage, no	ew fallow field. (3)
	_	HIGH, Urban,	industrial, open past	ure, row cropping	g, mining, construction. (1)	
	1	<del></del>				
70	/S	3	Hydrology. of Water. Score all t	hat anniv	3b. Connectivity. Score a	all that apply.
max 30 pts.	anniores	High pH groun			100 year floodplain (1)	an arms — left-if
	0	Other groundy	water (3)	2 🗵		
	0	X Precipitation (			Part of wetland/upland (e.g	
			rmittent surface wate ace water (lake or st		Part of riparian or upland of 3d. Duration inundations	saturation. Score one or dbl check.
			water depth. Selec		Semi- to permanently inun-	
	6	>0.7 (27.6in) (	(3)		Regularly inundated/satura	ated (3)
	(I)		5.7 to 27.6in) (2)		Seasonally inundated (2)	nor 20cm (12in) (1)
	_	<0.4m (<15.7i		LX	Seasonally saturated in up Score one or double check	
		None or none		Ciogic regime.	Check all disturbances o	
	(S)	Recovered (7)		X	ditch	point source (nonstormwater)
	(S)	Recovering (3		X	tile	filling/grading
		Recent or no r	recovery (1)	<del> </del>	dike weir	road bed/RR track dredging
		•			stormwater input	other
$\sim$		1	11-6:4-4 A14	 المحدد مداهد،	Davelanmant	
9	24				Development.	
nax 20 pts.	subtotal			one or double	check and average.	•
	$\overline{}$	None or none  Recovered (3)	• •			,
	(2.5)	Recovering (2)				
·		Recent or no r				
			evelopment. Select	only one and as	ssign score.	
		Excellent (7) Very good (6)				
		Good (5)				
	2	Moderately go	od (4)			
		Fair (3)				
		Poor to fair (2)	)			
			teration. Score one	or double chec	k and average.	
		None or none	apparent (9)		Check all disturbances obs	
Λ	15)	Recovered (6)			mowing	shrub/sapling removal herbaceous/aquatic bed removal
		X Recovering (3)		<u> </u>	grazing clearcutting	sedimentation
		TTIVECEUR OF HOL	Coording (1)	<del> </del>	selective cutting	dredging
					woody debris removal	farming
_		_			toxic pollutants	nutrient enrichment

24 subtotal this page

ORAM v. 5.0 Field Form Quantitative Rating last revised 1 February 2001 jjm

Site:	Ever	Dower	Rater(s):	BMF		Date: 10/18/11
						, , , , , , , , , , , , , , , , , , , ,
	24					
	subtotal this	page Dage				1.3 01. 1.1
		<u> </u>	Special W	lotlande		Wetland 4
	124	_	. Special W			
max 10 pts.	subtotal	<del></del>	hat apply and	score as inc	licate	ed.
		Bog (10) Fen (10)			٠	
		Old growth fo	rest (10)			•
			ed wetland (5)			
			ıstal/tributary wet	land-unrestricte	ed hyd	rology (10)
			istal/tributary wet		-	ogy (5)
			and Prairies (Oak	Openings) (10	)	
		Relict Wet Pr		_1 &}		
			ence state/redera gratory songbird/			ngered species (10)
			gratory songbird/ /etland. See Que:			
2	0/0					erspersion, microtopography.
	26	<b>₫</b>				
max 20pts.	subtotal		d Vegetation ent using 0 to 3 s			Vegetation Community Cover Scale Absent or comprises <0.1ha (0.2471 acres) contiguous area
		Aquatic bed	ent using o to a s	scale.	0	Present and either comprises small part of wetland's 1
		I Emergent			•	vegetation and is of moderate quality, or comprises a
	(3)	Shrub				significant part but is of low quality
	9	Forest			2	Present and either comprises significant part of wetland's 2
		Mudflats				vegetation and is of moderate quality or comprises a small
		Open water				part and is of high quality
		Other	I (wlass selected lock		3	Present and comprises significant part, or more, of wetland's 3
		Select only on	ıl (plan view) int	erspersion.		vegetatioπ and is of high quality
		High (5)	· · · · · · · · · · · · · · · · · · ·			Narrative Description of Vegetation Quality
		Moderately hig	gh(4)			Low spp diversity and/or predominance of nonnative or low
	(2)	Moderate (3)				disturbance tolerant native species
		Moderately lov	N (2)			Native spp are dominant component of the vegetation, mod
		Low (1)				although nonnative and/or disturbance tolerant native spp
		None (0)	of invasive plar	sta Dofor		can also be present, and species diversity moderate to
			I long form for lis			moderately high, but generallyw/o presence of rare threatened or endangered spp to
			its for coverage			A predominance of native species, with nonnative spp high
		Extensive >75				and/or disturbance tolerant native spp absent or virtually
MAN	, >	Moderate 25-7	'5% cover (-3)			absent, and high spp diversity and often, but not always,
nalovis		Sparse 5-25%				the presence of rare, threatened, or endangered spp
$\mathcal{C}$	-5)	Nearly absent	<5% cover (0)			No. 15th and Co Material Co Co. 15th
_		Absent (1) 6d. Microtopo	aranhy		0	Mudflat and Open Water Class Quality  Absent <0.1ha (0.247 acres)
			ent using 0 to 3 s	cale.	1	Low 0.1 to <1ha (0.247 acres)
			nmucks/tussucks		2	Moderate 1 to <4ha (2.47 to 9.88 acres)
1	3	Coarse woody	debris >15cm (6	in)	3	High 4ha (9.88 acres) or more
'	ک ا		l >25cm (10in) db	oh		,
		Amphibian bre	eding pools			Microtopography Cover Scale
					0	Absent
					1	Present very small amounts or if more common
					2	of marginal quality Present in moderate amounts, but not of highest
					***	quality or in small amounts of highest quality
20	GRAND	TOTAL(max 10	0 pts)		3	Present in moderate or greater amounts
		oruary 2001 jim	• •		-	and of highest quality
						i — — — — — — — — — — — — — — — — — — —

