



Delineated Water Features Mapbook EXHIBIT 5 - 6



Appendix A

Wetland Delineation Data Forms

Winnebago Solar and Storage Project Faribault County, Minnesota

Project/Site: _Winnebago Solar and Storage Project	C	_ City/County: Faribault County Sampling Date: 2021-07-15				
Applicant/Owner: Glidepath Power Solutions, LLC		State: Minnesota Sampling Point: NW-A-01				
Investigator(s): ALM				nge: Section 13, T103N, R028W		
				(concave, convex, none): Concave		
Slope (%): 0-3 Lat: 43.7256195	L	.ong: -94.	138633:	3 Datum: WGS 84		
Soil Map Unit Name: Madelia silty clay loam, 0 to 2 pe	ercent s	lopes		NWI classification:		
Are climatic / hydrologic conditions on the site typical for this tir						
Are Vegetation, Soil, or Hydrology sign	nificantly d	listurbed?	Are	'Normal Circumstances" present? Yes 🗾 No		
Are Vegetation, Soil, or Hydrology natu				eeded, explain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map sh			g point l	ocations, transects, important features, etc.		
Hydrophytic Vegetation Present? Yes <u>v</u> No _ Hydric Soil Present? Yes <u>v</u> No _ Wetland Hydrology Present? Yes <u>No _</u> Remarks: Drain tile inlet nearby, hydric soils are	v	withi	e Sampled n a Wetlar onditic	nd? Yes No		
VEGETATION – Use scientific names of plants.		. Dry C				
	bsolute	Dominant	Indicator	Dominance Test worksheet:		
		Species?		Number of Dominant Species		
1				That Are OBL, FACW, or FAC: 1 (A)		
2				Total Number of Dominant		
3				Species Across All Strata: 2 (B)		
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)		
		= Total Cov	er			
Sapling/Shrub Stratum (Plot size: 15 ft r)				Prevalence Index worksheet:		
1				$\frac{\text{Total \% Cover of:}}{\text{OBL species } 0} \frac{\text{Multiply by:}}{\text{x 1 = } 0}$		
2				FACW species 50 $x = 100$		
4				FAC species $2 \times 3 = 6$		
5.				FACU species 50 x 4 = 200		
		= Total Cov	er	UPL species 0 x 5 = 0		
Herb Stratum (Plot size: <u>5 ft r</u>)	50	~	FACW	Column Totals: 102 (A) 306 (B)		
	35		FACU	Prevalence Index = B/A = 3.00		
	10		FACU	Hydrophytic Vegetation Indicators:		
	5		FACU	1 - Rapid Test for Hydrophytic Vegetation		
	2		FAC	2 - Dominance Test is >50%		
6				✓ 3 - Prevalence Index is ≤3.0 ¹		
7				4 - Morphological Adaptations ¹ (Provide supporting		
8				data in Remarks or on a separate sheet)		
9				Problematic Hydrophytic Vegetation ¹ (Explain)		
10				¹ Indicators of hydric coil and watland hydrology must		
Woody Vine Stratum (Plot size: 30 ft r)	102% =	= Total Cov	er	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
1				Hydrophytic		
2		Tatal Or		Vegetation Present? Yes <u> V</u> No		
Remarks: (Include photo numbers here or on a separate she		= Total Cov	er			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ment the	indicator	or confir	n the absence	of indicators.)		
Depth	Matrix			x Feature						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-5	10YR 2/2	100					Clay Loam			
<u> </u>	10YR 3/2	60	10YR 3/4	10	<u> </u>	<u>M</u>	Clay Loam			
-	10YR 4/1	30						Dual matrix		
20 ⁻ 28	2.5Y 6/4	60	7.5YR 4/6	5	С	М	Clay Loam			
-	2.5Y 6/1	35						Dual matrix		
		lation DM					21 continu	DI-Dere Liping M-Metrix		
Hydric Soil		letion, Riv	I=Reduced Matrix, M	5=maske	a Sana Gr	ains.		: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :		
Histosol			Sandy	Gleved M	atrix (S4)			Prairie Redox (A16)		
I —	pipedon (A2)			Redox (S				urface (S7)		
Black Hi				d Matrix (anganese Masses (F12)		
	n Sulfide (A4)				ineral (F1)			hallow Dark Surface (TF12)		
	Layers (A5)				latrix (F2)			(Explain in Remarks)		
2 cm Mu	ick (A10)			d Matrix						
Depleted	Below Dark Surfac	e (A11)	Redox	Dark Surf	ace (F6)					
Thick Da	ark Surface (A12)				urface (F7))	³ Indicators	of hydrophytic vegetation and		
	lucky Mineral (S1)		Redox	Depressio	ons (F8)			d hydrology must be present,		
	icky Peat or Peat (S						unless	disturbed or problematic.		
	_ayer (if observed)									
Туре:							Hydric Soil	Present? Yes No		
Depth (ind	ches):									
Remarks:										
Soils dr	y & crumbly.	Relic	hydric soils							
	y a oraniory	. Itelie	nyano sono							
HYDROLO	GY									
Wetland Hyd	drology Indicators:									
Primary Indic	ators (minimum of c	one is requ	ired; check all that a	oply)			Seconda	ry Indicators (minimum of two required)		
Surface	Water (A1)		Water-Sta	ined Lea	ves (B9)		Surface Soil Cracks (B6)			
	ter Table (A2)		Aquatic Fa		, ,		Drainage Patterns (B10)			
Saturatio	on (A3)		True Aqua				Dry-Season Water Table (C2)			
	arks (B1)		Hydrogen		. ,			/fish Burrows (C8)		
1	nt Deposits (B2)				eres on Liv	ing Roots		iration Visible on Aerial Imagery (C9)		
	oosits (B3)				ed Iron (C4	•	· · —	ated or Stressed Plants (D1)		
	at or Crust (B4)				tion in Tille			morphic Position (D2)		
	oosits (B5)		Thin Muck				· <u> </u>	-Neutral Test (D5)		
· - ·	on Visible on Aerial	magery (E								
I —	Vegetated Concav		·							
Field Obser					,					
Surface Wate	er Present? Y	es	No Depth (in	ches):						
Water Table			No Depth (in							
Saturation P			No <u>V</u> Depth (in				land Hydrology	y Present? Yes No		
(includes cap	oillary fringe)		· · ·					,		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
Remarks:										
Dry & crumbly soils to 28in. drain tile located nearby - see map.										
			-				•			

Project/Site: Winnebago Solar	City/County: Faribault County	Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesota	Sampling Point: NW-A-02
Investigator(s): ALM	Section, Township, Range: Section 12, T10	3N, R28W
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, none):	
Slope (%): 0-3 Lat: 43.7376580	Long: -94.1470656	Datum: WGS 84
Soil Map Unit Name: Webster clay loam, 0 to 2 percent slop	Des NWI classifie	_{cation:} n/a
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No 🗹 (If no, explain in R	Remarks.)
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances" g	present? Yes 🔽 No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answe	ers in Remarks.)

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No <u>v</u> No <u>v</u> No <u>v</u>	ls the Sampled Area within a Wetland?	Yes	No
Remarks:					

In planted corn field. Dry conditions.

VEGETATION - Use scientific names of plants.

20.4	Absolute Dominant Indicator	
Tree Stratum (Plot size:30 ft r) 1	<u>% Cover</u> <u>Species?</u> <u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Species Across All Strata: 0 (B)
4 5		 Percent of Dominant Species That Are OBL, FACW, or FAC: <u>NaN</u> (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		Prevalence Index worksheet:
1		Total % Cover of: Multiply by:
		$\begin{array}{c} \hline \\ OBL \text{ species} \\ \hline \\ \end{array} \begin{array}{c} 0 \\ \hline \\ \end{array} \\ \hline \\ x 1 = \\ \hline \\ \end{array} \begin{array}{c} \hline \\ x 1 = \\ \hline \\ \end{array} \end{array}$
2		FACW species $0 \times 2 = 0$
3		-
4		FAC species 0 $x 3 = 0$
5		FACU species 0 $x 4 = 0$
F t	= Total Cover	UPL species 0 x 5 = 0
Herb Stratum (Plot size: <u>5 ft r</u>)		Column Totals: <u>0</u> (A) <u>0</u> (B)
1		-
2		Prevalence Index = B/A = NaN
3		Hydrophytic Vegetation Indicators:
4		1 - Rapid Test for Hydrophytic Vegetation
5		2 - Dominance Test is >50%
6.		
7		 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8 9		 Problematic Hydrophytic Vegetation¹ (Explain)
10		
Woody Vine Stratum (Plot size: 30 ft r)	= Total Cover	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1		- Hydrophytic
2		Vegetation
	= Total Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate	sheet.)	
	,	
No vegetation present other than p	planted corn. Corn is	s 8 ft tall, no signs of stress.

Profile Desc	cription: (Describe	to the depth r	needed to docur	nent the i	ndicator	or confirm	n the absence	of indicator	rs.)	
Depth	Matrix		Redo	x Features	6					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0 - 16	10YR 2/1	100					Clay Loam			
<u>16 ⁻ 24</u>	10YR 2/1						Clay Loam			
-	2.5Y 5/2	40						Dual mat	trix	
-										
-										
-										
-										
¹ Type: C=C	oncentration, D=Dep	letion, RM=Re	duced Matrix, MS	S=Masked	Sand Gra	ains.	² Location	: PL=Pore L	ining, M=Ma	atrix.
Hydric Soil	Indicators:							for Problem		
Histosol	(A1)		Sandy (Sleyed Ma	trix (S4)		Coast	Prairie Redo	x (A16)	
	pipedon (A2)			Redox (S5)				Surface (S7)	(,	
	istic (A3)		Stripped	Matrix (S	6)		Iron-M	anganese M	asses (F12)	
Hydroge	en Sulfide (A4)		Loamy I	Mucky Min	eral (F1)		Very S	hallow Dark	Surface (TF	12)
	d Layers (A5)			Gleyed Ma				(Explain in R		,
2 cm Mi	uck (A10)		Deplete	d Matrix (F	-3)					
Deplete	d Below Dark Surfac	æ (A11)	Redox [Dark Surfa	ce (F6)					
Thick Da	ark Surface (A12)		Deplete	d Dark Su	rface (F7)		³ Indicators	of hydrophy	rtic vegetatio	n and
Sandy M	Aucky Mineral (S1)		Redox [Depressior	ns (F8)		wetland	d hydrology r	must be pres	sent,
5 cm Mi	ucky Peat or Peat (S	3)					unless	disturbed or	problematic	×.
Restrictive	Layer (if observed)	:								
Туре:			-				Hydric Soil	Present?	Yes	No
Depth (in	ches):		-							
Remarks:										
HYDROLO										
-	drology Indicators:									
	cators (minimum of o	one is required;						· · · · · · · · · · · · · · · · · · ·		of two required)
	Water (A1)		Water-Sta		, ,			face Soil Cra	, ,	
I —	ater Table (A2)		Aquatic Fa	, ,				inage Patterr	. ,	
Saturati	on (A3)		True Aqua				Dry-	-Season Wat	er Table (C2	2)
Water M	larks (B1)		Hydrogen	Sulfide Od	lor (C1)		Cray	yfish Burrows	s (C8)	
Sedime	nt Deposits (B2)		Oxidized F	Rhizospher	res on Liv	ing Roots	(C3) Satu	uration Visible	e on Aerial I	magery (C9)
Drift De	posits (B3)		Presence	of Reduce	d Iron (C4)	Stur	nted or Stress	sed Plants (l	D1)
Algal Ma	at or Crust (B4)		Recent Iro	n Reductio	on in Tilleo	d Soils (Ce	6) Geo	morphic Pos	sition (D2)	

____ FAC-Neutral Test (D5)

____ Thin Muck Surface (C7) ____ Iron Deposits (B5) ___ Inundation Visible on Aerial Imagery (B7) ___ Gauge or Well Data (D9) ____ Sparsely Vegetated Concave Surface (B8) ____ Other (Explain in Remarks) Field Observations: Yes _____ No ____ Depth (inches): ____ Surface Water Present? Yes _____ No ____ Depth (inches): _____ Water Table Present? Wetland Hydrology Present? Yes _____ No ____ ___ No ____ Depth (inches): ___ Saturation Present? Yes ____ (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Project/Site: Winnebago Solar	City/County: Faribault Co	ounty	Sampling Date: 20	021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC		State: Minnesota	Sampling Point: W	B-A-01-up
Investigator(s): ALM	Section, Township, Range:	Section 13, T103	3N, R028W	
Landform (hillslope, terrace, etc.): Hillslope		ave, convex, none):	_	
Slope (%): 6-10 Lat: 43.7253261	Long: -94.1388566		Datum: WGS 84	
Soil Map Unit Name: Madelia silty clay loam, 0 to 2 percent	slopes	NWI classific	ation: N/A	
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No 🗹	_ (If no, explain in R	emarks.)	
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Norm	nal Circumstances" p	resent?Yes 🔽	No
Are Vegetation, Soil, or Hydrology naturally pro	oblematic? (If needed	, explain any answe	rs in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes N	No No No	ls the Sampled Area within a Wetland?	Yes	No
Remarks:					

Dry Conditions.

VEGETATION – Use scientific names of plants.

20.64 -	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	<u>% Cover</u>	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Deminent
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Cov	/er	Prevalence Index worksheet:
				Total % Cover of: Multiply by:
1				
2	·			OBL species $\frac{0}{7}$ x 1 = $\frac{0}{11}$
3				FACW species <u>7</u> x 2 = <u>14</u>
4				FAC species 0 x 3 = 0
5				FACU species <u>85</u> x 4 = <u>340</u>
		= Total Cov	/er	UPL species 0 x 5 = 0
Herb Stratum (Plot size: <u>5 ft r</u>)		rotal oo		Column Totals: 92 (A) 354 (B)
1. Bromus inermis	70	~	FACU	
2. Cirsium arvense	10		FACU	Prevalence Index = B/A = 3.85
3. Asclepias syriaca	5		FACU	Hydrophytic Vegetation Indicators:
4. Fraxinus pennsylvanica	5		FACW	1 - Rapid Test for Hydrophytic Vegetation
5. Equisetum hyemale	2		FACW	2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9	·			
10				¹ Indicators of hydric soil and wetland hydrology must
30 ft r	92%	= Total Cov	/er	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30 ft r)				
1	·			Hydrophytic
2				Vegetation
		= Total Cov	/er	Present? Yes No V
Remarks: (Include photo numbers here or on a separate s	sheet.)			

Profile Desc	cription: (Describe	to the dept	th needed to document th	e indicator	or confirm	n the absence of indicat	tors.)	
Depth	Matrix		Redox Feat					
(inches)	Color (moist)	%	Color (moist) %	Type ¹	_Loc ²	Texture	Remarks	
0 - 5	10YR 2/2	100				Clay Loam		
<u>5 - 25</u>	10YR 3/3	100				Clay Loam		
-								
-								
-								
-						2		
		oletion, RM=	Reduced Matrix, MS=Mas	ked Sand Gr	ains.	² Location: PL=Pore		
Hydric Soil							ematic Hydric Soils ³ :	
Histosol	. ,		Sandy Gleyed	. ,		Coast Prairie Re	. ,	
· - ·	pipedon (A2)		Sandy Redox	,		Dark Surface (S7	,	
	istic (A3)		Stripped Matrix	. ,		Iron-Manganese		
	en Sulfide (A4)		Loamy Mucky			Very Shallow Dark Surface (TF12)		
1	d Layers (A5)		Loamy Gleyed			Other (Explain in	Remarks)	
	uck (A10)		Depleted Matri					
· — ·	d Below Dark Surfac	ce (A11)	Redox Dark S	()		31	la d'anna a da d'anna an d	
	ark Surface (A12)		Depleted Dark)		hytic vegetation and	
	Aucky Mineral (S1)		Redox Depres	sions (F8)		, ,	y must be present,	
	ucky Peat or Peat (S Layer (if observed)	,				unless disturbed	or problematic.	
Type:	Layer (II Observed)	•						
I	ches):					Hydric Soil Present?	Yes No	
	ches):							
Remarks:								
HYDROLO								
	drology Indicators							
Primary Indi	cators (minimum of	one is requir	ed; check all that apply)			Secondary Indicate	ors (minimum of two required)	
	Water (A1)		Water-Stained Le	, ,		Surface Soil C	, ,	
High Wa	ater Table (A2)		Aquatic Fauna (E	-		Drainage Patter	erns (B10)	
Saturati	on (A3)		True Aquatic Pla	nts (B14)		Dry-Season W	Vater Table (C2)	
Water M	larks (B1)		Hydrogen Sulfide	Odor (C1)		Crayfish Burro	ows (C8)	
Sedime	nt Deposits (B2)		Oxidized Rhizosp	heres on Liv	ing Roots	(C3) Saturation Vis	ible on Aerial Imagery (C9)	
Drift De	posits (B3)		Presence of Red	uced Iron (C	4)	Stunted or Str	essed Plants (D1)	

____ Recent Iron Reduction in Tilled Soils (C6) ____ Geomorphic Position (D2)

_	FAC-Neutral	Test (D5)
_	17to Hould	1001 (00)

Iron Deposits (B5)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)
Inundation Visible on Aerial Image	ery (B7) Gauge or Well Data (D9)	
Sparsely Vegetated Concave Sur	face (B8) Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? Yes	No Depth (inches):	
Water Table Present? Yes	No Depth (inches):	
Saturation Present? Yes (includes capillary fringe)	No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gaug	ge, monitoring well, aerial photos, previous inspect	ions), if available:
Remarks:		
No hydrology		

_ Algal Mat or Crust (B4)

Project/Site: Winnebago Solar	City/County: Faribault Cou	inty	Sampling Date: 2021-07-15			
Applicant/Owner: Glidepath Power Solutions, LLC		State: Minnesota	Sampling Point: WB-A-01-wet			
Investigator(s): ALM	Section, Township, Range: S	ection 13, T103	3N, R028W			
Landform (hillslope, terrace, etc.): Depression	Local relief (conca					
Slope (%): 0-3 Lat: 43.7253453	Long: -94.1389534		Datum: WGS 84			
Soil Map Unit Name: Madelia silty clay loam, 0 to 2 percent	slopes	NWI classific	ation: PEM1B/PUB			
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No	(If no, explain in R	emarks.)			
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Norma	l Circumstances" p	oresent? Yes 🔽 No			
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed,	explain any answe	rs in Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.						