WETLAND Z

Site: EVP 0 0	Rater(s):	B. FALKIN	BURG	Date: 10/18/11
Metric 1. Wetland	Area (size)	•		المعلمة المحادث
Max 6 pls.   Sublotal   Select one size class and assign scale   >50 acres (>20.2ha) (6 pls.   25 to <50 acres (10.1 to < 10 to <25 acres (4 to <10.   3 to <10 acres (1.2 to <4h	s) 20.2ha) (5 pts) 1ha) (4 pts) a) (3 pts) 1.2ha) (2pts) <0.12ha) (1 pt)		Non	-isolated 3 Slags
3 3 Metric 2. Upland be	uffers and	surroundin	g land use.	ı
max 14 pts. subtotal  2a. Calculate average buffer width.  WIDE. Buffers average 50  MEDIUM. Buffers average NARROW. Buffers average VERY NARROW. Buffers average VERY NARROW. Buffers average VERY LOW. 2nd growth of LOW. Old field (>10 years MODERATELY HIGH. Re HIGH. Urban, industrial, o	Om (164ff) or more  25m to <50m (82  26 10m to <25m (32  20 21m (<3)  20 21m (<3)  20 21m (<3)  20 21m (<3)  21 21m (<3)  22 21m (<3)  23 21m (<3)  24 21m (<3)  25 21m (<3)  26 21m (<3)  27 28 21m (<3)  28 21m (<3)  28 21m (<3)  29 21m (<3)  29 21m (<3)  29 21m (<3)  20 21m (<3	around wetland perin to <164ft) around we staff to <82ft) around ve staff around ve staff around pouble check and aver rie, savannah, wildlife ig second growth fore asture, park conserv.	neter (7) Itland perimeter (4) Itland perimeter (1) Itland perimeter (1) Itlander (0) Itlander (0) Itlander (7) Itlander (7) Itlander (1) Itlander (	
5 8 Metric 3. Hydrology	/.	·	,	
mex 30 pts. subtolal 3a. Sources of Water. Score all that High pH groundwater (5)  Other groundwater (3)  Precipitation (1)  Seasonal/intermittent surfater (last surface water (last surface))  3c. Maximum water depth. Select of 0.4 to 0.7m (15.7 to 27.6in)				

Wetland Z

ite:	EVO	Raf	er(s): B	nF   Date: /0//8///
				12000 10/10/10
	<u> </u>			
	12/0			Non-isolated -flows into
j Su	btotal first page			i z isolated
	, I	Metric 5. Special Wetle	ande	Non
0 1	1 41	pento o. opeoiar men	MIND.	- Ilows into
x 10 pts.	subtotal C	and all that analy and source on indicator		drology (10) drology (5)  to Field to at wester end of end of wetter
Y to bre-		neck all that apply and score as indicated Bog (10)	l.	a field 7
		Fen (10)		1 weste
		Old growth forest (10)		at
		Mature forested wetland (5)		end of
	/	Lake Erle coastal/tributary wetlar	ad-unrestricted by	drology (10)
		Lake Erie coastal/tributary wetlar	nd-restricted hydro	lue + lan
	<b>c</b> /	Lake Plain Sand Prairies (Oak O	penings) (10)	<b>70.</b> 7
		Relict Wet Prairies (10)		
		Known occurrence state/federal		
		Significant migratory songbird/wa		
		Category 1 Welland, See Quest		- • •
-, [	O V	letric 6. Plant commu	ınities, int	erspersion, microtopography.
-51	٧			
20 pls.	subloiai 68	. Wetland Vegetation Communities.	Vegetation	Community Cover Scale
-		ore all present using 0 to 3 scale.	D	Absent or comprises <0.1ha (0.2471 acres) contiguous area
	_	Aquatic bed	1	Present and either comprises small part of wetland's
	10	★ Emergent		vegetation and is of moderate quality, or comprises a
	U,	X Shrub		significant part but is of low quality
	U	Forest	2	Present and either comprises significant part of wetland's
		Mudflats		vegetation and is of moderate quality or comprises a small
		Open water		part and is of high quality
		Other	3	Present and comprises significant part, or more, of wetland's
		horizontal (plan view) Interspersion.		vegetation and is of high quality
	58	lect only one. High (5)	Namatica D	escription of Vegetation Quality
		Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
	$\sim$	Moderate (3)	IOW	disturbance tolerant native species
	(1)	Moderately low (2)	mod	Native spp are dominant component of the vegetation,
	W	X Low (1)		although nonnative and/or disturbance tolerant native spp
		None (0)		can also be present, and species diversity moderate to
	Bc.	Coverage of invasive plants. Refer		moderately high, but generally w/o presence of rare
	to	Table 1 ORAM long form for list. Add		threatened or endangered spp
	OT (	ieduct points for coverage	high	A predominance of native species, with nonnative spp
	-	Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually
	(-5)	Moderate 25-75% cover (-3)		absent, and high spp diversity and often, but not always,
		Sparse 5-25% cover (-1)		the presence of rare, threatened, or endangered spp
		Nearly absent <5% cover (0)	nh•41 4 -	O white of a coulting
		Absent (1)	<del></del>	Open Water Class Quality
		Microtopography.		Absent <0.1ha (0.247 acres)
	500	re all present using 0 to 3 scale.  Vegetated hummucks/tussucks	2	Low 0.1 to <1ha (0.247 to 2.47 acres)  Moderale 1 to <4ha (2.47 to 9.88 acres)
		Coarse woody debris >15cm (6in)		High 4ha (9.88 acres) or more
	(0)	Standing dead >25cm (10in) dbh		
		Amphibian breeding pools	Microfoneau	aphy Cover Scale
		- In any aviolation processing public	0	Absent
			1	Present very small amounts or if more common
			••	of marginal quality
			2	Present in moderate amounts, but not of highest
			,	
	,			quality or in small amounts of highest quality
_			3	quality or in small amounts of highest quality  Present in moderate or greater amounts

End of Quantitative Rating. Complete Categorization Worksheets.

Site:	Everp	ower	Rater(s): B N	lŧ.			Date: 10/13/11
a	<u>ر</u> د ا	_	. Wetland Area	ı (size).			1
max 6 pts	subtotal	Select one s >50 acres (>/ 25 to <50 acr 10 to <25 acr 3 to <10 acre  0.3 to <3 acre 0.1 to <0.3 acre	ize class and assign 20.2ha) (6 pts) res (10.1 to <20.2ha) (4 res (4 to <10.1ha) (4 pt res (1.2 to <4ha) (3 pts) res (0.12 to <1.2ha) (2p res (0.04 to <0.12ha) 1.04ha) (0 pts)	score.  5 pts) s)		. \	verland AA non-isolati
5	17	Metric 2	. Upland b <mark>uf</mark> fe	rs and su	rrounding lan	d use.	
max 14 pis.	subtotal	WIDE. Buffer MEDIUM. Bu NARROW. B	e average buffer widt s average 50m (164ft) ffers average 25m to < uffers average 10m to OW. Buffers average	or more around 50m (82 to <16 <25m (32ft to <	i wetland perimeter (7 14ft) around wetland p 182ft) around wetland	7) erimeter (4) perimeter (1)	check.
	4	VERY LOW.  LOW. Old fie  MODERATE	of surrounding land 2nd growth or older for ld (>10 years), shrubla LY HIGH. Residential, , industrial, open pastu	est, prairie, sav nd, young seco fenced pasture,	rannah, wildlife area, nd growth forest. (5) , park, conservation ti	etc. (7) ilage, new fallow fie	əld. (3)
9	16	Metric 3	. Hydrology.				
max 30 pts.	subtotal	High pH ground Other ground Precipitation Seasonal/inte	water (3)	(3) × (am) (5)	100 year floodplain Between stream/la Part of wetland/upl Part of riparian or u	ke and other huma and (e.g. forest), co ipland corridor (1) dation/saturation.	n use (1) emplex (1) Score one or dbl check.
	0	>0.7 (27.6in) 0.4 to 0.7m (' X <0.4m (<15.7 3e. Modificat	(3) 15.7 to 27.6in) (2) in) (1) tions to natural hydro		Regularly inundate Seasonally inundat Seasonally saturate Score one or double	d/saturated (3) led (2) ed in upper 30cm ( e check and avera	12in) (1)
	3	None or none Recovered (7 Recovering (3 Recent or no	Ś)		Check all disturbated ditch tille dike weir stormwater input	point filling	. 2
9.5	25.5	Metric 4.	. Habitat Altera	ition and	Development,	F	
mex 20 pts.	subtotal (3)	None or none Recovered (3 Recovering (2 Recent or no	) ?) recovery (1) evelopment. Select o		•		
	@	Good (5)  Moderately go Fair (3)  Poor to fair (2) Poor (1)	ood (4) )	er double chan	k and avorana		
	45	None or none  Recovered (6)  Recovering (3)  Recent or no	) 3)	Y X	Check all disturban mowing grazing clearcutting	shrub herba sedin dredg val X farmi	