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes V Yes V Yes V No No	Is the Sampled Area within a Wetland? Yes <u> </u>
Remarks:		

Data point taken in PEM part of wetland. Dry conditions.

VEGETATION – Use scientific names of plants.

00 ft -	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	<u>% Cover</u>	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 2 (A)
2.				
				Total Number of Dominant
3				Species Across All Strata: <u>3</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 66.7 (A/B)
		= Total Cov	er	
Sapling/Shrub Stratum (Plot size: 15 ft r)		10(0100)		Prevalence Index worksheet:
1. Ribes sp.	5	~	NI	Total % Cover of: Multiply by:
2. Sambucus nigra	E	~	FAC	OBL species 0 x 1 = 0
3				FACW species 95 x 2 = 190
4				FAC species 10 x 3 = 30
5				FACU species 0 x 4 = 0
5				UPL species $0 \times 5 = 0$
Herb Stratum (Plot size: <u>5 ft r</u>)	10 /₀	= Total Cov	ver	Column Totals: 105 (A) 220 (B)
1 Phalaris arundinacea	95	~	FACW	Column Totals: 100 (A) 220 (B)
2. Equisetum arvense	5		FAC	Prevalence Index = $B/A = 2.10$
3.				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
4				✓ 2 - Dominance Test is >50%
5				—
6				✓ 3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8				
9				Problematic Hydrophytic Vegetation ¹ (Explain)
10	100%			¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Cov	er	be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation
		= Total Cov	/er	Present? Yes No
Remarks: (Include photo numbers here or on a separate	sheet.)			·

Profile Des	cription: (Describe	to the de	oth needed to docu	ment the	indicator	or confirm	m the absence of ind	licators.)	
Depth	Matrix		Red	ox Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks	
0 - 35	10YR 2/1	95	10YR 3/3	5	С	M	Clay Loam		
-									
							·		
-									
-									
17			De duce d Metric M				21 a a a tia a a DI a	Dens Lisies M-Metric	
Hydric Soil	oncentration, D=Dep	etion, RIV	Reduced Matrix, M	IS=Maske	a Sana Gr	ains.		Pore Lining, M=Matrix. roblematic Hydric Soils ³ :	
Histoso			Sandy	Cloved M	otriv (SA)			e Redox (A16)	
	pipedon (A2)			Gleyed M Redox (S			Dark Surface		
	istic (A3)			d Matrix (,		Iron-Manganese Masses (F12)		
	en Sulfide (A4)				ineral (F1)		Very Shallow Dark Surface (TF12)		
	d Layers (A5)			Gleyed M			Other (Explain in Remarks)		
2 cm M	uck (A10)			ed Matrix (. ,				
· · ·	d Below Dark Surfac	e (A11)		Dark Surf	. ,				
	ark Surface (A12)				urface (F7)		drophytic vegetation and	
· — ·	Mucky Mineral (S1)	•	Redox	Depressio	ons (F8)			ology must be present,	
	ucky Peat or Peat (S						unless distur	bed or problematic.	
	Layer (if observed)								
Type:							Hydric Soil Prese	ent? Yes 🖌 No	
Depth (in	iches):								
Remarks:									
HYDROLC	GY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of o	one is requ	ired; check all that a	pply)			Secondary Ind	icators (minimum of two required)	
Surface	Water (A1)		Water-Sta	ained Leav	/es (B9)		Surface S	oil Cracks (B6)	
	ater Table (A2)			auna (B13	· · /			Patterns (B10)	
✓ Saturation (A3) True Aquatic Plants (B14)				Dry-Season Water Table (C2)					

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) High Water Table (A2) Aquatic Fauna (B13) Saturation (A3) True Aquatic Plants (B14) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) 	Stunted or Stressed Plants (D1)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes <u>V</u> No Depth (inches): <u>8</u>	,
Saturation Present? Yes <u>Ves</u> No Depth (inches): <u>2</u>	Wetland Hydrology Present? Yes Ves No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	ions), if available:
Remarks:	

Project/Site: Winnebago Solar	City/County: Faribault County	Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesota	Sampling Point: WB-A-02-up
Investigator(s): ALM	Section, Township, Range: Section 13, T10	
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, none)	
Slope (%): 6-10 Lat: 43.7244539	Long: -94.1398816	Datum: WGS 84
Soil Map Unit Name: Truman-Bold complex, 6 to 12 percent	t slopes, eroded NWI classifie	cation: N/A
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No 🖌 (If no, explain in F	Remarks.)
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances"	present? Yes 🔽 No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answe	ers in Remarks.)

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes N	No No No	ls the Sampled Area within a Wetland?	Yes	No
Remarks:					

Dry conditions.

VEGETATION – Use scientific names of plants.

20 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	<u>% Cover</u>	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0 (A/B)
15 ft r		= Total Co	/er	
Sapling/Shrub Stratum (Plot size: 15 ft r)				Prevalence Index worksheet:
1				Total % Cover of:Multiply by:
2				OBL species 0 x 1 = 0
3				FACW species <u>5</u> x 2 = <u>10</u>
				FAC species 0 x 3 = 0
4				FACU species 90 x 4 = 360
5				
5 ft r		= Total Co	/er	UPL species 0 x 5 = 0
<u>Herb Stratum</u> (Plot size: <u>5 ft r</u>) 1. Bromus inermis	70	~	FACU	Column Totals: <u>95</u> (A) <u>370</u> (B)
				2.00
2. Solidago canadensis	15		FACU	Prevalence Index = B/A = <u>3.89</u>
3. Asclepias syriaca	5		FACU	Hydrophytic Vegetation Indicators:
4. Fraxinus pennsylvanica	5		FACW	1 - Rapid Test for Hydrophytic Vegetation
5. Rubus sp.	5		NI	2 - Dominance Test is >50%
6.				3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9				
10				¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Co	/er	be present, unless disturbed or problematic.
Vitie en	5	~	NI	
_{1.} <u>Vitis sp.</u>	- 			Hydrophytic
2				Vegetation
	5%	= Total Co	/er	Present? Yes No
Remarks: (Include photo numbers here or on a separate s	sheet.)			

Profile Desc	ription: (Describ	e to the dep	th needed to docu	ment the i	indicator of	or confir	n the absence	of indicato	rs.)		
Depth	Matrix			ox Feature		. 2					
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	_Loc ²	Texture		Remarks		
0-4	10YR 2/1	100					Clay Loam				_
4-24	5Y 5/4	80					Clay Loam				
4-24	10YR 2/1	20						Dual ma	ıtrix		
-											
											_
					·						_
											—
-											
		epletion, RM=	Reduced Matrix, N	IS=Masked	d Sand Gra	ains.			Lining, M=Mat		
Hydric Soil									natic Hydric	Soils":	
Histosol	. ,			Gleyed Ma				Prairie Redo	ox (A16)		
· — ·	oipedon (A2) stic (A3)			Redox (S5 d Matrix (S				urface (S7)	lasses (F12)		
	en Sulfide (A4)			Mucky Mir	,			•	Surface (TF1	2)	
	d Layers (A5)			Gleyed Ma				Explain in F		_/	
1	ıck (A10)			ed Matrix (•	,		
Depleted	d Below Dark Surfa	ace (A11)	Redox	Dark Surfa	ace (F6)						
	ark Surface (A12)			ed Dark Su	· · ·				ytic vegetatior		
· ·	lucky Mineral (S1)		Redox	Depressio	ns (F8)				must be pres	ent,	
	icky Peat or Peat (Layer (if observed						uniess	disturbed o	r problematic.		
	Layer (II Observed										
	ches):						Hydric Soil	Present?	Yes	No 🗹	_
Remarks:											
HYDROLO											
Wetland Hy	drology Indicator	s:									
Primary India	cators (minimum o	f one is requi	red; check all that a	pply)			Seconda	ry Indicators	s (minimum o	i two require	<u>ed)</u>
Surface	Water (A1)		Water-Sta	ained Leav	es (B9)		Surf	ace Soil Cra	acks (B6)		
	ater Table (A2)			auna (B13	,			nage Patter	· · ·		
Saturatio	· ,			atic Plants	. ,				ter Table (C2))	
	larks (B1)		Hydroger					fish Burrow		(20)	
	nt Deposits (B2)			Rhizosphe		•	· · —		le on Aerial In		
· ·	posits (B3)		Presence			,			sed Plants (D	/1)	
	at or Crust (B4) posits (B5)		Recent In Thin Muc			a Solis (C	·	morphic Pos -Neutral Te			
·	on Visible on Aeria	l Imageny (B							SI (D5)		
	Vegetated Conca		, <u> </u>		. ,						
Field Obser				plaining	, marico /						
Surface Wat		Yes	No 🔽 Depth (ir	iches):							
Water Table			No <u> </u>								
Saturation P			No <u> </u>				land Hydrology	/ Present?	Yes	No 🗸	
(includes cap	oillary fringe)										_
Describe Re	corded Data (strea	im gauge, mo	onitoring well, aerial	photos, pr	evious ins	pections)	, if available:				
Remarks:											
No hydr	ology										

Project/Site: Winnebago Solar	_ City/County: Faribau	City/County: Faribault County Sampling Date: 2021-07-15				
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesota Sampling Point: WB-A-02-we					
Investigator(s): ALM	_ Section, Township, Range: Section 13, T103N, R028W					
		(concave, convex, none): <u>Concave</u>				
Slope (%): <u>3-6</u> Lat: <u>43.7245599</u>	Long:94.1400279	Datum: WGS 84				
Soil Map Unit Name: Truman-Bold complex, 6 to 12 perce						
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes No	 (If no, explain in Remarks.) 				
Are Vegetation, Soil, or Hydrology significan	tly disturbed? Are "	Normal Circumstances" present? Yes 🗾 No				
Are Vegetation, Soil, or Hydrology naturally	problematic? (If ne	eded, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing	ng sampling point l	ocations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes <u>V</u> No						
Wetland Hydrology Present? Yes <u>V</u> No	within a Wetlar	nd? Yes No				
Remarks:						
Dry Conditions. Forested floodplain wet	land, connects	to WC-01 off-site.				
VEGETATION – Use scientific names of plants.						
Absolu		Dominance Test worksheet:				
Tree Stratum (Plot size:30 ft r) % Cov 1. Fraxinus pennsylvanica 70	ver <u>Species?</u> <u>Status</u> ✓ FACW	Number of Dominant Species				
2		That Are OBL, FACW, or FAC: 2 (A)				
3		Total Number of Dominant Species Across All Strata: 2 (B)				
4						
5		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)				
15 ft r 70%	= Total Cover					
Sapling/Shrub Stratum (Plot size: 15 ft r)		Prevalence Index worksheet: Total % Cover of:Multiply by:				
1. 2.		$\begin{array}{c} \hline \hline \\ $				
3		FACW species 170 x 2 = 340				
4		FAC species $0 \times 3 = 0$				
5.		FACU species 0 x 4 = 0				
	= Total Cover	UPL species 0 x 5 = 0				
Herb Stratum (Plot size: 5 ft r)	✔ FACW	Column Totals: <u>170</u> (A) <u>340</u> (B)				
2		Prevalence Index = B/A = 2.00				
3		Hydrophytic Vegetation Indicators:				
4		✓ 1 - Rapid Test for Hydrophytic Vegetation				
5		✓ 2 - Dominance Test is >50%				
6		✓ 3 - Prevalence Index is ≤3.0 ¹				
7		4 - Morphological Adaptations ¹ (Provide supporting				
8		data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)				
9						
10	<u> </u>	¹ Indicators of hydric soil and wetland hydrology must				
Woody Vine Stratum (Plot size: 30 ft r)	= Total Cover	be present, unless disturbed or problematic.				
1		Undrealbutic				
2		Hydrophytic Vegetation				
	= Total Cover	Present? Yes No No				
Remarks: (Include photo numbers here or on a separate sheet.)		1				

SOIL								
Profile Desc	cription: (Describe	to the de	pth needed to docu	ment the	e indicator	or confir	m the absence	of indicators.)
Depth	Matrix			ox Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks
0 - 14	10YR 2/1	95	10YR 4/6	_ 5	<u>C</u>	M	Clay Loam	
-								
-		_		_				
-								
-								
		pletion, RM	M=Reduced Matrix, N	IS=Maske	ed Sand Gr	ains.		: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol	. ,			-	/latrix (S4)			Prairie Redox (A16)
	pipedon (A2)			Redox (S				urface (S7)
	istic (A3)			d Matrix	. ,			anganese Masses (F12)
	en Sulfide (A4)				lineral (F1)			hallow Dark Surface (TF12)
	d Layers (A5) uck (A10)			ed Matrix	Matrix (F2)			Explain in Remarks)
	d Below Dark Surfac	e (A11)	Redox					
·	ark Surface (A12)	~ (////)			Surface (F7)	³ Indicators	of hydrophytic vegetation and
	Aucky Mineral (S1)			Depressi		/		hydrology must be present,
	ucky Peat or Peat (S	3)		·	. ,			disturbed or problematic.
Restrictive	Layer (if observed)	:						
Туре:								
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:	,							
Hit imp	ervious laye	r @ 14	in					
IYDROLO	GY							
Wetland Hy	drology Indicators:	:						
Primary Indi	cators (minimum of o	one is req	uired; check all that a	pply)			Seconda	ry Indicators (minimum of two required)
Surface	Water (A1)		Water-St	ained Lea	ves (B9)		Surfa	ace Soil Cracks (B6)
	ater Table (A2)		Aquatic F					nage Patterns (B10)
Saturati			True Aqu	atic Plant	s (B14)			Season Water Table (C2)
	larks (B1)				Odor (C1)			rfish Burrows (C8)
	nt Deposits (B2)		_ , ,		neres on Liv	ing Roots		iration Visible on Aerial Imagery (C9)
	posits (B3)				ced Iron (C			ited or Stressed Plants (D1)
	at or Crust (B4)		_		tion in Tille	,		morphic Position (D2)
_ •	posits (B5)		Thin Muc					-Neutral Test (D5)
	on Visible on Aerial	lmagery (. ,			
	y Vegetated Concav		, <u> </u>		. ,			
Field Obser	<u> </u>		<u></u>					
Surface Wat		00	No Depth (ii	hee).				
Water Table	riesent?	'es	No Depth (i	nches):		— I		

 Surface Water Present?
 Yes _____ No ____ Depth (inches): ______

 Water Table Present?
 Yes _____ No ____ Depth (inches): ______

 Saturation Present?
 Yes _____ No ____ Depth (inches): _______

 Saturation Present?
 Yes _____ No ____ Depth (inches): _______

 (includes capillary fringe)
 Wetland Hydrology Present? Yes _____ No _____

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

 Remarks:

Project/Site: Winnebago Solar	City/County: Faribault County Sampling Date: 2021-07-1						
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minne	esota Sampling Point: WB-A-03-up					
Investigator(s): ALM	_ Section, Township, Range: Section 11, T103N, R028W						
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, none): Convex						
Slope (%): 3-6 Lat: 43.7360157	Long: -94.1517121	Datum: WGS 84					
Soil Map Unit Name: Webster clay loam, 0 to 2 percent slop	pes NWI cla	assification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No (If no, explai	n in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal Circumstan	ces" present? Yes 🖌 No					
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any a	inswers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
	1						

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes	No
Remarks:					

Dry Conditions. Data point on edge of planted cornfield & ditch

VEGETATION - Use scientific names of plants.

00 ft -	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Deminent
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0 (A/B)
n in total of the total of the second s		= Total Cov	er	Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15 ft r)				
1	·			Total % Cover of: Multiply by:
2				OBL species 0 x 1 = 0
3				FACW species 0 x 2 = 0
4				FAC species 0 x 3 = 0
				FACU species 40 x 4 = 160
5				UPL species $0 \times 5 = 0$
Herb Stratum (Plot size: 5 ft r)		= Total Cov	er	
1. Bromus inermis	40	~	FACU	Column Totals: <u>40</u> (A) <u>160</u> (B)
				Prevalence Index = $B/A = 4.00$
2				
3				Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptations ¹ (Provide supporting
7				data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9				
10				¹ Indicators of hydric soil and wetland hydrology must
20 # -	40%	= Total Cov	er	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30 ft r)				
1				Hydrophytic
2				Vegetation
		= Total Cov		Present? Yes No V
Remarks: (Include photo numbers here or on a separate s				1
	,		-	
On edge of cornfield, 60% corn 40%	% smoc	oth broi	ne. Co	rn 8 ft tall & not stressed.

Profile Desc	cription: (Describe	to the de	pth needed to docu	ment the	indicator	or confir	m the absence	of indicators.)
Depth	Matrix		Rede	ox Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks
0-6	10YR 2/1	100					Clay Loam	
6-20	10YR 2/1	60	5YR 3/4	5	<u> </u>	М	Clay Loam	
-	2.5Y 6/3	35						Dual matrix
-								
-								
				_				
			I=Reduced Matrix, M				21 costion	: PL=Pore Lining, M=Matrix.
Hydric Soil			I-Reduced Matrix, M	5-Maske	u Sanu Gi	ams.		for Problematic Hydric Soils ³ :
Histosol			Sandy	Gleyed M	atrix (SA)			Prairie Redox (A16)
	pipedon (A2)			Redox (St				Surface (S7)
· - ·	istic (A3)			d Matrix (,			anganese Masses (F12)
	en Sulfide (A4)				ineral (F1)			Shallow Dark Surface (TF12)
	d Layers (A5)			Gleyed M				(Explain in Remarks)
2 cm Mu	uck (A10)			ed Matrix (_	
Deplete	d Below Dark Surfac	e (A11)	Redox	Dark Surfa	ace (F6)			
Thick Da	ark Surface (A12)		Deplete	ed Dark Si	urface (F7)	³ Indicators	of hydrophytic vegetation and
Sandy N	/lucky Mineral (S1)		Redox	Depressio	ons (F8)		wetland	d hydrology must be present,
5 cm Mu	ucky Peat or Peat (S	3)					unless	disturbed or problematic.
Restrictive	Layer (if observed)	:						
Type:							Hydric Soil	Present? Yes No
Depth (in	ches):						Hydric Soli	Present? res No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators:							
Primary Indi	cators (minimum of o	one is requ	uired; check all that a	pply)			Seconda	ary Indicators (minimum of two required)
Surface	Water (A1)		Water-Sta	ained Leav	/es (B9)		Surf	face Soil Cracks (B6)
High Wa	ater Table (A2)		Aquatic F	auna (B13	3)		Drai	inage Patterns (B10)
Saturati	on (A3)		True Aqua	atic Plants	s (B14)		Dry-	-Season Water Table (C2)
Water M	larks (B1)		Hydrogen	Sulfide O	dor (C1)		Cray	yfish Burrows (C8)
Sedimer	nt Deposits (B2)		Oxidized	Rhizosphe	eres on Liv	ing Roots	s (C3) 🗹 Sati	uration Visible on Aerial Imagery (C9)

____ Thin Muck Surface (C7)

Yes _____ No ____ Depth (inches): ___

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

Yes No V Depth (inches):

__ No ___ Depth (inches): ___

___ Presence of Reduced Iron (C4) ___ Stunted or Stressed Plants (D1)

____ FAC-Neutral Test (D5)

Wetland Hydrology Present? Yes _____ No ____

____ Recent Iron Reduction in Tilled Soils (C6) ____ Geomorphic Position (D2)

Remarks:

Definite slope out of ditch, soil dry & crumbly

Yes ____

Inundation Visible on Aerial Imagery (B7)
 Gauge or Well Data (D9)
 Sparsely Vegetated Concave Surface (B8)
 Other (Explain in Remarks)

Drift Deposits (B3)
 Algal Mat or Crust (B4)

___ Iron Deposits (B5)

Field Observations:

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

Project/Site: Winnebago Solar	(City/County	Faribau	It County Sampling Date: 2021-07-1
Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesota Sampling Point: WB-A-03-we
Investigator(s): ALM	(Section, To	wnship, Ra	inge: Section 11, T103N, R028W
				(concave, convex, none): Concave
Slope (%): 0-3 Lat: 43.7360287	[Long: <u>-94</u>	.1516929	Datum: WGS 84
Soil Map Unit Name: Webster clay loam, 0 to 2 perce	ent slop	es		NWI classification: PEM1B
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	No	 (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology sig	nificantly	disturbed?	Are	"Normal Circumstances" present? Yes 🔽 No
Are Vegetation, Soil, or Hydrology na	turally pro	blematic?	(lf ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing	samplin	g point l	ocations, transects, important features, etc
Hydrophytic Vegetation Present? Yes No				
Hydric Soil Present? Yes Ves No			e Sampled	
Wetland Hydrology Present? Yes Ves No		with	in a Wetlar	nd? Yes <u>/</u> No
Remarks:				
Dry conditions. Data point in ditch, s	oils as	ssume	d hydri	c. Drain tile nearby.
VEGETATION – Use scientific names of plants.	A.L	D		Development Texture labort
	Absolute % Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species
1				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>2</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: <u>100</u> (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Cov	/er	Prevalence Index worksheet:
Saping/Snub Stratum (Plot size. 1.				Total % Cover of:Multiply by:
2				$\begin{array}{c} \hline \hline \hline \hline \\ OBL species \\ \hline \\ $
3				FACW species 90 x 2 = 180
4				FAC species 0 x 3 = 0
5				FACU species <u>5</u> x 4 = <u>20</u>
	0%	= Total Cov	/er	UPL species 0 x 5 = 0
Herb Stratum (Plot size: 5 ft r)	50		FACW	Column Totals: <u>95</u> (A) <u>200</u> (B)
1. Phalaris arundinacea	40	<u> </u>	FACW	Prevalence Index = B/A = 2.11
2. Carex sp. 3. Cirsium arvense	5		FACU	Hydrophytic Vegetation Indicators:
			1400	✓ 1 - Rapid Test for Hydrophytic Vegetation
4				✓ 2 - Dominance Test is >50%
5				✓ 3 - Prevalence Index is $\leq 3.0^{1}$
o				4 - Morphological Adaptations ¹ (Provide supporting
7				data in Remarks or on a separate sheet)
9				Problematic Hydrophytic Vegetation ¹ (Explain)
10				
	95%	= Total Cov	/er	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30 ft r)				be present, unless disturbed of problematic.
1				Hydrophytic
2				Vegetation Present? Yes No
		= Total Cov	/er	
Remarks: (Include photo numbers here or on a separate sh	ieet.)			

	n needed to document the indicator or confirm t	he absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type ¹ Loc ²	Texture Remarks
¹ Type: C=Concentration, D=Depletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)
Stratified Layers (A5) 2 cm Muck (A10)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)	
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,
5 cm Mucky Peat or Peat (S3)		unless disturbed or problematic.
Restrictive Layer (if observed):		
Туре:		
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		
Soils assumed hydric		
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is require	d; 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 (C	3) 🗹 Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	✓ FAC-Neutral Test (D5)
	_	
Inundation Visible on Aerial Imagery (B7)		_ 、 、

Inundation Visible on Ae	rial Imagery (I	B7)	Gauge or Well Data (D9)		
Sparsely Vegetated Cor	ncave Surface	(B8)	Other (Explain in Remarks)		
Field Observations:					
Surface Water Present?	Yes	No	_ Depth (inches):		
Water Table Present?	Yes	No 🗹	_ Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes	No 🖌	_ Depth (inches):	Wetland Hydrology Present?	Yes 🦯 No
Describe Recorded Data (str	eam gauge, n	nonitoring	well, aerial photos, previous inspec	ctions), if available:	
Remarks:					

Project/Site: Winnebago Solar	City/County: Faribault County	_ Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesot	a Sampling Point: WB-A-04-up
Investigator(s): ALM	Section, Township, Range: Section 11, T10)3N, R028W
Landform (hillslope, terrace, etc.): Upland, Flat	Local relief (concave, convex, none	
Slope (%): 0-3 Lat: 43.7253261	Long: -94.1388566	_ Datum: WGS 84
Soil Map Unit Name: Marna silty clay loam, 0 to 2 percent s	lopes NWI classi	fication: N/A
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances"	" present? Yes 🔽 No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answ	vers in Remarks.)

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes	No
Remarks:					

Dry conditions.

VEGETATION – Use scientific names of plants.

20 († -	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)
		= Total Co	ver	
Sapling/Shrub Stratum (Plot size: 15 ft r)				Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species 0 x 1 = 0
3				FACW species <u>5</u> x 2 = <u>10</u>
4				FAC species 20 x 3 = 60
5				FACU species 70 x 4 = 280
···		= Total Co		UPL species $0 \times 5 = 0$
Herb Stratum (Plot size: <u>5 ft r</u>)		- 10(a) 00	VCI	Column Totals: 95 (A) 350 (B)
1. Phleum pratense	55	~	FACU	
2. Carex brevior	20	~	FAC	Prevalence Index = B/A = 3.68
3. Dactylis glomerata	10		FACU	Hydrophytic Vegetation Indicators:
4. Asclepias syriaca	5		FACU	1 - Rapid Test for Hydrophytic Vegetation
5. Solidago gigantea	5		FACW	2 - Dominance Test is >50%
6.				3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				Problematic Hydrophytic Vegetation ¹ (Explain)
	·			
10	95%	= Total Co		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)		- 10(a) 00	VCI	be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation
		= Total Co	ver	Present? Yes No V
Remarks: (Include photo numbers here or on a separate s				1
	,			

Profile Description: (Desc	ribe to the dept	h needed to docu	ment the	indicator	or confir	m the absence	of indicators.)
DepthMat	rix	Redo	ox Feature	s			
(inches) Color (mois	t) %	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks
<u>0-20</u> <u>10YR 2/1</u>	90	10YR 3/6	10	<u>C</u>	М	Clay Loam	
<u>20-25</u> <u>10YR 2/1</u>	60	10YR 3/6	10	<u> </u>	М	Clay Loam	
<u>20 - 25</u> 10YR 5/3	30						Dual matrix
-							
-							
—— ——						·	
						·	
¹ Type: C=Concentration, D=	Depletion, RM=	Reduced Matrix, M	S=Maske	d Sand Gr	ains.		: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		0 dia					for Problematic Hydric Soils ³ :
Histosol (A1)			Gleyed Ma				Prairie Redox (A16)
Histic Epipedon (A2) Black Histic (A3)			Redox (St d Matrix (\$				surface (S7) anganese Masses (F12)
Hydrogen Sulfide (A4)				neral (F1)			hallow Dark Surface (TF12)
Stratified Layers (A5)			Gleyed M				(Explain in Remarks)
2 cm Muck (A10)			ed Matrix (
Depleted Below Dark Su	urface (A11)		Dark Surfa				
Thick Dark Surface (A12	2)	Deplete	ed Dark Su	urface (F7)	³ Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S	51)	Redox	Depressio	ons (F8)		wetland	d hydrology must be present,
5 cm Mucky Peat or Pea						unless	disturbed or problematic.
Restrictive Layer (if observ	/ed):						
Туре:						Hudria Sail	Present? Yes 🧹 No
Depth (inches):						Hydric Soli	
Remarks:						·	
Soils dry & crumb	blv						
	.,						
HYDROLOGY							
Wetland Hydrology Indicat	ors:						
Primary Indicators (minimum	of one is require	ed; check all that a	oply)			Seconda	ary Indicators (minimum of two required)
Surface Water (A1)		Water-Sta	ined Leav	/es (B9)		Surf	ace Soil Cracks (B6)
High Water Table (A2)		Aquatic Fa	auna (B13	3)		Drai	nage Patterns (B10)
Saturation (A3)		True Aqua	atic Plants	(B14)		Dry-	Season Water Table (C2)
Water Marks (B1)		Hydrogen	Sulfide O	dor (C1)		Cray	fish Burrows (C8)
Sediment Deposits (B2)		Oxidized I	Rhizosphe	eres on Liv	ing Roots	(C3) Satu	ration Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Presence			-	. ,	nted or Stressed Plants (D1)
Algal Mat or Crust (B4)		Recent Irc					morphic Position (D2)
Iron Deposits (B5)		Thin Mucł			*	, <u> </u>	-Neutral Test (D5)
Inundation Visible on Ae	rial Imagery (B7						
Sparsely Vegetated Cor	ncave Surface (B	8) Other (Ex	plain in Re	emarks)			
Field Observations:				-			
Surface Water Present?	Yes N	lo 🗾 Depth (in	iches):		_		
Water Table Present?	Yes N	lo Depth (in	iches):				
Saturation Present?		lo 🔽 Depth (in			Wet	and Hydrolog	y Present? Yes No

Remarks:

No hydrology other than being mapped as a suspect area. Soils dry & crumbly

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

(includes capillary fringe)

Project/Site: Winnebago Solar	c	City/County:	Faribau	t County Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: <u>Minnesota</u> Sampling Point: <u>WB-A-04-wet</u>
Investigator(s): ALM	s	Section, Tov	wnship, Rai	nge: Section 11, T103N, R028W
				(concave, convex, none): Concave
Slope (%): 0-3 Lat: 43.7378784	L	_ong:94.	1557429	Datum: WGS 84
Soil Map Unit Name: Marna silty clay loam, 0 to 2 per				
Are climatic / hydrologic conditions on the site typical for this ti	ime of yea	r? Yes	No	 (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology sign	nificantly d	listurbed?	Are "	Normal Circumstances" present? Yes 🗾 No
Are Vegetation, Soil, or Hydrology nat	urally prot	olematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sh	howing	sampling	g point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No				
Hydric Soil Present? Yes <u>V</u> No			e Sampled	I
Wetland Hydrology Present? Yes <u>Ves</u> No		withi	n a Wetlan	nd? Yes <u>/</u> No
Remarks:	al la valuita	A # a a # a a		and on tono months? Quenetation shows
Dry conditions. Data point in ditch, soils assumed	a nyaric	. Area ma	вреа ра	sed on topography & vegetation change
VEGETATION – Use scientific names of plants.				
20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) description 1.		Species?	<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: 1(A)
2				Total Number of Dominant
3				Species Across All Strata: <u>1</u> (B)
4 [5]				Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Cov	er	Prevalence Index worksheet:
1				
2				OBL species 0 x 1 = 0
3				FACW species 100 x 2 = 200
4				FAC species 0 x 3 = 0
5				FACU species $0 \times 4 = 0$
Herb Stratum (Plot size: 5 ft r)		= Total Cov	er	UPL species $\frac{0}{100}$ x 5 = $\frac{0}{000}$
	90	~	FACW	Column Totals: 100 (A) 200 (B)
2. Carex sp.	10		FACW	Prevalence Index = B/A = 2.00
3				Hydrophytic Vegetation Indicators:
4				✓ 1 - Rapid Test for Hydrophytic Vegetation
5				✓ 2 - Dominance Test is >50%
6				✓ 3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9				
10	100%	– Total Cov		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Cov	er	be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation Present? Yes No
		= Total Cov	er	
Remarks: (Include photo numbers here or on a separate she	eet.)			

Depth <u>Matrix</u>	Redox Features	To the D
(inches) Color (moist) % (Color (moist) % Type ¹ Loc ²	Texture Remarks
-		
-		
<u> </u>		
-		
¹ Type: C=Concentration, D=Depletion, RM=Rec	duced Matrix MS=Masked Sand Grains	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
2 cm Muck (A10)	Depleted Matrix (F3)	
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)	3
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.
5 cm Mucky Peat or Peat (S3) Restrictive Layer (if observed):		unless disturbed of problematic.
Type:	.	Hydric Soil Present? Yes No
Depth (inches):	-	
Remarks:	-	
Remarks: Soils assumed hydric	-	
Remarks: Soils assumed hydric IYDROLOGY	-	
Remarks: Soils assumed hydric IYDROLOGY Wetland Hydrology Indicators:	-	Secondary Indicators (minimum of two required)
Remarks: Soils assumed hydric IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required:		
Remarks: Soils assumed hydric IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: Surface Water (A1)	Water-Stained Leaves (B9)	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
Remarks: Soils assumed hydric IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) Aquatic Fauna (B13)	Surface Soil Cracks (B6) ✓ Drainage Patterns (B10)
Remarks: Soils assumed hydric IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; Surface Water (A1) High Water Table (A2) Saturation (A3)	 Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) 	 Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2)
Remarks: Soils assumed hydric IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) 	 Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Remarks: Soils assumed hydric IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	 Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C 	 Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Remarks: Soils assumed hydric YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	 Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C Presence of Reduced Iron (C4) 	 Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
Remarks: Soils assumed hydric PYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	 Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) 	 Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Remarks: Soils assumed hydric IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	 Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) 	 Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
Remarks: Soils assumed hydric YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	 Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) 	 Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2)

Field Observations:						
Surface Water Present?	Yes	No	Depth (inches):			
Water Table Present?	Yes	No 🖍	Depth (inches):			
Saturation Present? (includes capillary fringe)	Yes	No _	Depth (inches):	Wetland Hydrology Present?	Yes 🔽	No
Describe Recorded Data (stre	am gauge, n	nonitoring v	vell, aerial photos, previous inspec	ctions), if available:		
Remarks:						

			5
Project/Site: Winnebago Solar and Storage Project	City/C	County: Far	ibault County Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC			State: Minnesota Sampling Point: NW-B-01
Investigator(s): BJC	Secti	on, Townsh	p, Range: T103 R27 S7
Landform (hillslope, terrace, etc.): Upland, Hillslope		Local	relief (concave, convex, none): Convex
Slope (%): 0-2 Lat: 43.7370335	Long	-94.109	8892 Datum: WGS 84
Soil Map Unit Name: Madelia silty clay loam, 0 to 2 perce	nt slop	es	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of	f year?	(es	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significar	ntly distu	rbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally	problem	atic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showi			int locations transacts important features etc
- -	ing sain		int locations, transects, important leatures, etc.
Hydrophytic Vegetation Present? Yes No Ves	_	Is the Sar	npled Area
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	_	within a V	
Remarks:			
Non wetland point located in suspect area that was c	letermi	ned to be	upland in the field. Area is a berm used to capture
water into a drain tile inlet			
VEGETATION – Use scientific names of plants.			
Absolu	ute Dor	ninant Indic	ator Dominance Test worksheet:
Tree Stratum (Plot size:30 ft r) % Cov	/er Spe	ecies? Sta	— I Number of Dominant Species
1			That Are OBL, FACW, or FAC: 0 (A)
2			Total Number of Dominant
3			Species Across All Strata: <u>1</u> (B)
4 5			Percent of Dominant Species
	— — = To	tal Cover	That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)			Prevalence Index worksheet:
1			Total % Cover of: Multiply by:
2			OBL species x 1 =
3			FACW species 0 x 2 = 0
4			FAC species 0 x 3 = 0
5			FACU species 100 x 4 = 400
	= To	tal Cover	UPL species 0 x 5 = 0
Herb Stratum (Plot size: 5 ft r) 1. Bromus inermis 100		🖌 FAG	CU Column Totals: <u>100</u> (A) <u>400</u> (B)
2			Prevalence Index = B/A = 4.00
3			Hydrophytic Vegetation Indicators:

	1	- Rapid	Test	for	Hvdro	phytic	Vegetation	
_		rapia				p., j.a.o.	* ogotation	

_	2 -	Dominance	Test is	>50%	

_ 3	- (Preva	lence	Index	is	≤3.0 ¹	
-----	-----	-------	-------	-------	----	-------------------	--

4 - Morphological Adaptations ¹ (Provide supporting
data in Remarks or on a separate sheet)
Problematic Hydrophytic Vegetation ¹ (Explain)

Yes _____ No ____

¹Indicators of hydric soil and wetland hydrology must t, unless disturbed or problematic.