75.5 subtotal this page

ORAM v. 5.0 Field Form Quantitative Rating last revised 1 February 2001 jjm

Site: Everpower   Rater(s): BM F	-	Date: 10/18/11
25.5 subtotal this page		WetlandAh
0   25.5   Metric 5. Special Wetland		·
max 10 pts. subtotal Check all that apply and score a	s indicate	d.
Bog (10) Fen (10)		
Old growth forest (10)		
Mature forested wetland (5)		
Lake Erie coastal/tributary wetland-unres	stricted hyd	rology (10)
Lake Erie coastal/tributary wetland-restri		ogy (5)
Lake Plain Sand Prairies (Oak Openings	;) (10)	
Relict Wet Praires (10)		averal analis (40)
Known occurrence state/federal threater Significant migratory songbird/water fow		
Category 1 Wetland. See Question 5 Qu		
		erspersion, microtopography.
	-	
max 20pts. Bubtotal 6a. Wetland Vegetation Comm Score all present using 0 to 3 scale.	umues. O	Vegetation Community Cover Scale Absent or comprises <0.1ha (0.2471 acres) contiguous area
Aquatic bed	1	Present and either comprises small part of wetland's 1
Emergent	•	vegetation and is of moderate quality, or comprises a
Shrub		significant part but is of low quality
Forest	2	Present and either comprises significant part of wetland's 2
Mudflats		vegetation and is of moderate quality or comprises a small
Open water	3	part and is of high quality
Other6b. horizontal (plan view) Interspersio	-	Present and comprises significant part, or more, of wetland's 3 vegetation and is of high quality
Select only one.	***	vegetation and is or night quality
High (5)		Narrative Description of Vegetation Quality
Moderately high(4)		Low spp diversity and/or predominance of nonnative or low
Moderate (3)  Moderately low (2)		disturbance tolerant native species
initiation (2)		Native spp are dominant component of the vegetation, mod
Low (1) None (0)		although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to
6c. Coverage of invasive plants. Refer		moderately high, but generallyw/o presence of rare
Table 1 ORAM long form for list. Add		threatened or endangered spp to
or deduct points for coverage		A predominance of native species, with nonnative spp high
Extensive >75% cover (-5)		and/or disturbance tolerant native spp absent or virtually
Moderate 25-75% cover (-3)		absent, and high spp diversity and often, but not always,
Sparse 5-25% cover (-1) Nearly absent <5% cover (0)		the presence of rare, threatened, or endangered spp
Absent (1)		Mudflat and Open Water Class Quality
6d. Microtopography.	0	Absent <0.1ha (0.247 acres)
Score all present using 0 to 3 scale.	1	Low 0.1 to <1ha (0.247 to 2.47 acres)
Vegetated hummucks/tussucks	2	Moderate 1 to <4ha (2.47 to 9.88 acres)
Nation Standing dead >25cm (10in) dbh	3	High 4ha (9.88 acres) or more
Standing dead >25cm (10in) dbh		Microtonography Cover Spale
Amphibian breeding pools	0	Microtopography Cover Scale Absent
		Present very small amounts or if more common
	•	of marginal quality
	2	Present in moderate amounts, but not of highest
	···	quality or in small amounts of highest quality
23.5 GRAND TOTAL(max 100 pts)	3	Present in moderate or greater amounts
last revised 1 February 2001 jjm	l	and of highest quality

Site: Everpower	Rater(s): BM F	Date: 10 18 11
2 2 Metric 1. Wetland	Area (size).	
max 6 pts, subtotal Select one size class and assign score.		. Wetland BB
>50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2 10 to <25 acres (4 to <10.1ha) 3 to <10 acres (1.2 to <4ha) (3 0.3 to <3 acres (0.12 to <1.2ha 0.1 to <0.3 acres (0.04 to <0.1 <0.1 acres (0.04ha) (0 pts)	(4 pts) pts) ) (2pts)	Il flags 1801ated
3 5 Metric 2. Upland b	uffers and surrour	nding land use.
max 14 pts. subtotal 2a, Calculate average buffer width. Sele	ect only one and assign score. Do not	double check.
MEDIUM. Buffers average 25 NARROW. Buffers average 10	164ft) or more around wetland perimeten n to <50m (82 to <164ft) around wetlan n to <25m (32ft to <82ft) around wetl age <10m (<32ft) around wetland peri	nd perimeter (4) land perimeter (1)
3 LOW. Old field (>10 years), si X MODERATELY HIGH. Reside	elect one or double check and averag ler forest, prairie, savannah, wildlife ar rubland, young second growth forest, ntial, fenced pasture, park, conservation pasture, row cropping, mining, constru	ea, etc. (7) (5) on tillage, new fallow field. (3)
15 20 Metric 3. Hydrolog	y.	
max 30 pts. subtotal  3a. Sources of Water. Score all that application (1)  Seasonal/Intermittent surface of Perennial surface water (lake of Sc. Maximum water depth. Select only of Sc. (27.6in) (3)  0.4 to 0.7m (15.7 to 27.6in) (2)  3e. Modifications to natural hydrologic maximum water depth.	vater (3) one and assign score.	nnectivity. Score all that apply.  100 year floodplain (1) Between stream/lake and other human use (1) Part of wetland/upland (e.g. forest), complex (1) Part of riparian or upland corridor (1) ration inundation/saturation. Score one or dbl check. Semi- to permanently inundated/saturated (4) Regularly inundated/saturated (3) Seasonally inundated (2) Seasonally saturated in upper 30cm (12ln) (1) average.
None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1)	Check all disturbances observed ditch title dike weir stormwater input	point source (nonstormwater) filling/grading road bed/RR track dredging other
12 32 Metric 4. Habitat A	Iteration and Deve	elopment.
max 20 pts. subtotal 4a. Substrate disturbance. Score one of None or none apparent (4)  Recovered (3) Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select only or Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1)	double check and average.	
4c. Habitat alteration. Score one or dout None or none apparent (9)  Recovered (6) Recovering (3) Recent or no recovery (1)	Check all disturbances observed mowing grazing clearcutting selective cutting woody debris removal toxic pollutants	shrub/sapiing removal herbaceous/aquatic bed removal sedimentation dredging farming nutrient enrichment
subtotal this page		