9			
10	100%	_ = Total Cover	¹ Indicators of be present, u
1			Hydrophytic
2		 _ = Total Cover	Vegetation Present?
			1

4._____ ____ ____ ____ ____ 5. _____ ____ ____

6._____ 7._____ 8. _____ ____

9._____

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

Area dominated by smooth brome

Profile Description: (Describe to the de	epth needed to document the indicator or o	confirm the absence of indicators.)
Depth <u>Matrix</u>	Redox Features	
(inches) Color (moist) %	Color (moist)%Type ¹ l	Loc ² Texture Remarks
<u>0-24</u> <u>10YR 2/1</u>		Clay Loam
-		
-		
¹ Type: C=Concentration, D=Depletion, RI	M=Reduced Matrix, MS=Masked Sand Grains	s. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)
Stratified Layers (A5) 2 cm Muck (A10)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)	
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,
5 cm Mucky Peat or Peat (S3)		unless disturbed or problematic.
Restrictive Layer (if observed):		
Туре:		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is req		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 Presence of Reduced Iron (C4) 	
Drift Deposits (B3) Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled S	oils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)
Inundation Visible on Aerial Imagery (
Sparsely Vegetated Concave Surface		
Field Observations:		
Surface Water Present? Yes	No Depth (inches):	
	No Depth (inches):	
	No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, r	nonitoring well, aerial photos, previous inspec	ctions), if available:
Pomorko:		
Remarks:		
No indicators of wetland l	nydrology were observed	

			manootriogion		
Project/Site: Winnebago Solar and Storage Project	City/Co	ounty: Faribaul	t County	Sampling Date: 2021-	07-15
Applicant/Owner: Glidepath Power Solutions, LLC			State: Minnesota	Sampling Point: NW-E	3-02
Investigator(s): BJC	Sectio	n, Township, Rar	nge: T103 R27 S7		
			(concave, convex, none):	Convex	
Slope (%): 0-2 Lat: 43.7331047	Long:	-94.1091527		Datum: WGS 84	
Soil Map Unit Name: Madelia silty clay loam, 0 to 2 pe	rcent slope	s	NWI classifica	ation:	
Are climatic / hydrologic conditions on the site typical for this tim	ne of year? Ye	es No	/ (If no, explain in Re	emarks.)	
Are Vegetation, Soil, or Hydrology signi	ificantly disturb	ed? Are "	Normal Circumstances" p	resent? Yes 🖌 N	o
Are Vegetation, Soil, or Hydrology nature	rally problema	tic? (If ne	eded, explain any answer	rs in Remarks.)	
SUMMARY OF FINDINGS - Attach site map sho	owing sam	pling point lo	ocations, transects,	, important feature	s, etc.
Hydrophytic Vegetation Present? Yes No	v				
Hydric Soil Present? Yes No	 	Is the Sampled			
Wetland Hydrology Present? Yes No	<u> </u>	within a Wetlan	d? Yes	No	
Remarks:					
Non wetland point located in suspect area that wa	as determin	ed to be upla	nd in the field. Area	is a berm used to c	apture
water into a drain tile inlet					
VEGETATION – Use scientific names of plants.					
		inant Indicator	Dominance Test works	sheet:	
		ies? <u>Status</u>	Number of Dominant Sp That Are OBL, FACW, o		
1			That Ale Obl, FACW, C	JI FAC. <u>C</u>	(A)
2			Total Number of Domina Species Across All Strat	4	(B)
4					
5			Percent of Dominant Sp That Are OBL, FACW, o		(A/B)
	= Tota	al Cover		<u> </u>	(~0)
Sapling/Shrub Stratum (Plot size: 15 ft r)			Prevalence Index work		
1			Total % Cover of:		-
2				$x_1 = \frac{0}{0}$	-
3			FACW species 0		-
4			FAC species 0 FACU species 100	$x_3 = 0$	-
5				$x 4 = \frac{400}{0}$	-
Herb Stratum (Plot size: <u>5 ft r</u>)	= Tota	al Cover	Column Totals: 100	$(A) \frac{3}{400}$	— (B)
Image: Transmission of the second sec	00 •	FACU		(A)	_ (B)
2			Prevalence Index	= B/A = <u>4.00</u>	_
3			Hydrophytic Vegetatio	n Indicators:	
4			1 - Rapid Test for H	lydrophytic Vegetation	
5			2 - Dominance Test		
6			3 - Prevalence Inde		
7				daptations ¹ (Provide sup s or on a separate sheet)	
8			Problematic Hydrop	ohytic Vegetation ¹ (Expla	in)

100% = Total Cover

= Total Cover

2.

10. _____

Woody Vine Stratum (Plot size: 30 ft r)
1.

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

Area dominated by smooth brome

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

Yes _____ No ____

Hydrophytic Vegetation

Present?

Profile Description: (Descri	be to the depth	needed to docun	nent the indicato	or or confirm	n the absence of ind	icators.)
Depth Matrix		Redo	x Features			
(inches) Color (moist)	%	Color (moist)	<u>%</u> Type	Loc ²	Texture	Remarks
0 - 24 10YR 2/1					Clay Loam	
-						
-						
<u> </u>						
¹ Type: C=Concentration, D=E	epletion, RM=R	educed Matrix, MS	S=Masked Sand C	Grains.		Pore Lining, M=Matrix.
Hydric Soil Indicators:					Indicators for Pr	oblematic Hydric Soils ³ :
Histosol (A1)			Bleyed Matrix (S4)	Coast Prairie	
Histic Epipedon (A2)			Redox (S5)		Dark Surface	
Black Histic (A3)			Matrix (S6)			ese Masses (F12)
Hydrogen Sulfide (A4)			Aucky Mineral (F			Dark Surface (TF12)
Stratified Layers (A5)			Gleyed Matrix (F2)	Other (Explai	n in Remarks)
2 cm Muck (A10)			d Matrix (F3)			
Depleted Below Dark Sur Thick Dark Surface (A12))ark Surface (F6) d Dark Surface (F		³ Indicators of by	Irophytic vegetation and
Sandy Mucky Mineral (S1			Depressions (F8)	()		blogy must be present,
5 cm Mucky Peat or Peat					•	bed or problematic.
Restrictive Layer (if observe						
Type:						
					Hydric Soil Prese	nt? Yes No
Depth (inches):						
Remarks:						
HYDROLOGY						
Wetland Hydrology Indicato	rs:					
Primary Indicators (minimum of	of one is require	d; check all that ap	ply)		Secondary Indi	cators (minimum of two required)
Surface Water (A1)		Water-Stai	ned Leaves (B9)		Surface So	oil Cracks (B6)
High Water Table (A2)		Aquatic Fa	una (B13)		Drainage F	Patterns (B10)
Saturation (A3)			tic Plants (B14)		Dry-Seaso	n Water Table (C2)
Water Marks (B1)			Sulfide Odor (C1)		Crayfish B	urrows (C8)
Sediment Deposits (B2)			hizospheres on L			Visible on Aerial Imagery (C9)
Drift Deposits (B3)			of Reduced Iron (Stressed Plants (D1)
Algal Mat or Crust (B4)			n Reduction in Til	-		ic Position (D2)
Iron Deposits (B5)		Thin Muck		,	FAC-Neutr	
Inundation Visible on Aeri	al Imagery (B7)				—	
Sparsely Vegetated Conc	ave Surface (B8	3) Other (Exp	ain in Remarks)			
Field Observations:						
Surface Water Present?	Yes No	Depth (ind	ches):			
Water Table Present?		Depth (ind				
Saturation Present?		Depth (inc			and Hydrology Broo	ent? Yes No
(includes capillary fringe)						
Describe Recorded Data (stre	am gauge, mon	itoring well, aerial p	onotos, previous i	nspections),	it available:	
Remarks:						
	at land here	drology	ka abaamis	. d		
No indicators of w	eciand ny	urology we	re observe	u		

Project/Site: Winnebago Solar and Storage Project	_ City/County: Faribault County Sampling Date: 2021-07-			
Applicant/Owner: Glidepath Power Solutions, LLC		State: <u>Minnesota</u> Sampling Point: <u>NW-B-03</u>		
Investigator(s): BJC	Section, Township, R	_{ange:} T103 R27 S18		
		f (concave, convex, none): Convex		
Slope (%): 0-2 Lat: 43.7293195	Long:94.114442	2 Datum: WGS 84		
Soil Map Unit Name: Lakefield silt Ioam		NWI classification:		
Are climatic / hydrologic conditions on the site typical for this time of				
Are Vegetation, Soil, or Hydrology significar	ntly disturbed? Are	"Normal Circumstances" present? Yes 🗾 No		
Are Vegetation, Soil, or Hydrology naturally	problematic? (If r	needed, explain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map showi		locations, transects, important features, etc.		
Hydrophytic Vegetation Present? Yes No	_			
Hydric Soil Present? Yes No	Is the Sample			
Wetland Hydrology Present? Yes No	within a Wetla	and? Yes <u>No </u>		
Remarks:				
Non wetland point located in suspect area that was o water into a drain tile inlet	etermined to be upi	and in the field. Area is a berm used to capture		
VEGETATION – Use scientific names of plants.				
Tree Stratum (Plot size: 30 ft r) // Absolu	ute Dominant Indicator	Dominance Test worksheet:		
1		Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)		
2				
3		Total Number of Dominant Species Across All Strata: 1(B)		
4		Percent of Dominant Species		
5		- That Are OBL, FACW, or FAC: 0 (A/B)		
Sapling/Shrub Stratum (Plot size: 15 ft r)	= Total Cover	Prevalence Index worksheet:		
		Total % Cover of: Multiply by:		
1 2		$\begin{array}{c} \hline \\ OBL species \\ \hline \\ 0 \\ \end{array} \\ \begin{array}{c} \hline \\ 0 \\ \end{array} \\ \begin{array}{c} \hline \\ x \\ 1 \\ \end{array} \\ \begin{array}{c} \hline \\ 0 \\ \end{array} \\ \begin{array}{c} \hline \\ x \\ 1 \\ \end{array} \\ \begin{array}{c} \hline \\ 0 \\ \end{array} \\ \begin{array}{c} \hline \end{array} \\ \end{array} \\ \begin{array}{c} \hline \\ \end{array} \\ \begin{array}{c} \hline \\ \end{array} \\ \begin{array}{c} \hline \\ \end{array} \\ \end{array} \\ \begin{array}{c} \hline \end{array} \\ \end{array} \\ \begin{array}{c} \hline \\ \end{array} \\ \end{array} \\ \begin{array}{c} \hline \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \hline \end{array} \\ \end{array}$		
3.		FACW species 0 $x 2 = 0$		
4		FAC species 0 x 3 = 0		
5.		FACU species 100 x 4 = 400		
	= Total Cover	UPL species 0 x 5 = 0		
Herb Stratum (Plot size: 5 ft r)	 ✔ FACU	Column Totals: <u>100</u> (A) <u>400</u> (B)		
		Prevalence Index = B/A = 4.00		
2		Hydrophytic Vegetation Indicators:		
3		1 - Rapid Test for Hydrophytic Vegetation		
4		2 - Dominance Test is >50%		
5		3 - Prevalence Index is $\leq 3.0^{1}$		
6		4 - Morphological Adaptations ¹ (Provide supporting		
8		data in Remarks or on a separate sheet)		
9		Problematic Hydrophytic Vegetation ¹ (Explain)		
10.				
Woody Vine Stratum (Plot size: 30 ft r)	= Total Cover	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
		- the decoder		
1		- Hydrophytic Vegetation		
· · · · · · · · · · · · · · · · · · ·	= Total Cover	Present? Yes No		
Remarks: (Include photo numbers here or on a separate sheet.)				
Area dominated by smooth brome				

Profile Descrip	tion: (Describe	o the depth	needed to docur	nent the i	ndicator o	or confirm	the absence of indicate	ors.)
Depth	Matrix		Redo	x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-24 1	0YR 2/1						Clay Loam	
-								
-								
		etion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ains.	² Location: PL=Pore	
Hydric Soil Ind							Indicators for Proble	-
Histosol (A	,			Bleyed Ma			Coast Prairie Rec	. ,
Histic Epipe				Redox (S5)			Dark Surface (S7	,
Black Histic Hydrogen S	. ,			l Matrix (S /lucky Min	,		Iron-Manganese I Very Shallow Dar	. ,
Stratified La	· · ·			Gleyed Ma	• •		Other (Explain in	
2 cm Muck				d Matrix (F				(Centarks)
	elow Dark Surface	e (A11)		ark Surfa	,			
	Surface (A12)	(d Dark Su			³ Indicators of hydroph	nytic vegetation and
	ky Mineral (S1)			epression			wetland hydrology	
5 cm Muck	y Peat or Peat (S3	5)					unless disturbed	or problematic.
Restrictive Lay	ver (if observed):							
Туре:								
Depth (inche	es):						Hydric Soil Present?	Yes No
Remarks:	,							
HYDROLOGY	Y							
Wetland Hydro	logy Indicators:							
Primary Indicate	ors (minimum of o	ne is required	d; check all that ap	ply)			Secondary Indicato	rs (minimum of two required)
Surface Wa	ater (A1)		Water-Sta	ned Leave	es (B9)		Surface Soil Cr	acks (B6)
High Water	, ,		Aquatic Fa		, ,		Drainage Patte	, ,
Saturation	. ,		True Aqua	· · ·			Dry-Season W	
Water Mark	()		Hydrogen				Crayfish Burrov	
	Deposits (B2)		Oxidized F			ng Roots		ble on Aerial Imagery (C9)
Drift Depos			Presence				Stunted or Stre	
· - ·	or Crust (B4)		Recent Iro			,		
Iron Depos	its (B5)		Thin Muck				FAC-Neutral Te	
Inundation	Visible on Aerial I	magery (B7)	Gauge or	Nell Data	(D9)		_	
Sparsely V	egetated Concave	Surface (B8	3) Other (Exp					
Field Observat	tions:							
Surface Water	Present? Ye	esNo	Depth (ind	ches):		_		
Water Table Pre			Depth (in					
Saturation Pres			Depth (in				and Hydrology Present?	Yes No 🖌
(includes capilla	ary fringe)							
Describe Recor	ded Data (stream	gauge, moni	toring well, aerial p	photos, pre	evious ins	pections),	if available:	
Remarks:								
No indicat	tors of wet	land hyo	drology we	re obs	erved			

Project/Site: Winnebago Solar and Storage Project	City/	County: Faribaul	t County	Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC			State: Minnesota	Sampling Point: NW-B-04
Investigator(s): BJC	Sect	ion, Township, Ran	nge: T103 R27 S7	
Landform (hillslope, terrace, etc.): Upland, Flat			concave, convex, none):	Linear
Slope (%): 0-2 Lat: 43.7317737	Long	<u>-94.1221676</u>		Datum: WGS 84
Soil Map Unit Name: Spicer silty clay loam, 0 to 2 pe	ercent slope	S	NWI classific	ation:
Are climatic / hydrologic conditions on the site typical for this	time of year?	Yes No	/ (If no, explain in Re	emarks.)
Are Vegetation, Soil, or Hydrology sig	nificantly distu	Irbed? Are "I	Normal Circumstances" p	resent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology na	turally problem	natic? (If nee	eded, explain any answer	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing sar	mpling point lo	ocations, transects,	, important features, etc.
Hydrophytic Vegetation Present? Yes No	v			
Hydric Soil Present? Yes No	<u> </u>	Is the Sampled		
Wetland Hydrology Present? Yes No		within a Wetlan	d? Yes	No
Remarks: Non wetland point located in suspect area that w	vac datarm	inad to be uplay	nd in the field Area	ic a coubcan field
	was determ	ineu to be upiai	iu în the held. Alea	is a soybean neid.
VEGETATION – Use scientific names of plants.				
20.41		minant Indicator	Dominance Test works	sheet:
Tree Stratum (Plot size: 30 ft r) 1.		ecies? <u>Status</u>	Number of Dominant Sp That Are OBL, FACW, o	
2			Total Number of Domina	
3			Species Across All Strat	ta: <u>1</u> (B)
4 5 ·			Percent of Dominant Sp That Are OBL, FACW, c	
Sapling/Shrub Stratum (Plot size: 15 ft r)	= To	otal Cover	Prevalence Index work	(sheet:
1				Multiply by:
2			OBL species 0	x 1 = <u>0</u>
3			FACW species 0	
4			FAC species 0	x 3 =
5				x 4 = <u>0</u>
Hat Obstance (Distained 5 ft r	= Tc	otal Cover		x 5 = <u>0</u>
Herb Stratum (Plot size: 5 ft r)	100	🖌 NI	Column Totals: 0	(A) <u>0</u> (B)
2			Prevalence Index	= B/A = NaN
3		ł	Hydrophytic Vegetatio	n Indicators:
4			1 - Rapid Test for H	lydrophytic Vegetation
5			2 - Dominance Test	t is >50%
6		I	3 - Prevalence Inde	ex is ≤3.0 ¹
7			4 - Morphological A	daptations ¹ (Provide supporting or on a separate sheet)
8				bhytic Vegetation ¹ (Explain)
9				
10			¹ Indicators of hydric soil	and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	<u>100%</u> = To	otal Cover	be present, unless distu	
1.			Hydrophytic	
2			Vegetation	
		otal Cover	Present? Yes	s No
Remarks: (Include photo numbers here or on a separate sh	neet.)			
Area dominated by healthy soy crop)			

Profile Description: (Describe to the depth needed to doo	ument the indicator or confirm	the absence of indicators.)			
Depth Matrix Redox Features					
(inches) Color (moist) % Color (moist)	<u>% Type¹ Loc²</u>	Texture Remarks			
0 - 2410YR 2/1		Clay Loam			
24 ⁻ 28 10YR 3/1 100		Clay Loam			
-					
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix,	MS=Masked Sand Grains	² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :			
	y Gleyed Matrix (S4)	Coast Prairie Redox (A16)			
	y Redox (S5)	Dark Surface (S7)			
	ped Matrix (S6)	Iron-Manganese Masses (F12)			
Hydrogen Sulfide (A4) Loam	y Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)			
Stratified Layers (A5) Loam	y Gleyed Matrix (F2)	Other (Explain in Remarks)			
2 cm Muck (A10) Deple	eted Matrix (F3)				
Depleted Below Dark Surface (A11) Redo	x Dark Surface (F6)				
	eted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and			
	x Depressions (F8)	wetland hydrology must be present,			
5 cm Mucky Peat or Peat (S3)		unless disturbed or problematic.			
Restrictive Layer (if observed):					
Туре:		Hydric Soil Present? Yes No			
Depth (inches):					
Remarks:					
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-S	Stained Leaves (B9)	Surface Soil Cracks (B6)			
High Water Table (A2) Aquatic	Fauna (B13)	Drainage Patterns (B10)			
Saturation (A3) True Aq	uatic Plants (B14)	Dry-Season Water Table (C2)			
Water Marks (B1) Hydroge	en Sulfide Odor (C1)	Crayfish Burrows (C8)			
Sediment Deposits (B2) Oxidize	d Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3) Presend	ce of Reduced Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4) Recent	Iron Reduction in Tilled Soils (C6)) Geomorphic Position (D2)			
Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5)					
Inundation Visible on Aerial Imagery (B7) Gauge of	or Well Data (D9)				
Sparsely Vegetated Concave Surface (B8) Other (B	Explain in Remarks)				
Field Observations:					
Surface Water Present? Yes No Depth	(inches):				
Water Table Present? Yes No Depth	(inches):				
Saturation Present? Yes No Depth		and Hydrology Present? Yes No			
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aeri	al photos, previous inspections), i	f available:			
Remarks:					
No indicators of wetland hydrology w	vere observed				

Project/Site: Winnebago Solar and Storage Project	t c	ity/County	Faribaul	t County s	Sampling Date: _2	021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesota S	ampling Point: <u></u>	IW-B-05
Investigator(s): BJC	s	Section, To	wnship, Rar	nge: T103 R27 S7		
Landform (hillslope, terrace, etc.): Upland, Flat				concave, convex, none): <u>L</u>	inear	
Slope (%): 0-2 Lat: 43.7321455	L	.ong:94	.1212326	C	atum: WGS 84	1
Soil Map Unit Name: Spicer silty clay loam, 0 to 2 pe	ercent slo	opes		NWI classificat	ion:	
Are climatic / hydrologic conditions on the site typical for this	time of yea	r? Yes	No	 (If no, explain in Rer 	narks.)	
Are Vegetation, Soil, or Hydrology si	gnificantly d	listurbed?	Are "	Normal Circumstances" pre	esent?Yes 🗹	No
Are Vegetation, Soil, or Hydrology na	aturally prob	plematic?	(If ne	eded, explain any answers	in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	showing	samplin	g point k	ocations, transects, i	important fea	atures, etc.
Hydrophytic Vegetation Present? Yes No	· _ / _					
Hydric Soil Present? Yes V	·		e Sampled			
Wetland Hydrology Present? Yes No	·	with	in a Wetlan	d? Yes	No	
Remarks:	waa data			ndin the field Area is	a aavbaan fi	ald
Non wetland point located in suspect area that	was dele	innineu i	o be upia	nu în the held. Afea is	a soybean ne	
VEGETATION – Use scientific names of plants.						
20 ft r		Dominant		Dominance Test worksh	neet:	
Tree Stratum (Plot size:30 ft r) 1	% Cover			Number of Dominant Spe That Are OBL, FACW, or		(A)
2				Total Number of Dominar		
3				Species Across All Strata	: <u>1</u>	(B)
4 5				Percent of Dominant Spe That Are OBL, FACW, or		(A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Cov	ver	Prevalence Index works	heet:	
1				Total % Cover of:	Multiply	by:
2				OBL species 0	x 1 = 0	
3				FACW species 0		
4				FAC species 0	x 3 =	
5				FACU species 0		
5 ft r	:	= Total Cov	/er		x 5 = 0	
Herb Stratum (Plot size: 5 ft r)	100	~	NI	Column Totals: 0	(A)	(B)
2				Prevalence Index =	B/A = NaN	
3				Hydrophytic Vegetation	Indicators:	
4				1 - Rapid Test for Hy	drophytic Vegeta	tion
5				2 - Dominance Test i	s >50%	
6				3 - Prevalence Index	is ≤3.0 ¹	
7				4 - Morphological Ada data in Remarks of	aptations ¹ (Provid	de supporting
8				Problematic Hydroph	-	· ·
9					yie vegetation (
10				¹ Indicators of hydric soil a	and wetland hydro	bloav must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Cov	rer	be present, unless disturb		
1				Hydrophytic		
2				Vegetation	N	/
	:	= Total Cov	/er	Present? Yes	No	
Remarks: (Include photo numbers here or on a separate s	heet.)					
Area dominated by healthy soy cro	р					

Profile Desc	cription: (Describe	to the dep	oth needed to docum	nent the i	ndicator	or confirn	n the absence of inc	dicators.)	
Depth	 Matrix			x Features					
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc ²	Texture	Remarks	
0 - 18	10YR 2/1						Clay Loam		
18 - 24	10YR 4/1	98	10YR 5/6		С	М	Clay Loam		
-			· · · ·						
¹ Type: C=Ce	oncentration, D=De	pletion, RM	=Reduced Matrix, MS	6=Masked	Sand Gr	ains.	² Location: PL=	Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for P	roblematic Hydric Soils ³ :	
Histosol	(A1)			Gleyed Ma			Coast Prairie	e Redox (A16)	
· — ·	pipedon (A2)			Redox (S5			Dark Surface	. ,	
	istic (A3)			Matrix (S	,			nese Masses (F12)	
· ·	en Sulfide (A4)			Mucky Min				w Dark Surface (TF12)	
	d Layers (A5)			Gleyed Ma			Other (Expla	ain in Remarks)	
	uck (A10) d Below Dark Surfa	co (A11)		d Matrix (F Dark Surfa					
· — ·	ark Surface (A12)			d Dark Sulla	` ')	³ Indicators of hy	drophytic vegetation and	
	Aucky Mineral (S1)			Depression	, ,	/		rology must be present,	
	ucky Peat or Peat (\$3)	_				unless disturbed or problematic.		
Restrictive I	Layer (if observed):							
Туре:									
Depth (in	ches):						Hydric Soil Pres	ent? Yes 🦯 No	
Remarks:									
lludric		d							
Hydric soil observed									
HYDROLOGY									
Wetland Hy	drology Indicators	:							
Primary India	cators (minimum of	one is requ	ired; check all that ap	(ylq			Secondary Inc	licators (minimum of two required)	
	Water (A1)		Water-Stai		es (B9)			oil Cracks (B6)	
	ater Table (A2)		Aquatic Fa		, ,			Patterns (B10)	
Saturatio	· · /		True Aqua					on Water Table (C2)	
	larks (B1)		Hydrogen		. ,			Burrows (C8)	
	nt Deposits (B2)		Oxidized F			ing Roots		n Visible on Aerial Imagery (C9)	
	Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)						r Stressed Plants (D1)		
Algal Mat or Crust (B4)						hic Position (D2)			
Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5)									
· - ·	on Visible on Aerial	Imagery (B							
Sparsely	y Vegetated Conca	ve Surface ((B8) Other (Exp	lain in Re	marks)				
Field Obser	vations:								
Surface Wat	er Present?	Yes	No Depth (ind	ches):		_			
Water Table			No Depth (inc						
Saturation P			No Depth (inc				and Hydrology Pres	sent? Yes No	
(includes cap	pillary fringe)								
Describe Re	corded Data (strear	n gauge, m	onitoring well, aerial p	photos, pre	evious ins	spections),	if available:		

Remarks:

No indicators of wetland hydrology were observed

Project/Site: Winnebago Solar and Storage Project	t c	ity/County	Faribaul	t County Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC	LC			State: <u>Minnesota</u> Sampling Point: <u>NW-B-06</u>
Investigator(s): BJC	s	Section, To	wnship, Rar	nge: T103 R27 S7
				(concave, convex, none): Linear
Slope (%): 0-2 Lat: 43.7340501	L	.ong:94	.1212614	Datum: WGS 84
Soil Map Unit Name: Spicer silty clay loam, 0 to 2 pe	ercent slo	opes		NWI classification:
Are climatic / hydrologic conditions on the site typical for this	time of yea	r? Yes	No	 (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology sig	gnificantly d	listurbed?	Are "	Normal Circumstances" present? Yes 🗾 No
Are Vegetation, Soil, or Hydrology na	aturally prob	plematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	showing	samplin	g point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	·			
Hydric Soil Present? Yes No	, <u> </u>		e Sampled	
Wetland Hydrology Present? Yes No	·	with	in a Wetlan	nd? Yes No
Remarks:	waa data		a ha unla	nd in the field Area is a southean field
Non wetland point located in suspect area that	was dele	rminea l	o be upla	nd in the field. Area is a soybean field.
VEGETATION – Use scientific names of plants.				
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:30 ft r) 1	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>1</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Cov	ver	Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species <u>0</u> x 1 = <u>0</u>
3				FACW species <u>0</u> x 2 = <u>0</u>
4				FAC species $0 \times 3 = 0$
5				FACU species $\frac{0}{2}$ x 4 = $\frac{0}{2}$
Herb Stratum (Plot size: 5 ft r)	:	= Total Cov	ver	UPL species $0 \times 5 = 0$
Glycine max	100	~	NI	Column Totals: <u>0</u> (A) <u>0</u> (B)
2				Prevalence Index = B/A = <u>NaN</u>
3				Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
9				
10				¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Cov	ver	be present, unless disturbed or problematic.
1/				Hydrophytic
2				Vegetation
		= Total Cov	ver	Present? Yes No V
Remarks: (Include photo numbers here or on a separate sl	heet.)			
Area dominated by healthy soy crop	o			
	I			

Profile Description: (Describe to the depth neede	d to document the indicator or co	onfirm the absence of indicators.)			
Depth Matrix	Redox Features		ſ		
	(moist) % Type ¹ Lo	oc ² Texture Remarks			
<u>0-24</u> <u>10YR 3/1</u>		Clay Loam			
-			ſ		
			_		
			—		
			_		
·					
-			ſ		
¹ Type: C=Concentration, D=Depletion, RM=Reduced	Matrix MS=Masked Sand Grains	² Location: PL=Pore Lining, M=Matrix.	_		
Hydric Soil Indicators:	matrix, no matrice cana crane.	Indicators for Problematic Hydric Soils ³ :			
Histosol (A1)	_ Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)	ſ		
Histic Epipedon (A2)	_ Sandy Redox (S5)	Dark Surface (S7)	ſ		
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)	ſ		
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)	ſ		
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)	ſ		
2 cm Muck (A10)	_ Depleted Matrix (F3)		ſ		
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	_ Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and	ſ		
Sandy Mucky Mineral (S1)	 Depleted Dark Surface (F7) Redox Depressions (F8) 	wetland hydrology must be present,	ſ		
5 cm Mucky Peat or Peat (S3)		unless disturbed or problematic.	ſ		
Restrictive Layer (if observed):					
Туре:			ſ		
Depth (inches):		Hydric Soil Present? Yes No	_		
Remarks:					
No indicators of hydric soil were					
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of one is required; check	k all that apply)	Secondary Indicators (minimum of two required	ed)		
Surface Water (A1)	Water-Stained Leaves (B9)	Surface Soil Cracks (B6)			
	Aquatic Fauna (B13)	Drainage Patterns (B10)	ſ		
	True Aquatic Plants (B14)	Dry-Season Water Table (C2)	ſ		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)	ſ		
	Oxidized Rhizospheres on Living F	Roots (C3) Saturation Visible on Aerial Imagery (C9)	ſ		
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)					
Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5)					
Inundation Visible on Aerial Imagery (B7)	Gauge or Well Data (D9)		ſ		
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)		ſ		
Field Observations:					
	Depth (inches):				
Water Table Present? Yes No	Depth (inches):		ſ		
Saturation Present? Yes No V Depth (inches): Wetland Hydrology Present? Yes No V					
Describe Recorded Data (stream gauge, monitoring v	vell, aerial photos, previous inspect	tions), if available:			
Remarks:					
No indicators of wetland hydrology were observed					
	yy were observed				

Project/Site: Winnebago Solar and Storage Project	t c	City/County:	Faribaul	t County	Sampling Date: _	2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesota	Sampling Point:	NW-B-07
Investigator(s): BJC	9	Section, Tov	wnship, Rar	nge: T103 R27 S7		
Landform (hillslope, terrace, etc.): Upland, Depression					Concave	
Slope (%): 0-2 Lat: 43.7369508	ι	_ong:94.	1208936	;	Datum: WGS 8	4
Soil Map Unit Name: Spicer silty clay loam, 0 to 2 pe	ercent slo	opes		NWI classifica	ation:	
Are climatic / hydrologic conditions on the site typical for this	Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology sig	gnificantly o	listurbed?	Are "I	Normal Circumstances" p	resent?Yes 📕	No
Are Vegetation, Soil, or Hydrology na	aturally prot	olematic?	(If ne	eded, explain any answer	s in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	howing	sampling	g point lo	ocations, transects,	important fe	atures, etc.
Hydrophytic Vegetation Present? Yes No	· ·					
Hydric Soil Present? Yes No			e Sampled			
Wetland Hydrology Present? Yes No	·	withi	n a Wetlan	d? Yes	No	
Remarks:	waa data	rminod to	a ha unla	nd in the field Area i	ia a caybaan fi	iold
Non wetland point located in suspect area that	was uete	inneu to	b be upla	nu în the held. Alea i	is a suybean n	
VEGETATION – Use scientific names of plants.						
	Absolute	Dominant	Indicator	Dominance Test works	sheet:	
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Sp		
1				That Are OBL, FACW, o	or FAC: 0	(A)
2				Total Number of Domina	4	(5)
3 4				Species Across All Strat	a: <u>1</u>	(B)
5				Percent of Dominant Sp That Are OBL, FACW, o		(A/B)
15 ft r	:	= Total Cov	er			(/////
Sapling/Shrub Stratum (Plot size: 15 ft r)				Prevalence Index work		, by:
1				<u> </u>	x 1 = _0	y by:
2				FACW species 0		
4					x 3 = 0	
5				FACU species 0		
	:	= Total Cov	er	UPL species 0	x 5 =	
Herb Stratum (Plot size: 5 ft r)	100	~	NI	Column Totals: 0	(A) <u>0</u>	(B)
				Prevalence Index	= B/A = NaN	
2				Hydrophytic Vegetatio		
4				1 - Rapid Test for H		ation
5				2 - Dominance Test	is >50%	
6				3 - Prevalence Inde	x is ≤3.0 ¹	
7				4 - Morphological A	daptations ¹ (Provi	ide supporting
8					or on a separate	
9				Problematic Hydrop	nytic vegetation	(Explain)
10				¹ Indicators of hydric soil	and wetland bydr	ology must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Cov	er	be present, unless distu		
1)						
2				Hydrophytic Vegetation		
		= Total Cov	er	Present? Yes	s No	<u>v</u>
Remarks: (Include photo numbers here or on a separate st						
Area dominated by healthy soy crop						
	-					

Profile Description: (Describe to the de	pth needed to document the indicator or	confirm the absence of indicators.)				
Depth <u>Matrix</u>	Redox Features					
(inches) Color (moist) %	Color (moist)%Type ¹	Loc ² Texture Remarks				
<u>0-30</u> <u>10YR 2/1</u>		Clay Loam				
-						
-						
	·					
	·					
-						
¹ Type [:] C=Concentration D=Depletion RM	/	ns. ² Location: PL=Pore Lining, M=Matrix.				
Hydric Soil Indicators:	Theadeed matrix, we masked band oran	Indicators for Problematic Hydric Soils ³ :				
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)				
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)				
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)				
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)				
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)				
2 cm Muck (A10)	Depleted Matrix (F3)					
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6) Depleted Dark Surface (F7)	³ Indicators of hydrophytic vocatation and				
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present,				
5 cm Mucky Peat or Peat (S3)		unless disturbed or problematic.				
Restrictive Layer (if observed):						
Туре:						
Depth (inches):		Hydric Soil Present? Yes No				
Remarks:						
No indicators of hydric so	il were observed					
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one is requ	uired; 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 (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) 🖌 Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5)						
Inundation Visible on Aerial Imagery (E						
Sparsely Vegetated Concave Surface	(B8) Other (Explain in Remarks)					
Field Observations:						
Surface Water Present? Yes	No Depth (inches):					
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No _ Depth (inches): Wetland Hydrology Present? Yes No _ (includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
No other indicators of wetland hydrology were observed						
	, ,,					
Project/Site: Winnebago Solar and Storage Project	t (City/County:	Faribaul	t County	_ Sampling Date:	2021-07-15
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Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesota	Sampling Point:	NW-B-08
Investigator(s): BJC		Section, Tov	vnship, Rar	nge: T103 R27 S7		
Landform (hillslope, terrace, etc.): Upland, Depression		L	ocal relief (concave, convex, none): Concave	
Slope (%): 0-2 Lat: 43.7318719	I	_ong:94.	1252218		_ Datum: WGS 8	4
Soil Map Unit Name: Madelia silty clay loam, 0 to 2	percent s	slopes		NWI classif	ication:	
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	No	 (If no, explain in 	Remarks.)	
Are Vegetation, Soil, or Hydrology sig	gnificantly o	disturbed?	Are "I	Normal Circumstances"	present? Yes	No
Are Vegetation, Soil, or Hydrology na	aturally prol	blematic?	(If ne	eded, explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	howing	sampling	g point lo	ocations, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes No	· ·					
Hydric Soil Present? Yes No			Sampled			
Wetland Hydrology Present? Yes No	·	with	n a Wetlan	d? Yes	No	-
Remarks:	waa data	rmined to	a ha unla	nd in the field Are	a ic a caybaan f	iold
Non wetland point located in suspect area that	was dele	inneu to	be upia	nu in the held. Are	a is a soybearri	ieiu.
VEGETATION – Use scientific names of plants.						
· · ·	Absolute	Dominant	Indicator	Dominance Test wo	rksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant	Species	
1				That Are OBL, FACW	, or FAC: 0	(A)
2				Total Number of Dom	4	(5)
3 4				Species Across All St	rata:	(B)
5				Percent of Dominant That Are OBL, FACW		(A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Cov	er	Prevalence Index wo	orksheet:	
Saping/Shiub Stratum (Flot size. 1.				Total % Cover of:		v by:
2					x 1 = 0	
3				FACW species 0		
4				FAC species 0	x 3 = _0	
5				FACU species 0		
Eftr		= Total Cov	er		x 5 = 0	
Herb Stratum (Plot size: 5 ft r)	100	~	NI	Column Totals: 0	(A) <u>0</u>	(B)
2				Prevalence Inde	ex = B/A = NaN	
3				Hydrophytic Vegetat	tion Indicators:	
4				1 - Rapid Test for	Hydrophytic Veget	ation
5				2 - Dominance Te	est is >50%	
6				3 - Prevalence In	dex is ≤3.0 ¹	
7					Adaptations ¹ (Prov ks or on a separate	
8				Problematic Hydr		· · ·
9					ophylic vegetation	
10				¹ Indicators of hydric s	oil and wetland hyd	rology must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Cov	er	be present, unless dis	turbed or problema	tic.
1/				Hydrophytic		
2				Vegetation		~
		= Total Cov	er	Present? Y	'es No	·
Remarks: (Include photo numbers here or on a separate s	heet.)					
Area dominated by healthy soy crop	c					