Metric 5. Special Wetlands.  Check all that apoly and soors as Indicated.  Sog (10)  Indicate fire constatificating wetland-unrestricted hydrology (10)  Lake Eric constatificating wetland-restricted hydrology (10)  Raict Wat Praise (10)  Roman coordinate (10)  Roman courseries statisficating threatened or endangered species (10)  Significant imprisatory sorgistrictwater from habitat or usage (10)  Category (1 Wetland. See Question 1 Qualitative Rating (10)  Metric 6. Plant communities, interspersion, microtopography  Sorous all present using to 0 3 scale.  Aqueble bed Energent  Sorous all present using to 0 3 scale.  Aqueble bed Energent  Open water  1 Present and either comprises 40 this (12-247 acres) contiguous area segulificant part or wetland's vegetation and to individually or comprises 2 wegetation and to individually or comprises 3 small part and so frish quality.  1 Present and either comprises significant part or wetland's vegetation and to individually or comprises a small part of wetland's vegetation and or individually appropriate and significant part or wetland's vegetation and or individually high(i)  Moderately (iii) (iv) (iii)  None (iiii)  None (iii)  None (iii)  None (iii)  None (	Site: E	ver	power.	Rater(s): BM	F Date: 10 18
Check all that spoly and score as indicated.  Bog (15) Fent (15) Old growth forest (10) Mature forested welfand (8) Laise Eric coastal/tributary wetliend-unrestricted hydrology (10) Laise Plain Sand Prairies (Datk Openinga) (10) Relat Wel Prairies (10) Relat Wel Prairies (10) Relat Well Relate (10) Relative Relating (10) Relative Re	0	32 subtotal this pa	1	al Wetlands.	wetland BB
Fen (10) Old growth shorest (10) Mature foresteds welfand (5) Lake Eric coastal/tributary welfand-unrestricted hydrology (10) Lake Eric coastal/tributary welfand-matched hydrology (10) Relict Wel Praires (Dat Openingin) (10) Relict Welf Praires (	max 10 pts.	subtotal	<b>-</b>		
Se. Wetland Vegetation Communities. Score all present using 0 to 3 scale.  Aquatic bed    Emergent   Shrub		0	Fen (10) Old growth forest (10) Mature forested wetland Lake Erie coastal/tributa Lake Plain Sand Prairie Relict Wet Praires (10) Known occurrence state Significant migratory so	ary wetland-unrestricted hydrology ary wetland-restricted hydrology (5 s (Oak Openings) (10) e/federal threatened or endangere ngbird/water fowl habitat or usage	d species (10)
Sa. Wetland Vegetation Communities. Score all present using 0 to 3 scale. Aquetic bad Aquetic bad Communities. Shrub Copen water Other Oth	14	21	Bactain C. Diant		toronoroion miorotonography
Score all present using 0 to 3 scale.  Aquetic bed Present and either comprises <0.1 his (0.2471 acres) contiguous area expected on an incomprise of the comprises of the compri		06	•		
Aquatic bed Emergent Shrub Present and either comprises small part of wetland's vegetation and is of moderate quality or comprises a significant part but its of low quality Open water Other Other Sh. horizontal (plan view) Interspersion. Select only one. High (5) Moderately high(4) Moderately high(4) Low (1) None (6) None (7) None (7) None (7) Sec. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-4) Nearty absent -5% cover (-6) Sparse 5-25% cover (-7) Nearty absent -5% cover (-7) Score all present using 0 to 3 scale.  Vegetated hummucks/fussucks Coarse woody debria >15cm (6in) Standing dead >25cm (10in) dbh Amphiblan breeding pools  1 Present and either comprises significant part, or more, of wetland's vegetation and is of moderate quality or comprises a significant part of upacity or getation and is of moderate quality or comprises a significant part of wetland's vegetation and is of moderate quality or comprises a significant part of wetland's vegetation and is of moderate quality or comprises a significant part of wetland's vegetation and is of moderate quality or comprises a significant part of the learn of wetland's vegetation and is of moderate quality or comprises a significant part of wetland's vegetation and is of moderate quality or comprises a significant part of wetland's vegetation and is of moderate quality or comprises a significant part of significant part of wetland's vegetation and is of moderate quality or comprises a smal part and is of high quality or or manufact of high est part or disturbance tolerant native spoencies.  Narrative Description of Vegetation and is of high quality or predominance of nantwe species.  Narrative Description of Vegetation and comprises significant part or disturbance tolerant native spoencies of high species disturbance tolerant native spoencies.  Narrative Description of Vegetation and comprises si	max 20 pts.	subtatal			
Emergent					
Shrub   significant part but is of low quality   Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small part and is of high quality   Present and comprises significant part or wetland's vegetation and is of high quality or comprises a small part and is of high expectation and is of high quality or comprises a small part and is of high part and is of high expectation and is of high quality or comprises a small amounts of highest quality or comprises a small amounts or highest quality or comprises a small amounts or highest quality or comprises a small amounts or highest quality or small amounts or highest qua				' .	1 · ·
Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small part and is of high quality.  8b. horizontal (plan view) Interspersion.  Select only one.  High (5)  Moderately high(4)  Moderately (a)  Low (1)  Low (1)  None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5)  Moderate 25-75% cover (-5)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/hussucks  Coarse woody debria >15cm (6in)  Standing dead >25cm (10in) deb  Amphibian breeding pools  Microtopography Cover Scale  0 Absent (1)  1 Present in moderate a mounts, but not of highest quality  2 Present in moderate or greater amounts					
Mudfats   Vegetation and is of moderate quality or comprises a small pert and is of high quality   Present and comprises significant part, or more, of wedand's vegetation and is of high quality   Vegetation and is of high and is not high quality   Vegetation and is of high qualit		2			
Open water Other		_	<del> </del>	2	
Other  8b. horizontal (plan view) Interspersion.  Select only one.  High (5)  Moderately high(4)  Moderately high(4)  Moderately low (2)  Low (1)  None (0)  None (0)  None (0)  None (1)  None (1)  None (2)  Extensive >75% cover (-5)  Xoderate 52-57% cover (-5)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  Nearly absent <5% cover (0)  Standing dead >25cm (10ln) dbh  Mudflat and Open Water Class Quality  Mudflat and Open Water Class Quality  Mudflat and Open Water Class Quality  Microtopography  Score all present using 0 to 3 scale.  Vegetated hummucka/tussucks  Coarse woody debria > 15cm (6in)  Standing dead >25cm (10ln) dbh  Microtopography Cover Scale  Amphibian breeding pools  Microtopography Cover Scale  0 Absent  1 Present in moderate or greater amounts of highest quality  2 Present in moderate or greater amounts			<b>⊢</b>		
8b. horizontal (plan view) Interspersion.  Select only one.  High (5) Moderately high(4) Moderately (3) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-6) Moderate 25-75% cover (-7) Nearly absent <5% cover (-1) Nearly absent <5% cover (-1) Nearly absent <5% cover (-1) Sparse 5-25% cover (-1) Nearly absent <1% coverage of invasive plants. Score all present using 0 to 3 scale. Vegetated hummuckaflussucks Coarse woody debrie >15cm (6in) Standing dead >25cm (10ln) dbh Amphibian breeding pools  Microtopography Cover Scale  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  Present in moderate or greater amounts				2	
Select only one.    High (5)				<del></del>	·
High (5) Moderately high(4) Moderately high(4) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 2-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography.  6d. Microtopography Score all present using 0 to 3 scale. Vegetated hummucks/fussucks Coarse woody debria >15cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  O Absent  1 Present very small amounts or if more common of marginal quality  Present in moderate or greater amounts  Present in moderate or greater amounts			• • •		Achterrol, and is at man desire.
Moderately high(4) Moderately low (2) Low (1) None (0) 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) X Moderatel 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)  8d. Microtopography. Score all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10in) dbh X Amphibian breeding pools  Microtopography Cover Scale  0 Absent 1 Present very small amounts of highest quality 1 Present in moderate or greater amounts 1 Present in moderate or greater amounts 2 Present in moderate or greater amounts				Noestiva Dagarintia	on of Vegetation Quality
Moderate (3)   Moderate (3)   Moderate (3)   Moderately low (2)   Low (1)   Altive spp are dominiant component of the vegetation, although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp and/or disturbance tolerant native spp excessive >75% cover (-3)   A predominence of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually absent, and high sp diversity and often, but not always, the presence of rare, threatened, or endangered spp      Moderate 25-75% cover (-1)   Nearly absent <1)   Mudflat and Open Water Class Quality	,			<del></del>	
Moderately low (2) Low (1) None (0) None (0) Sec. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage Extensive >75% cover (-5) Moderate 25-75% cover (-5) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)  8d. Microtopography. Score all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debria >15cm (6in) Standing dead >25cm (10ln) dbh Standing dead >25cm (10ln) dbh Microtopography Cover Scale  O Absent  1 Present very small amounts or if more common of marginal quality  Present in moderate or greater amounts.				1044	
Low (1) None (0)  6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1) 6d. Microtopography. Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debrie >15cm (6in) Standing dead >25cm (10ln) dbh Amphibian breeding pools  Microtopography Cover Scale  O Absent  Present very small amounts or ingrest quality  Although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to moderately high, but generallyw/o presence of rare threatened or endangered spp and/or disturbance tolerant native spp and/or disturbance		2		mod	
Absent (1)  8d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debria >16cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools  Amphibian breeding pools  Amphibian breeding pools  Coarse woody debria >16cm (6in) Standing dead >25cm (10in) dbh Reference of marginal quality  Amphibian breeding pools  Coarse woody debria >16cm (6in) Standing dead >25cm (10in) dbh Reference of marginal quality or in small amounts of highest quality  Present in moderate amounts.  Coarse amounts  Coarse woody debria >16cm (6in) Standing dead >25cm (10in) dbh Reference of rare.  Coarse woody debria >16cm (6in) Standing dead >25cm (10in) dbh Reference of rare.  Amphibian breeding pools  Coarse woody debria >16cm (6in) Standing dead >25cm (10in) dbh Reference of rare.  Coarse woody debria >16cm (6in) Standing dead >25cm (10in) dbh Reference of rare.  Mudflat and Open Water Class Quality  O Absent (0.0.47 acres)  1 Low 0.1 to <1ha (0.247 to 2.47 to 9.88 acres)  Microtopography Cover Scale  O Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  Present in moderate or greater amounts		_		11100	
6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  Coarse woody debria >15cm (6in)  Standing dead >25cm (10in) dbh  Amphibian breeding pools  Microtopography Cover Scale  O Absent  1 Present very small amounts or if more common of marginal quality  2 Present in moderate amounts, but not of highest quality  1 Present in moderate amounts  moderately high, but generallyw/o presence of rare threatened or endangered spp  A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp  Mudflat and Open Water Class Quality  0 Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 9.88 acres)  High 4ha (9.88 acres) or more  Microtopography Cover Scale  1 Present very small amounts or if more common of marginal quality  2 Present in moderate amounts, but not of highest quality or in small amounts of highest quality		•	` '		
to Table 1 ORAM long form for list. Add or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)  6d. Microtopography. Score all present using 0 to 3 scale. Vegetated hummucks/tussucks Coarse woody debria >15cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  0 Absent 1 Present very small amounts or if more common of marginal quality  1 Present in moderate amounts, but not of highest quality  1 Present in moderate or greater amounts				Defer	
or deduct points for coverage  Extensive >75% cover (-5)  Moderate 25-75% cover (-3)  Sparse 5-25% cover (-1)  Nearly absent <5% cover (0)  Absent (1)  6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  Coarse woody debria >15cm (6in)  Standing dead >25cm (10ln) dbh  Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality  Present in moderate or greater amounts					
Extensive >75% cover (-5)  Moderate 25-75% cover (-3) Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)  6d. Microtopography. Score all present using 0 to 3 scale. Vegetated hummucks/fussucks Coarse woody debria >15cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  O Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  Present in moderate or greater amounts			•		<del></del>
Absent (1)  6d. Microtopography. Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debria >15cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  Present very small amounts or if more common of marginal quality  1 Present in moderate amounts, but not of highest quality  absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp  Mudflat and Open Water Class Quality  0 Absent <0.1ha (0.247 acres)  1 Low 0.1 to <1ha (0.247 to 2.47 acres)  Wicrotopography Cover Scale  0 Absent  1 Present very small amounts or if more common of marginal quality  2 Present in moderate amounts, but not of highest quality  3 Present in moderate or greater amounts			- · · · · · · · · · · · · · · · · · · ·	<del>-</del>	1 '
Sparse 5-25% cover (-1) Nearly absent <5% cover (0) Absent (1)  6d. Microtopography. Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debria >16cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  3 Present in moderate or greater amounts				•	
Nearly absent <5% cover (0) Absent (1)  8d. Microtopography. Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debria >15cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding poots  Microtopography Cover Scale  Microtopography Cover Scale  Amphibian breeding poots  Microtopography Cover Scale  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality  Present in moderate or greater amounts				* *	
Absent (1)  Absent (1)  Absent (1)  Mudflat and Open Water Class Quality  O Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)  Vegetated hummucks/tussucks  Coarse woody debris >15cm (6in)  Standing dead >25cm (10ln) dbh Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  O Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  3 Present in moderate or greater amounts		(-3	) <del>    '</del> '	·	1
6d. Microtopography.  Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks  Coarse woody debrie >15cm (6in)  Standing dead >25cm (10ln) dbh Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  3 Present in moderate or greater amounts					Vater Class Quality
Score all present using 0 to 3 scale.  Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10ln) dbh Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  Absent  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality  Present in moderate or greater amounts			<u> </u>		
Vegetated hummucks/tussucks Coarse woody debris >15cm (6in) Standing dead >25cm (10ln) dbh Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  Microtopography Cover Scale  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  Present in moderate or greater amounts				<del></del>	
Coarse woody debria >15cm (6in) Standing dead >25cm (10in) dbh Amphibian breeding pools  Microtopography Cover Scale  Microtopography Cover Scale  Present very small amounts or if more common of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  Resent in moderate or greater amounts					
Standing dead >25cm (10ln) dbh Amphibian breeding pools  Microtopography Cover Scale    Description   Description		_	<del></del>		
Amphibian breeding pools  Microtopography Cover Scale  O Absent  1 Present very small amounts or if more common of marginal quality  2 Present in moderate amounts, but not of highest quality or in small amounts of highest quality  3 Present in moderate or greater amounts		3	<u> </u>	* * * * * * * * * * * * * * * * * * * *	
0 Absent 1 Present very small amounts or if more common of marginal quality 2 Present in moderate amounts, but not of highest quality or in small amounts of highest quality 3 Present in moderate or greater amounts			<b>—</b>		over Scale
of marginal quality  Present in moderate amounts, but not of highest quality or in small amounts of highest quality  Present in moderate or greater amounts			ما قاسمه در استان المناه	·	
2 Present in moderate amounts, but not of highest quality or in small amounts of highest quality 3 Present in moderate or greater amounts				1	Present very small amounts or if more common
quality or in small amounts of highest quality  3 Present in moderate or greater amounts				·	of marginal quality
quality or in small amounts of highest quality  3 Present in moderate or greater amounts				2	Present in moderate amounts, but not of highest
				<u> </u>	quality or in small amounts of highest quality
مناهد بعد فعرموا مناهد المراجع				3	Present in moderate or greater amounts
and or nignest quality		_			and of highest quality
36 GRAND TOTAL(max 100 pts)	36	GRAN	O TOTAL(max 100 nts)	1	