Depth Matrix		Features					
(inches) Color (moist) %	Color (moist)	% Type ¹	Loc ²	Texture Remarks			
<u>0-30</u> <u>10YR 2/1</u>				Clay Loam			
-							
-							
				·			
¹ Type: C=Concentration, D=Depletion, RM=R	educed Matrix, MS=	Masked Sand Gr	ains.	² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators:				Indicators for Problematic Hydric Soils ³ :			
Histosol (A1)	Sandy Gle	eyed Matrix (S4)		Coast Prairie Redox (A16)			
Histic Epipedon (A2)	Sandy Re	dox (S5)		Dark Surface (S7)			
Black Histic (A3)		/latrix (S6)		Iron-Manganese Masses (F12)			
Hydrogen Sulfide (A4)		icky Mineral (F1)		Very Shallow Dark Surface (TF12)			
Stratified Layers (A5)		eyed Matrix (F2)		Other (Explain in Remarks)			
2 cm Muck (A10) Depleted Below Dark Surface (A11)		Matrix (F3) rk Surface (F6)					
Thick Dark Surface (A12)		Dark Surface (F6)		³ Indicators of hydrophytic vegetation and			
Sandy Mucky Mineral (S1)		pressions (F8)		wetland hydrology must be present,			
5 cm Mucky Peat or Peat (S3)				unless disturbed or problematic.			
Restrictive Layer (if observed):							
Туре:							
Depth (inches):				Hydric Soil Present? Yes No			
Remarks:							
No indicators of hydric soil	were observ	ed					
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of one is required	d; check all that apply	y)		Secondary Indicators (minimum of two required)			
Surface Water (A1)	Water-Staine	ed Leaves (B9)		Surface Soil Cracks (B6)			
High Water Table (A2)	Aquatic Faur			Drainage Patterns (B10)			
Saturation (A3)	True Aquatic	. ,		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Su			Crayfish Burrows (C8)			
Sediment Deposits (B2)		izospheres on Liv					
Drift Deposits (B3)		Reduced Iron (C4	,	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron		d Soils (Ce				
Iron Deposits (B5)	Thin Muck S			FAC-Neutral Test (D5)			
Inundation Visible on Aerial Imagery (B7)	Gauge or We	()					
Sparsely Vegetated Concave Surface (B8) Other (Expla	in in Remarks)					
Field Observations:	Depth (inch						
	Depth (inch						
Saturation Present? Yes No (includes capillary fringe)	Depth (inch	es):		and Hydrology Present? Yes No			
Describe Recorded Data (stream gauge, monit	toring well, aerial ph	otos, previous ins	pections),	if available:			
Demostra							
Remarks: No other indicators of wetla	nd hydrolog	y were obs	served				

Project/Site: Winnebago Solar and Storage Project	(City/County:	Faribaul	t County	_ Sampling Date:	2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesot	a Sampling Point:	NW-B-09
Investigator(s): BJC	\$	Section, Tov	vnship, Rar	nge: T103 R27 S7		
Landform (hillslope, terrace, etc.): Upland, Depression		L	ocal relief ((concave, convex, none	e): Concave	
Slope (%): 0-2 Lat: 43.7318719	I	_ong:94.	1252218		_ Datum: WGS 8	34
Soil Map Unit Name: Madelia silty clay loam, 0 to 2 g	percent s	slopes		NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	No	 (If no, explain in 	Remarks.)	
Are Vegetation, Soil, or Hydrology sig	gnificantly o	disturbed?	Are "I	Normal Circumstances	' present? Yes	No
Are Vegetation, Soil, or Hydrology na	aturally prof	blematic?	(If ne	eded, explain any ansv	vers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	howing	sampling	g point lo	ocations, transec	ts, important fe	eatures, etc.
Hydrophytic Vegetation Present? Yes No	 ✓ 					
Hydric Soil Present? Yes No			e Sampled			
Wetland Hydrology Present? Yes No		withi	n a Wetlan	d? Yes	No	-
Remarks: Non wetland point located in suspect area that	was data	rminod to		nd in the field Are	a is a souboand	field
Non wettand point located in suspect area that	was uete	inned to	be upia	nu in the held. Are	a is a soybean	neiu.
VEGETATION – Use scientific names of plants.						
	Absolute	Dominant	Indicator	Dominance Test wo	rksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant	Species	
1				That Are OBL, FACW	, or FAC: 0	(A)
2				Total Number of Dom	4	
3 4				Species Across All St	rata: <u>1</u>	(B)
5				Percent of Dominant That Are OBL, FACW		(A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Cov	er	Prevalence Index w	orksheet.	
Stratum (Flot size.) 1.)				Total % Cover of		lv by:
2					x 1 = 0	
3				FACW species 0		
4				FAC species 0	x 3 =	
5				FACU species 0		
Eftr		= Total Cov	er	· ·	x 5 = 0	
Herb Stratum (Plot size: 5 ft r)	100	~	NI	Column Totals: 0	(A) <u>0</u>	(B)
2				Prevalence Inde	ex = B/A = NaN	
3				Hydrophytic Vegeta	tion Indicators:	
4				1 - Rapid Test fo	r Hydrophytic Veget	tation
5				2 - Dominance T	est is >50%	
6				3 - Prevalence In	dex is ≤3.0 ¹	
7					I Adaptations ¹ (Prov rks or on a separate	
8				Problematic Hydr		
9					ophylic vegetation	
10				¹ Indicators of hydric s	oil and wetland hyd	Irology must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Cov	er	be present, unless di	sturbed or problema	atic.
1/				Hydrophytic		
2				Vegetation		~
		= Total Cov	er	Present?	/es No	-
Remarks: (Include photo numbers here or on a separate sl	heet.)					
Area dominated by healthy soy crop	C					

Profile Description: (Describe	to the depth	needed to docum	ent the in	dicator o	or confirm	n the absence of indicators.)			
Depth Matrix		Redox	Features						
(inches) Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²	Texture Remarks	_		
<u>0 - 16</u> <u>10YR 2/1</u>						Clay Loam	_		
<u>16 - 30</u> 10YR 2/1						_Clay	_		
-									
-							_		
							-		
							-		
							-		
-						2	-		
¹ Type: C=Concentration, D=De	pletion, RM=Re	educed Matrix, MS	=Masked	Sand Gra	ins.	² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators:						Indicators for Problematic Hydric Soils ³ :			
Histosol (A1)			leyed Mat			Coast Prairie Redox (A16)			
Histic Epipedon (A2)			edox (S5)			Dark Surface (S7)			
Black Histic (A3)			Matrix (Se	,		Iron-Manganese Masses (F12)			
Hydrogen Sulfide (A4)			lucky Mine			Very Shallow Dark Surface (TF12)			
Stratified Layers (A5)			eleyed Ma			Other (Explain in Remarks)			
2 cm Muck (A10)	(() ()		Matrix (F	'					
Depleted Below Dark Surface	ce (A11)		ark Surfac	. ,		31			
Thick Dark Surface (A12)			Dark Sur	, ,		³ Indicators of hydrophytic vegetation and			
Sandy Mucky Mineral (S1)		Redox L	epression	s (F8)		wetland hydrology must be present,			
5 cm Mucky Peat or Peat (S	-					unless disturbed or problematic.			
Restrictive Layer (if observed)									
Type:		_				Hydric Soil Present? Yes No	_		
Depth (inches):		_					_		
Remarks:									
HYDROLOGY									
Wetland Hydrology Indicators	:								
Primary Indicators (minimum of	one is required	l; check all that ap	ply)			Secondary Indicators (minimum of two require	<u>:d)</u>		
Surface Water (A1)		Water-Stai		, ,		Surface Soil Cracks (B6)			
High Water Table (A2)		Aquatic Fa				Drainage Patterns (B10)			
Saturation (A3)		True Aquat	ic Plants (B14)		Dry-Season Water Table (C2)			
Water Marks (B1)		Hydrogen \$	Sulfide Od	or (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)		Oxidized R	hizospher	es on Livi	ng Roots ((C3) Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)		Presence of the second	of Reduced	d Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)		Recent Iron	n Reductio	n in Tilleo	Soils (C6	6) 🖌 Geomorphic Position (D2)			
Iron Deposits (B5)		Thin Muck	Surface (C	27)		FAC-Neutral Test (D5)			
Inundation Visible on Aerial	Imagery (B7)	Gauge or V	Vell Data (D9)					
Sparsely Vegetated Concav	e Surface (B8)) Other (Exp	lain in Rer	narks)					
Field Observations:									
Surface Water Present?	Yes No	Depth (inc	hes):		_				
Water Table Present?	Yes No	Depth (inc	hes):		_				
	Yes No	Depth (inc	hes):		_ Wetla	land Hydrology Present? Yes No	_		
(includes capillary fringe) Describe Recorded Data (stream	n gauge, monit	toring well, aerial p	hotos, pre	vious ins	pections),	if available:			
,									
Remarks:									
No other indicators	of wetla	nd hydroloo	gy wer	e obs	erved	l			
		- 、							

I

Project/Site: Winnebago Solar and Storage Project	City/Cou	_{inty:} Faribaul	t County g	Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC			State: Minnesota	Sampling Point: NW-B-10
Investigator(s): BJC	Section,	Township, Rar	nge: T103 R28 S12	
Landform (hillslope, terrace, etc.): Upland, Depression		_ Local relief (concave, convex, none):	Concave
Slope (%): 0-2 Lat: 43.7318719	Long: _	94.1252218		Datum: WGS 84
Soil Map Unit Name: Madelia silty clay loam, 0 to 2 pe	cent slopes		NWI classification	tion:
Are climatic / hydrologic conditions on the site typical for this tin	e of year? Yes	No	 (If no, explain in Res 	marks.)
Are Vegetation, Soil, or Hydrology sign	icantly disturbe	d? Are "I	Normal Circumstances" pre	esent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology natu	ally problematic	c? (If ne	eded, explain any answers	s in Remarks.)
SUMMARY OF FINDINGS - Attach site map sho	wing samp	ling point lo	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes No				
Hydric Soil Present? Yes No		s the Sampled		
Wetland Hydrology Present? Yes <u>No</u>	<u>v</u>	vithin a Wetlan	d? Yes	No
Remarks:	a datarmina	d to bo uplo	nd in the field Area is	s a corp field
Non wetland point located in suspect area that wa	suetermine	u to be upla	nu în the held. Alea s	
VEGETATION – Use scientific names of plants.				
A		ant Indicator	Dominance Test works	heet:
Tree Stratum (Plot size:30 ft r) % 1	Cover Specie		Number of Dominant Spe That Are OBL, FACW, or	
2			Total Number of Domina	
3			Species Across All Strata	a: <u>1</u> (B)
4			Percent of Dominant Spe That Are OBL, FACW, or	
Sapling/Shrub Stratum (Plot size: 15 ft r)	= Total	Cover	Prevalence Index works	sheet:
1			Total % Cover of:	Multiply by:
2			OBL species 0	x 1 =
3			FACW species 0	
4				x 3 = <u>0</u>
5				x 4 = 0
Herb Stratum (Plot size: 5 ft r)	= Total	Cover		$x 5 = \frac{0}{2}$
	1 0 1	NI	Column Totals: 0	(A) <u>0</u> (B)
2			Prevalence Index =	= B/A = NaN
3			Hydrophytic Vegetation	n Indicators:
4			1 - Rapid Test for Hy	vdrophytic Vegetation
5			2 - Dominance Test	is >50%
6			3 - Prevalence Index	c is ≤3.0 ¹
7			4 - Morphological Ad	daptations ¹ (Provide supporting or on a separate sheet)
8				hytic Vegetation ¹ (Explain)
9				
10			¹ Indicators of hydric soil a	and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	00% = Total	Cover	be present, unless distur	
1			Hydrophytic	
2			Vegetation Present? Yes	No _
	= Total	Cover	resent: res	
Remarks: (Include photo numbers here or on a separate she Area dominated by healthy corn crop	t.)			

Profile Description:	(Describe to the second	ne depth nee	ded to docu	nent the i	ndicator	or confirm	n the absence o	of indicators.)
Depth	Matrix			x Feature		. 2		
		% Col	lor (moist)	%	Type ¹	_Loc ²	Texture	Remarks
<u>0-24</u> 10YR	3/1						Clay Loam	
-								
-								
-								
¹ Type: C=Concentra	tion D=Depletio	n RM=Reduc	ed Matrix M	 S=Masker	Sand Gr	ains	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil Indicato		11, TAM-I (COUC		0-Waskee		an 13.		for Problematic Hydric Soils ³ :
Histosol (A1)			Sandv	Gleyed Ma	atrix (S4)			Prairie Redox (A16)
Histic Epipedon (A2)			Redox (S5				urface (S7)
Black Histic (A3)				d Matrix (S				inganese Masses (F12)
Hydrogen Sulfide	e (A4)			Mucky Mir				nallow Dark Surface (TF12)
Stratified Layers				Gleyed Ma				Explain in Remarks)
2 cm Muck (A10)			Deplete	d Matrix (F3)			
Depleted Below I	Dark Surface (A	11)	Redox	Dark Surfa	ace (F6)			
Thick Dark Surfa	ce (A12)		Deplete	d Dark Su	rface (F7)		³ Indicators	of hydrophytic vegetation and
Sandy Mucky Mi	. ,		Redox	Depressio	ns (F8)			hydrology must be present,
5 cm Mucky Pea							unless o	disturbed or problematic.
Restrictive Layer (if	observed):							
Туре:							Hydric Soil I	Present? Yes No
Depth (inches):							Inyune con i	
Remarks:								
HYDROLOGY								
Wetland Hydrology							a 1	
Primary Indicators (m		s required; ch						ry Indicators (minimum of two required)
Surface Water (A	,	-	_ Water-Sta		· ·			ace Soil Cracks (B6)
High Water Table	e (A2)	-	_ Aquatic Fa	,	,			nage Patterns (B10)
Saturation (A3)		-	_ True Aqua		. ,			Season Water Table (C2)
Water Marks (B1		-	_ Hydrogen					fish Burrows (C8)
Sediment Depos	. ,	-	Oxidized I					ration Visible on Aerial Imagery (C9)
Drift Deposits (B3		-	Presence					ted or Stressed Plants (D1)
Algal Mat or Crus			_ Recent Irc			d Soils (Cl	, <u> </u>	norphic Position (D2)
Iron Deposits (B			_ Thin Muck	`			FAC-	Neutral Test (D5)
Inundation Visible	-		_ Gauge or		. ,			
Sparsely Vegeta	ed Concave Su	rface (B8)	_ Other (Ex	plain in Re	emarks)			
Field Observations:								
Surface Water Prese		No						
Water Table Present		No				_		
Saturation Present? (includes capillary frir Describe Recorded D	ige)							Present? Yes No
	and tonouni gat	e, nontoni	5, acriar	P.1000, PI		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Remarks:								
No other indi	cators of	wetland	hydrolo	uv we	re oha	erved	I	
		veranu	inguioio	99 000			1	
1								
1								

Project/Site: Winnebago Solar and Storage Project	City/	County: Faribaul	County Sampling	g Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC			State: Minnesota Sampling	g Point: NW-B-11
Investigator(s): BJC	Sect	tion, Township, Ran	_{ge:} T103 R28 S12	
Landform (hillslope, terrace, etc.): Upland, Depression		Local relief (concave, convex, none): <u>Conca</u>	ve
Slope (%): 0-2 Lat: 43.7382316	Long	_{g:} 94.1304624	Datum:	WGS 84
Soil Map Unit Name: Webster clay loam, 0 to 2 perce	nt slopes		NWI classification:	
Are climatic / hydrologic conditions on the site typical for this ti	me of year?	Yes No	 (If no, explain in Remarks.) 	
Are Vegetation, Soil, or Hydrology sign	nificantly distu	urbed? Are "I	Vormal Circumstances" present?	Yes No
Are Vegetation, Soil, or Hydrology nate	urally problem	natic? (If nee	eded, explain any answers in Rem	arks.)
SUMMARY OF FINDINGS – Attach site map sh	nowing sa	mpling point lo	cations, transects, impor	tant features, etc.
Hydrophytic Vegetation Present? Yes No _	 ✓ 			
Hydric Soil Present? Yes No _	<u> </u>	Is the Sampled		<i>.</i>
Wetland Hydrology Present? Yes No _	<u> </u>	within a Wetlan	d? Yes No	
Remarks:		in a d ta ha unla	ad in the field Area is a ser	n field
Non wetland point located in suspect area that w	as determ	inted to be uplai	iu în the field. Alea îs a cor	n neid.
VEGETATION – Use scientific names of plants.]
A		minant Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:30 ft r) 9 1		ecies? <u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u> (A)
2			Total Number of Dominant	
3			Species Across All Strata:	<u>1</u> (B)
4			Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u> (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)	= To	otal Cover	Prevalence Index worksheet:	
1			Total % Cover of:	Multiply by:
2			OBL species 0 x	1 = 0
3			FACW species 0 x	
4			FAC species 0 x	3 = 0
5			FACU species 0 x	
End of the second se	= To	otal Cover	UPL species 0 x	
Herb Stratum (Plot size: 5 ft r)	100	🖌 NI	Column Totals: 0 (A) <u>0</u> (B)
2			Prevalence Index = B/A =	NaN
3		ł	Hydrophytic Vegetation Indica	tors:
4			1 - Rapid Test for Hydrophyt	ic Vegetation
5			2 - Dominance Test is >50%	
6		I	3 - Prevalence Index is ≤3.0	1
7			4 - Morphological Adaptation	(Provide supporting
8			data in Remarks or on a s	
9				jetation (Explain)
10			¹ Indicators of hydric soil and wetl	and bydrology must
Woody Vine Stratum (Plot size: 30 ft r)	<u>100%</u> = To	otal Cover	be present, unless disturbed or p	
1			Hydrophytic	
2			Vegetation Present? Yes	No 🖌
		otal Cover		
Remarks: (Include photo numbers here or on a separate she Area dominated by healthy corn crop				