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between waitand categories at the following address: http://www.epa.state.oh.us/dsw/401/401.htm

ORAM v. 5.0 Field Form Quantitative Rating	
Site: EVER POWER PH.2 Rater(s): B. M. FACK INBURG-	Date: /0/19///
Metric 1. Wetland Area (size). WETL.	AND: CC
max 6 pts. subtotal Select one size class and assign score. >50 ecres (>20.2ha) (6 pts)	HED & ADJACENT
25 to <50 acres (10.1 to <20.2ha) (5 pts) 10 to <25 acres (4 to <10.1ha) (4 pts)	Hebrian
3 to <10 acres (1.2 to <4ha) (3 pts) 0.3 to <3 acres (0.12 to <1.2ha) (2pts)	flags:
0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt) <0.1 acres (0.04ha) (0 pts)	in Ac.: 4.10
Metric 2. Upland buffers and surrounding lan	d use.
max 14 pts. subside 2a. Calculate average buffer width. Select only one and assign score. Do not double check.	•
MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4)	
VERY NARROW. Buffers average <10m (<32ff) around welland perintered (v)	•
VERY LOW. 2nd growth or older forest, prairie, savannah, wilding area, etc. (7)	
MODERATELY HIGH. Residential, fenced pasture, park, conservation fillage, new fallough HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)	ow field. (3)
	·
3a. Sources of Water. Score all that apply. 3b: Connectivity. Score	
High pH groundwater (5)  Between stream	n/iake and other human use (1) upland (e.g. forest), complex (1)
Seasonal/Intermittent surface water (3) Part of riparian	or upland corridor (1) saturation, Score one or dbl check.
Sentil- to perma	mently inundated/saturated (4)
0.4 to 0.7m (15.7 to 27.6in) (2)	
3e. Módifications to natural hydrologic regime. Score one or double check and average:	urated in opport social (12m) (1)
None or none apparent (12) Check all disturbances observed	onslomwater)
Recovering (3) Recent or no recovery (1)  Resolvered (7)  Tille  Tilling/grading road bed/RR to	ack
weir dredging weir	Moway
5.5 22.5 Metric 4. Habitat Alteration and Developmen	t.
max 20 pts. subtotal 4a. Substrate disturbance. Score one or double check and average.  None or none apparent (4)	•
Recovered (3)  X Recovering (2)	
Recovering (2) Recent or no recovery (1)  4b. Habitat development. Select only one and assign score.	
Excellent (7) Very good (5)	
Good (5) Moderately good (4)	•
Fair (3) Poor to fair (2)	•
Y Poor (1) 4c. Habitat alteration. Score one or double check and average.	· · · · · · · · · · · · · · · · · · ·
None or none apparent (9) Check all disturbances observed	removal
(2) Recovering (3) grazing herbaceous/s	aquatic bed removal
Recent or no recovery (1)  Clearcutting selective cutting diredging woody debris removal rarming	
22.5 woody debris removal toxic pollutants inutrient enrice	hment
subtolal this page	H

SITE: EVER POWER PH.2- 1	Rateris): RRAD	FALKINBURG Date: 16/19/11
21.5		WETLANDICC
subtotal this page		ME ICHO D
**の 245 Metric 5. Special W	etlands	
mex to pts. subtotal Check all that apply and score as indicated		
, Fen (10)	•	
Old growth forest (10)		•
Mature forested wetland (5)  Lake Erie coastal/tributary wetla	unalmhud batabhaanu ba	(dô)
Lake Eile coastal/tributary wetta		• *
Lake Plain Sand Prairies (Oak C	•	•
Relict Wet Praires (10)		
Known occurrence state/federal		
Significant migratory songbird/w Category 1 Welland: See Ques		
	•	
-4   17.5   Metric 6. Plant com	ımunitles, in	terspersion, microtopography.
mex 20 pts. subtotal 6a. Wetland Vegetation Communities.	Vegetation Commu	nity Cover Scale
Score all present using 0 to 3 scale.	00	Absent or comprises <0.1ha (0.2471 acres) contiguous area
Aquatic bed	. 1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a
Emergent		significant:part.but is of low quality
Forest	2	Present and either comprises significant part of wetland's
Mudflats	,	vegetation and is of moderate quality or comprises a small
Open water ,		part and is of high quality
Other	- ,3	Present and comprises significant part, or more, of welland's vegetation and is of high quality.
6b. honzontal (plan view) Interspersion. Sélect only one.		vegerdaunienio is on niger ducinty.
, High (5)	Narrative Description	on of Vegetation Quality
Moderately high(4)	low	Low spp diversity and/or predominance of nonnative or
Moderate (3)		disturbance telerant native species
Moderately low (2)	mod	Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp
X None (0)		can also be present, and species diversity moderate to
6c. Coverage of invasive plants. Refer		moderately high, but generallywlo presence of rare
to Table 1 ORAM long form for list, Add		threatened or endangered spp
or deduct points for coverage	high .	A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually
Extensive >75% cover (-5)  Moderate 25-75% cover (-3)		absent, and high spp diversity and often, but not always,
Sparee 5-25% cover (-1)		the presence of rare, threatened, or endangered spp
Nearly absent <5% cover (0)		
Absent (1)		Nater Class Quality
6d. Microtopography.  Score all present using 0 to 3 scale.	<u> </u>	Absent <0.1ha (0.247 acres)  Low 0.1 to <1ha (0.247 to 2.47 acres)
Vegetated hummucks/tussucks		Moderate 1 to <4ha (2.47 to 9.88 acres)
Coarse woody debris >15cm (6	in) 3	High 4ha (9.88 acres) or more
Standing dead >25cm (10in) db		hanna danta
Amphibian breeding pools	Microtopography C 0	Absent
-	1	Present very small amounts or if more common
	· · · · · · · · · · · · · · · · · · ·	of marginal quality
,	2	Present in moderate amounts, but not of highest
	3	quality or in small amounts of highest quality  Present in moderate or greater amounts
	3	and of highest quality
The first in the second	· · · · · · · · · · · · · · · · · · ·	
17.5 GRAND TOTAL(max 100 pts)		·"( · · ·

This foregoing document was electronically filed with the Public Utilities

**Commission of Ohio Docketing Information System on** 

5/15/2012 3:24:15 PM

in

Case No(s). 12-0160-EL-BGN

Summary: Application of Champaign Wind LLC, Vol II, Part 6 electronically filed by Mr. Michael J. Settineri on behalf of Champaign Wind LLC