Profile Description: (Describe to the	e depth needed to document the indicator or o	confirm the absence of indicators.)			
DepthMatrix	Redox Features				
(inches) Color (moist)	%Color (moist)%Type ¹ L	_oc ² TextureRemarks			
<u>0 - 18</u> <u>10YR 3/1</u> <u>10</u>	0	Clay Loam			
18 ⁻ 24 10YR 4/1 10	0	Clay			
-					
¹ Type: C=Concentration, D=Depletion	n, RM=Reduced Matrix, MS=Masked Sand Grains	s. ² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators:	· ·	Indicators for Problematic Hydric Soils ³ :			
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)			
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)			
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)			
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)			
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)			
2 cm Muck (A10) Depleted Below Dark Surface (A1	 Depleted Matrix (F3) Redox Dark Surface (F6) 				
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and			
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,			
5 cm Mucky Peat or Peat (S3)	, ,	unless disturbed or problematic.			
Restrictive Layer (if observed):					
Туре:					
Depth (inches):		Hydric Soil Present? Yes No			
Remarks:					
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				
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So				
Iron Deposits (B5) Inundation Visible on Aerial Image	Thin Muck Surface (C7)	FAC-Neutral Test (D5)			
Sparsely Vegetated Concave Sur					
Field Observations:					
	No Depth (inches):				
	No Depth (inches):				
	No Depth (inches):	Wetland Hydrology Present? Yes No			
(includes capillary fringe)	No Depth (inches)				
Describe Recorded Data (stream gaug	ge, monitoring well, aerial photos, previous inspec	ctions), if available:			
Remarks:					
No other indicators of w	vetland hydrology were obser	rved			

Project/Site: Winnebago Solar and Storage Project	(City/County:	Faribaul	t County	Sampling Date:	2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesota	Sampling Point:	NW-B-12
Investigator(s): BJC	:	Section, To	wnship, Rar	nge: T103 R28 S12		
Landform (hillslope, terrace, etc.): Upland, Depression					Concave	
Slope (%): 0-2 Lat: 43.7356221	I	_ong:94	.1342126		Datum: WGS 8	34
Soil Map Unit Name: Madelia silty clay loam, 0 to 2 p	percent s	slopes		NWI classific	cation:	
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	No	(If no, explain in R	(emarks.)	
Are Vegetation, Soil, or Hydrology sig	nificantly o	disturbed?	Are "	Normal Circumstances" p	present? Yes	No
Are Vegetation, Soil, or Hydrology na	turally prol	blematic?	(If ne	eded, explain any answe	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	howing	sampling	g point lo	ocations, transects	s, important fe	eatures, etc.
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes No			e Sampled			
Wetland Hydrology Present? Yes No	<u> </u>	with	in a Wetlan	d? Yes	No	-
Remarks:	waa data	rmined t		nd in the field Area	ic c corp field	
Non wetland point located in suspect area that v	was uele	ennineu t	o be upia	nu în the held. Alea	is a comment	•
VEGETATION – Use scientific names of plants.						
	Absolute	Dominant		Dominance Test work	(sheet:	
		Species?		Number of Dominant S		
1				That Are OBL, FACW,	or FAC: 0	(A)
2				Total Number of Domin	4	(B)
4				Species Across All Stra	ita:	(B)
5				Percent of Dominant S That Are OBL, FACW,		(A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Cov	ver	Prevalence Index wor	ksheet:	
1				Total % Cover of:	Multip	ly by:
2				OBL species 0	x 1 =	
3				FACW species 0		
4				FAC species 0	x 3 =	
5				FACU species 0		
5 ft r		= Total Cov	ver		x 5 = <u>0</u>	
Herb Stratum (Plot size: 5 ft r)	100	~	NI	Column Totals: 0	(A) <u>0</u>	(B)
2				Prevalence Index	= B/A = <u>NaN</u>	
3.				Hydrophytic Vegetation	on Indicators:	
4				1 - Rapid Test for I	Hydrophytic Vegei	tation
5				2 - Dominance Tes	st is >50%	
6				3 - Prevalence Ind	ex is ≤3.0 ¹	
7				4 - Morphological A		
8					s or on a separate	· ·
9				Problematic Hydro	pnytic vegetation	(Explain)
10				¹ Indicators of hydric so	il and wetland hvd	
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Cov	ver	be present, unless dist		
1				Hydrophytic Vegetation		
2		– Total Cov	/er	Present? Ye	esNo	<u> </u>
Remarks: (Include photo numbers here or on a separate sh						
Area dominated by healthy corn cro	n					
	r					

Profile Description: (Describe to the de	epth needed to document the indicator or c	onfirm the absence of indicators.)			
Depth Matrix	Redox Features				
(inches) Color (moist) %	Color (moist) % Type ¹ Lo	oc ² Texture Remarks			
<u>0-20</u> <u>10YR 2/1</u> <u>100</u>		Clay Loam			
<u>20-24</u> <u>10YR 4/1</u> <u>100</u>		Clay			
-					
-					
-					
-					
¹ Type: C=Concentration D=Depletion P	—	² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators:	M-Reduced Matrix, MG-Masked Sand Grans.	Indicators for Problematic Hydric Soils ³ :			
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)			
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)			
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)			
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)			
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)			
2 cm Muck (A10)	Depleted Matrix (F3)				
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)				
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and			
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,			
5 cm Mucky Peat or Peat (S3)		unless disturbed or problematic.			
Restrictive Layer (if observed):					
Туре:					
Depth (inches):		Hydric Soil Present? Yes No			
Remarks:					
No indicators of hydric so	on were observed				
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of one is req	uired: 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)			
		Crayfish Burrows (C8)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)				
Sediment Deposits (B2)		Roots (C3) Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	ils (C6) Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)			
Inundation Visible on Aerial Imagery	(B7) Gauge or Well Data (D9)				
Sparsely Vegetated Concave Surface	· · _ ·				
Field Observations:					
Surface Water Present? Yes	_ No Depth (inches):				
	No Depth (inches):				
	No Depth (inches):	Wetland Hydrology Present? Yes No			
(includes capillary fringe)					
Describe Recorded Data (stream gauge, i	monitoring well, aerial photos, previous inspect	tions), if available:			
Remarks:					
	tland hydrology wore obser	yed			
	tland hydrology were obser	veu			

Project/Site: Winnebago Solar and Storage Project	t (City/Coun	_{ty:} Faribau	It County Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: <u>Minnesota</u> Sampling Point: <u>NW-B-13</u>
Investigator(s): BJC	\$	Section, 1	Fownship, Rai	nge: T103 R28 S12
Landform (hillslope, terrace, etc.): Upland, Flat			Local relief	(concave, convex, none): Linear
Slope (%): 0-2 Lat: 43.7323328	I	Long: -9	4.1341853	Datum: WGS 84
Soil Map Unit Name: Madelia silty clay loam, 0 to 2	percent s	slopes		NWI classification:
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes_		
Are Vegetation, Soil, or Hydrology sig	gnificantly o	disturbed	? Are "	Normal Circumstances" present? Yes 🗾 No
Are Vegetation, Soil, or Hydrology na	aturally prol	blematic?) (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing	sampli	ng point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	· ·			
Hydric Soil Present? Yes No	, <u> </u>		the Sampled	
Wetland Hydrology Present? Yes No	·	wi	thin a Wetlar	nd? Yes No V
Remarks:			te he unle	nd in the field Area is a correction
Non wetland point located in suspect area that	was dete	ermineo	l to be upla	ind in the field. Area is a corn field.
VEGETATION – Use scientific names of plants.				
	Absolute	Domina	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)			? <u>Status</u>	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4 5				Percent of Dominant Species
		= Total C	over	That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)				Prevalence Index worksheet:
1				$\begin{array}{c c} \underline{\text{Total \% Cover of:}} & \underline{\text{Multiply by:}} \\ \hline \text{OBL species } & 0 & \text{x 1 = } 0 \end{array}$
2				
3				FACW species 0 $x 2 = 0$ FAC species 0 $x 3 = 0$
4				FACU species 0 $x 4 = 0$
0		= Total C	over	UPL species $0 \times 5 = 0$
Herb Stratum (Plot size: 5 ft r)				Column Totals: O (A) O (B)
1. Zea mays	100	<u> </u>	_ <u>NI</u>	
2				Prevalence Index = B/A = NaN
3				Hydrophytic Vegetation Indicators:
4				 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
5				2° = Dominance rest is >50% 3° - Prevalence Index is $\leq 3.0^{\circ}$
6				4 - Morphological Adaptations ¹ (Provide supporting
7				data in Remarks or on a separate sheet)
8 9				Problematic Hydrophytic Vegetation ¹ (Explain)
10				
	100%	= Total C	over	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30 ft r)				be present, unless disturbed of problematic.
1				Hydrophytic
2				Vegetation Present? Yes No V
Remarks: (Include photo numbers here or on a separate si		= Total C	over	
	-			
Area dominated by healthy corn cro	р			

Profile Description: (Describe to	the depth needed to docu	ment the indicator or	confirm the	absence of indicators.)				
Depth <u>Matrix</u>		ox Features						
(inches) Color (moist)		%Type ¹		exture Remarks				
<u>0-24</u> <u>10YR 2/1</u>	100		Cla	ay Loam				
<u>_24 ⁻ 28 _10YR 4/1</u>	100		Cla	ay				
-								
<u> </u>								
-								
¹ Type: C=Concentration, D=Deple	tion RM=Reduced Matrix N	S=Masked Sand Grain		² Location: PL=Pore Lining, M=Matrix.				
Hydric Soil Indicators:	non, ran rioudood matrix, r			ndicators for Problematic Hydric Soils ³ :				
Histosol (A1)	Sandy	Gleyed Matrix (S4)		Coast Prairie Redox (A16)				
Histic Epipedon (A2)		Redox (S5)	_	Dark Surface (S7)				
Black Histic (A3)	Strippe	d Matrix (S6)	_	Iron-Manganese Masses (F12)				
Hydrogen Sulfide (A4)	Loamy	Mucky Mineral (F1)	_	Very Shallow Dark Surface (TF12)				
Stratified Layers (A5)		Gleyed Matrix (F2)	_	_ Other (Explain in Remarks)				
2 cm Muck (A10)		ed Matrix (F3)						
Depleted Below Dark Surface	· · —	Dark Surface (F6)	3					
Thick Dark Surface (A12)		ed Dark Surface (F7)	Ŭ	Indicators of hydrophytic vegetation and				
 Sandy Mucky Mineral (S1) 5 cm Mucky Peat or Peat (S3) 		Depressions (F8)		wetland hydrology must be present, unless disturbed or problematic.				
Restrictive Layer (if observed):				unless disturbed of problematic.				
Type:								
Depth (inches):			Hy	/dric Soil Present? Yes No				
Remarks:								
HYDROLOGY								
Wetland Hydrology Indicators:								
Primary Indicators (minimum of one	e is required; check all that a	pply)		Secondary Indicators (minimum of two required)				
Surface Water (A1)	Water-Sta	ained Leaves (B9)		Surface Soil Cracks (B6)				
High Water Table (A2)	Aquatic F	auna (B13)		Drainage Patterns (B10)				
Saturation (A3)	True Aqu	atic Plants (B14)		Dry-Season Water Table (C2)				
Water Marks (B1)	Hydroger	Sulfide Odor (C1)		Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized	Rhizospheres on Living	g Roots (C3)	 Saturation Visible on Aerial Imagery (C9) 				
Drift Deposits (B3)	Presence	of Reduced Iron (C4)		Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent In	on Reduction in Tilled S	Soils (C6)	Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muc	k Surface (C7)		FAC-Neutral Test (D5)				
Inundation Visible on Aerial Im	agery (B7) Gauge or	Well Data (D9)						
Sparsely Vegetated Concave S	Surface (B8) Other (Ex	plain in Remarks)						
Field Observations:								
	s No 🗹 Depth (ir							
Water Table Present? Yes	s No 🔽 Depth (ir	nches):						
Saturation Present? Yes (includes capillary fringe)	s No _ Depth (in	nches):	Wetland I	Hydrology Present? Yes No				
Describe Recorded Data (stream g	auge, monitoring well, aerial	photos, previous inspe	ections), if ava	ailable:				
Remarks:								
	f							
No other indicators o	r wetland hydrold	ogy were obse	erved					

I

Project/Site: Winnebago Solar and Storage Project	(City/County	Faribaul	t County	Sampling Date:	2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesota	Sampling Point:	NW-B-14
Investigator(s): BJC	:	Section, To	wnship, Rar	nge: T103 R28 S13		
Landform (hillslope, terrace, etc.): Upland, Depression					Concave	
Slope (%): 0-2 Lat: 43.7306792	I	Long: <u>-94</u>	.1288757		Datum: WGS 8	4
Soil Map Unit Name: Madelia silty clay loam, 0 to 2 p	percent s	slopes		NWI classific	ation:	
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes	No	(If no, explain in Re	emarks.)	
Are Vegetation, Soil, or Hydrology sig	gnificantly of	disturbed?	Are "	Normal Circumstances" p	resent? Yes	No
Are Vegetation, Soil, or Hydrology na	turally pro	blematic?	(lf ne	eded, explain any answei	rs in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	howing	samplin	g point lo	ocations, transects	, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes No	~					
Hydric Soil Present? Yes No			e Sampled			
Wetland Hydrology Present? Yes No	<u> </u>	with	in a Wetlan	d? Yes	No	-
Remarks:	waa data	rminod t	a ha unla	nd in the field Area	ic a corp field	
Non wetland point located in suspect area that v	was uele	ernineu t	o ne upia	nu în the heid. Alea		·
VEGETATION – Use scientific names of plants.						
	Absolute	Dominant	Indicator	Dominance Test work	sheet:	
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Sp		
1				That Are OBL, FACW, o	or FAC: 0	(A)
2				Total Number of Domina	4	
3 4				Species Across All Stra	ta: 1	(B)
5				Percent of Dominant Sp That Are OBL, FACW, o		(A/B)
15 ft r		= Total Cov	/er			(/////
Sapling/Shrub Stratum (Plot size: 15 ft r)				Prevalence Index work		y by:
1				<u> </u>		y by.
23				FACW species 0		
4					x 3 = 0	
5.				FACU species 0		
		= Total Cov	/er	UPL species 0	x 5 = 0	
Herb Stratum (Plot size: 5 ft r)	100	~	NI	Column Totals: 0	(A) <u>0</u>	(B)
···				Prevalence Index	= B/A = NaN	
2				Hydrophytic Vegetatio		
3				1 - Rapid Test for H		ation
4				2 - Dominance Tes		
5 6				3 - Prevalence Inde		
7				4 - Morphological A		
8					or on a separate	· ·
9				Problematic Hydrop	phytic Vegetation	(Explain)
10				1		
20 ft r	100%	= Total Cov	/er	¹ Indicators of hydric soil be present, unless distu		
Woody Vine Stratum (Plot size: 30 ft r)				• •		
1				Hydrophytic Vegetation		
2		– Total Cov	/er	Present? Yes	s No	✓
Remarks: (Include photo numbers here or on a separate sh						
Area dominated by healthy corn cro	Y					

Profile Descrip	otion: (Describe	to the dept	h needed to docur	nent the i	ndicator	or confirm	n the absence of indicators.)		
Depth _	Matrix			x Feature					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks		
0 - 18 _1	IOYR 2/1	100					Clay Loam		
18 ⁻ 24 1	I0YR 4/1	100					Clay		
——				·					
				·					
-									
¹ Type: C=Cond	centration. D=Der	letion. RM=	Reduced Matrix, M	- S=Masked	Sand Gra	ains.	² Location: PL=Pore Lining, M=Matrix.		
Hydric Soil Ind							Indicators for Problematic Hydric Soils ³ :		
Histosol (A	1)		Sandy (Gleyed Ma	trix (S4)		Coast Prairie Redox (A16)		
Histic Epipe	,			Redox (S5			Dark Surface (S7)		
Black Histic	c (A3)		Stripped	d Matrix (S	66)		Iron-Manganese Masses (F12)		
	Sulfide (A4)		Loamy	Mucky Mir	neral (F1)		Very Shallow Dark Surface (TF12)		
Stratified L				Gleyed Ma			Other (Explain in Remarks)		
2 cm Muck	· ,			d Matrix (I	,				
	Below Dark Surface	ce (A11)		Dark Surfa					
	Surface (A12) ky Mineral (S1)			a Dark Su Depressio	rface (F7)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present,		
· — ·	y Peat or Peat (S	3)		Jepressio	lis (F0)		unless disturbed or problematic.		
	yer (if observed)	-							
_	,,								
	es):						Hydric Soil Present? Yes No		
Remarks:									
	nors of hy		were obse	veu					
HYDROLOG	Y								
Wetland Hydro	ology Indicators	:							
Primary Indicate	ors (minimum of	one is require	ed; check all that ap	oply)			Secondary Indicators (minimum of two required)		
Surface Wa	ater (A1)		Water-Sta	ined Leav	es (B9)		Surface Soil Cracks (B6)		
High Water	r Table (A2)		Aquatic Fa	auna (B13)		Drainage Patterns (B10)		
Saturation	(A3)		True Aqua	tic Plants	(B14)		Dry-Season Water Table (C2)		
Water Mark	ks (B1)		Hydrogen	Sulfide O	dor (C1)		Crayfish Burrows (C8)		
Sediment [Deposits (B2)		Oxidized F	Rhizosphe	res on Livi	ing Roots	(C3) Saturation Visible on Aerial Imagery (C9)		
Drift Depos	sits (B3)		Presence	of Reduce	d Iron (C4	ł)	Stunted or Stressed Plants (D1)		
Algal Mat o	or Crust (B4)		Recent Irc	n Reducti	on in Tilleo	d Soils (C6	 Geomorphic Position (D2) 		
Iron Depos	sits (B5)		Thin Muck	Surface (C7)		FAC-Neutral Test (D5)		
Inundation	Visible on Aerial	Imagery (B7) Gauge or	Well Data	(D9)				
Sparsely V	egetated Concav	e Surface (B	8) Other (Exp	olain in Re	marks)				
Field Observat									
Surface Water			lo Depth (in						
Water Table Pro	esent?	/es N	lo 🔽 Depth (in	ches):		_			
Saturation Pres (includes capilla	ary fringe)		lo Depth (in				and Hydrology Present? Yes No		
Describe Recor	rded Data (strean	n gauge, mor	nitoring well, aerial	photos, pr	evious ins	pections),	it available:		
Remarks:									
No other i	indicators	of wetla	and hydrolo	gy we	re obs	erved	l		
				., .					

Project/Site: Winnebago Solar and Storage Project	Ci	City/County: Faribault County Sampling Date: 2021-07-15				15
Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesota Samplir	ng Point: NW-B-15	
Investigator(s): BJC	S	ection, Towr	nship, Ran	_{ge:} T103 R28 S12		
Landform (hillslope, terrace, etc.): Upland, Flat		Lo	cal relief (concave, convex, none): Linear	r	
Slope (%): 0-2 Lat: 43.7457065	Lo	ong: -94.1	331643	Datum:	WGS 84	
Soil Map Unit Name: Waldorf silty clay loam, 0 to 2 p	percent sl	lopes		NWI classification:		
Are climatic / hydrologic conditions on the site typical for this	time of year	? Yes	No	 (If no, explain in Remarks.))	
Are Vegetation, Soil, or Hydrology sig	gnificantly di	isturbed?	Are "N	lormal Circumstances" present?	Yes 🖌 No 🔄	
Are Vegetation, Soil, or Hydrology na	turally probl	lematic?	(If nee	ded, explain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site map s	howing s	sampling	point lo	cations, transects, impo	rtant features, e	tc.
Hydrophytic Vegetation Present? Yes No	 ✓ 					
Hydric Soil Present? Yes No	<u> </u>		Sampled /		~	
Wetland Hydrology Present? Yes No	<u> </u>	within	a Wetland	1? Yes No	,	
Remarks:			he unler	d in the field Area is a se	vlason field	
Non wetland point located in suspect area that v	was deter	mined to	be uplar	id in the field. Area is a so	ybean neid.	
VEGETATION – Use scientific names of plants.						
	Absolute	Dominant Ir	ndicator	Dominance Test worksheet:		
Tree Stratum (Plot size:30 ft r) 1		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u> (A)	
2				Total Number of Dominant		
3				Species Across All Strata:	<u>1</u> (B)	
4				Percent of Dominant Species		
5				That Are OBL, FACW, or FAC:	<u>0</u> (A/E	B)
Sapling/Shrub Stratum (Plot size: 15 ft r)	=	Total Cover	ſ	Prevalence Index worksheet:		\neg
1				Total % Cover of:		
2				OBL species 0 x		
3				FACW species 0 x		
4				FAC species 0 x		
5				FACU species 0 x		
Herb Stratum (Plot size: 5 ft r)	=	Total Cover	r		$5 = \frac{0}{2}$	
Glycine max	100	v N	NI	Column Totals: 0 (A	A) <u>0</u> (B	³⁾
2				Prevalence Index = B/A =	NaN	
3			[Hydrophytic Vegetation Indica	ators:	
4				1 - Rapid Test for Hydrophy	tic Vegetation	
5				2 - Dominance Test is >50%		
6				3 - Prevalence Index is ≤3.0) ¹	
7				4 - Morphological Adaptatio		ng
8				data in Remarks or on a Problematic Hydrophytic Ve		
9						
10				¹ Indicators of hydric soil and we	tland hydrology must	
Woody Vine Stratum (Plot size: 30 ft r)	100% =	Total Cover	r	be present, unless disturbed or		
1,				Hydrophytic		
2				Vegetation		
		Total Cover	r	Present? Yes	No	
Remarks: (Include photo numbers here or on a separate sh	neet.)		1			\neg
Area dominated by healthy soy crop)					

Profile Description: (Describe to	the depth needed to document the indica	ator or confirm	the absence of indicators.)
Depth Matrix	Redox Features		
(inches) Color (moist)	% Color (moist) % Typ	be ¹ Loc ²	Remarks
<u>0-26</u> <u>10YR 2/1</u>			Clay Loam
26 ⁻ 30 10YR 4/1	100		Clay
-			
-			
¹ Type: C=Concentration, D=Deple	tion, RM=Reduced Matrix, MS=Masked San	d Grains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:			Indicators for Problematic Hydric Soils ³ :
Listosol (A1)	Sandy Gleyed Matrix (S	54)	Coast Prairie Redox (A16)
Histic Epipedon (A2)	Sandy Redox (S5)	,	Dark Surface (S7)
Black Histic (A3)	Stripped Matrix (S6)		Iron-Manganese Masses (F12)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral ((F1)	Very Shallow Dark Surface (TF12)
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
2 cm Muck (A10)	Depleted Matrix (F3)	-	
Depleted Below Dark Surface			³ la diactana of laudeaula dia ana setatian and
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Depleted Dark Surface Redox Depressions (F8	, ,	³ Indicators of hydrophytic vegetation and wetland hydrology must be present,
5 cm Mucky Peat or Peat (S3)		5)	unless disturbed or problematic.
Restrictive Layer (if observed):			
Type:			
Depth (inches):			Hydric Soil Present? Yes No
Remarks:			
	ic soil were observed		
HYDROLOGY			
Wetland Hydrology Indicators:			
Primary Indicators (minimum of on	e is required; check all that apply)		Secondary Indicators (minimum of two required)
Surface Water (A1)	Water-Stained Leaves (B	9)	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 (C	:1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres or	n Living Roots (0	C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iror		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	
Iron Deposits (B5)	Thin Muck Surface (C7)		FAC-Neutral Test (D5)
Inundation Visible on Aerial Im			
Sparsely Vegetated Concave	Surface (B8) Other (Explain in Remark	s)	
Field Observations:			
	s No Depth (inches):		
	s No Depth (inches):		
(includes capillary fringe)	s No Depth (inches):		nd Hydrology Present? Yes No
Describe Recorded Data (stream g	auge, monitoring well, aerial photos, previou	s inspections), If	i avanabit.
Remarks:			
	and hydrology were observ	ved	

Project/Site: Winnebago Solar and Storage Project	City/C	County: Faribaul	t County	Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC			State: Minnesota	Sampling Point: NW-B-16
Investigator(s): BJC	Section	on, Township, Ran	_{ige:} T103 R28 S12	
Landform (hillslope, terrace, etc.): Upland, Depression				Concave
Slope (%): 0-2 Lat: 43.7435590	Long:	-94.1356369		Datum: WGS 84
Soil Map Unit Name: Canisteo clay loam, 0 to 2 perce	ent slopes		NWI classific	ation:
Are climatic / hydrologic conditions on the site typical for this ti	me of year? Y			
Are Vegetation, Soil, or Hydrology sign	nificantly distur	rbed? Are "N	Normal Circumstances" p	resent? Yes 🔽 No
Are Vegetation, Soil, or Hydrology nat	urally problem	atic? (If nee	eded, explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map sh	nowing san	npling point lo	ocations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No _	v			
Hydric Soil Present? Yes No	<u> </u>	Is the Sampled		
Wetland Hydrology Present? Yes No	<u> </u>	within a Wetlan	d? Yes	No
Remarks:	voo dotovnoi		ad in the field Aree	ie e eeubeen field
Non wetland point located in suspect area that w	as determine	ned to be uplai	na in the held. Area	
VEGETATION – Use scientific names of plants.]
20.4		ninant Indicator	Dominance Test work	sheet:
Tree Stratum (Plot size: 30 ft r) r 1.		ecies? <u>Status</u>	Number of Dominant Sp That Are OBL, FACW, o	
2			Total Number of Domina	
3			Species Across All Stra	ta: <u>1</u> (B)
4			Percent of Dominant Sp That Are OBL, FACW, o	
Sapling/Shrub Stratum (Plot size: 15 ft r)	= Tot	tal Cover	Prevalence Index worl	ksheet:
1			Total % Cover of:	Multiply by:
2			OBL species 0	x 1 = 0
3			FACW species 0	
4			FAC species 0	x 3 = <u>0</u>
5				× 4 =
Fftr S	= Tot	tal Cover		x 5 = <u>0</u>
Herb Stratum (Plot size: 5 ft r)	100	🖌 NI	Column Totals: 0	(A) <u>0</u> (B)
2			Prevalence Index	= B/A = NaN
3		ŀ	Hydrophytic Vegetatio	n Indicators:
4			1 - Rapid Test for ⊢	lydrophytic Vegetation
5			2 - Dominance Tes	t is >50%
6		I	3 - Prevalence Inde	x is ≤3.0 ¹
7			4 - Morphological A	daptations ¹ (Provide supporting sor on a separate sheet)
8				bhytic Vegetation ¹ (Explain)
9				
10			¹ Indicators of hydric soil	and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	100% = Tot	tal Cover	be present, unless distu	
			Hydrophytic	
2			Vegetation	
		tal Cover	Present? Yes	s No
Remarks: (Include photo numbers here or on a separate she	eet.)	I		
Area dominated by healthy soy crop				

Profile Description: (Describe to the d	epth needed to document the indicator or o	confirm the absence of indicators.)		
Depth <u>Matrix</u>	Redox Features			
(inches) Color (moist) %	Color (moist)%Type ¹ _L	_oc ² Texture Remarks		
<u>0-20</u> <u>10YR 2/1</u> <u>100</u>		Clay Loam		
<u>20⁻24</u> <u>10YR 5/2</u> <u>100</u>		Clay		
-				
-				
¹ Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, MS=Masked Sand Grains	2 Location: PL=Pore Lining, M=Matrix.		
Hydric Soil Indicators:	·	Indicators for Problematic Hydric Soils ³ :		
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)		
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)		
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)		
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)		
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)		
2 cm Muck (A10) Depleted Below Dark Surface (A11)	Depleted Matrix (F3) Redox Dark Surface (F6)			
Thick Dark Surface (A12)	Redox Dark Surface (F6) Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and		
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,		
5 cm Mucky Peat or Peat (S3)		unless disturbed or problematic.		
Restrictive Layer (if observed):				
Туре:				
Depth (inches):		Hydric Soil Present? Yes No		
Remarks:				
HYDROLOGY				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of one is rec	uired; 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			
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So			
Iron Deposits (B5)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)		
Inundation Visible on Aerial Imagery	· / · /			
Sparsely Vegetated Concave Surface	e (B8) Other (Explain in Remarks)			
Field Observations:	_ No Depth (inches):			
	No Depth (inches):			
(includes capillary fringe)	_ No Depth (inches): monitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes No		
]		,, , , , , , , , , , , , , , , , , , ,		
Remarks:				
No other indicators of we	tland hydrology were obser	rved		
	, ,,			

Project/Site: Winnebago Solar and Storage Project	City/C	ounty: Faribaul	t County	Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				Sampling Point: NW-B-17
Investigator(s): BJC	Sectio	n, Township, Ran	nge: T103 R28 S12	
Landform (hillslope, terrace, etc.): Upland, Depression		Local relief (concave, convex, none):	Concave
Slope (%): 0-2 Lat: 43.7445508	Long:	-94.1368729		Datum: WGS 84
Soil Map Unit Name: Canisteo clay loam, 0 to 2 perce	ent slopes		NWI classific	ation:
Are climatic / hydrologic conditions on the site typical for this ti	me of year? Ye			
Are Vegetation, Soil, or Hydrology sigr	nificantly disturb	bed? Are "I	Normal Circumstances" p	resent? Yes 🔽 No
Are Vegetation, Soil, or Hydrology nate	urally problema	tic? (If nee	eded, explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map sh	nowing sam	pling point lo	ocations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No _	 ✓ 			
Hydric Soil Present? Yes No _		Is the Sampled		
Wetland Hydrology Present? Yes No _	<u> </u>	within a Wetlan	d? Yes	No
Remarks:	ioo dotowoju		ad in the field Aree	ie e eeubeen field
Non wetland point located in suspect area that w	as determin	ied to be upial	na in the held. Area	
VEGETATION – Use scientific names of plants.]
A A		inant Indicator	Dominance Test work	sheet:
Tree Stratum (Plot size:30 ft r) 9 1		cies? <u>Status</u>	Number of Dominant Sp That Are OBL, FACW, o	
2			Total Number of Domina	
3			Species Across All Stra	ta: <u>1</u> (B)
4			Percent of Dominant Sp That Are OBL, FACW, o	
Sapling/Shrub Stratum (Plot size: 15 ft r)	= Tota	al Cover	Prevalence Index worl	ksheet:
1				Multiply by:
2			OBL species 0	x 1 = 0
3			FACW species 0	
4			FAC species 0	x 3 = <u>0</u>
5				× 4 =
5 ft r	= Tota	al Cover		x 5 = <u>0</u>
Herb Stratum (Plot size: 5 ft r)	100 •	∕ NI	Column Totals: 0	(A) <u>0</u> (B)
2			Prevalence Index	= B/A = NaN
3		ł	Hydrophytic Vegetatio	n Indicators:
4			1 - Rapid Test for ⊢	lydrophytic Vegetation
5			2 - Dominance Tes	t is >50%
6		I	3 - Prevalence Inde	ex is ≤3.0 ¹
7			4 - Morphological A	daptations ¹ (Provide supporting
8				or on a separate sheet)
9				onytic vegetation (Explain)
10			¹ Indicators of hydric soil	and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	100% = Tota	al Cover	be present, unless distu	
1			Hydrophytic	
2			Vegetation	
		al Cover	Present? Yes	s No
Remarks: (Include photo numbers here or on a separate she	eet.)			
Area dominated by healthy soy crop				
L				

Profile Description: (Desc	ribe to the dept	h needed to docun	nent the indicator of	or confirm	the absence of indicator	rs.)	
Depth Mat	rix	Redo	Features				
(inches) Color (mois	st) %	Color (moist)	<u>%</u> <u>Type¹</u>	Loc ²	Texture	Remarks	
0 - 32 10YR 2/1	100				Clay Loam		
-							
-							
-							
¹ Type: C=Concentration, D	=Depletion, RM=	Reduced Matrix, MS	S=Masked Sand Gra	ins.	² Location: PL=Pore L		
Hydric Soil Indicators:					Indicators for Problem	-	
Histosol (A1)			Bleyed Matrix (S4)		Coast Prairie Redo	ox (A16)	
Histic Epipedon (A2)			edox (S5)		Dark Surface (S7)		
Black Histic (A3)			Matrix (S6)		Iron-Manganese M	· ,	
Hydrogen Sulfide (A4)			Mucky Mineral (F1)		Very Shallow Dark		
Stratified Layers (A5) 2 cm Muck (A10)			Gleyed Matrix (F2) d Matrix (F3)		Other (Explain in R	(emarks)	
Depleted Below Dark S	urface (A11)		ark Surface (F6)				
Thick Dark Surface (A1	. ,		d Dark Surface (F7)		³ Indicators of hydrophy	rtic vegetation and	
Sandy Mucky Mineral (Depressions (F8)		wetland hydrology	-	
5 cm Mucky Peat or Pe	,				unless disturbed or	•	
Restrictive Layer (if obser							
-							
Depth (inches):					Hydric Soil Present?	Yes No	
Remarks:							
Remarks.							
HYDROLOGY							
Wetland Hydrology Indica	tors:						
Primary Indicators (minimun	n of one is require	ed: check all that ap	ply)		Secondary Indicators	s (minimum of two required)	
Surface Water (A1)			ned Leaves (B9)		Surface Soil Cra		
High Water Table (A2)		Aquatic Fa	, ,		Drainage Patter	, ,	
Saturation (A3)			tic Plants (B14)		Dry-Season Water Table (C2)		
Water Marks (B1)			Sulfide Odor (C1)		Crayfish Burrow		
Sediment Deposits (B2)			hizospheres on Livi	na Roots (e on Aerial Imagery (C9)	
Drift Deposits (B3)			of Reduced Iron (C4	-	Stunted or Stres		
Algal Mat or Crust (B4)			n Reduction in Tilled				
Iron Deposits (B5)		Thin Muck			FAC-Neutral Tes		
Inundation Visible on A	erial Imagery (B7		. ,				
Sparsely Vegetated Co	•••						
Field Observations:	(-	,	,				
Surface Water Present?	Yes N	lo 🗾 Depth (ind	ches):				
Water Table Present?		lo <u> </u>					
		lo Depth (inc			and Hydrology Present?		
Saturation Present? (includes capillary fringe)					and myurology Present?	NO	
Describe Recorded Data (st	ream gauge, moi	nitoring well, aerial p	hotos, previous ins	pections), i	if available:		
Remarks:							
	re of work	and hydrolo	nu wara aba	onvod			
No other indicato	is or wella		yy were obs	erved			

Project/Site: Winnebago Solar and Storage Project	t (City/Count	_{y:} Faribaul	It County Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: <u>Minnesota</u> Sampling Point: <u>NW-B-18</u>
Investigator(s): BJC	\$	Section, To	ownship, Rar	nge: T103 R28 S12
Landform (hillslope, terrace, etc.): Upland, Depression			Local relief	(concave, convex, none): Concave
Slope (%): 0-2 Lat: 43.7423852	I	_ong:94	4.1390815	Datum: WGS 84
Soil Map Unit Name: Webster clay loam, 0 to 2 perc	ent slope	es		NWI classification:
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes _	No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology sig	gnificantly o	disturbed?	Are "	Normal Circumstances" present? Yes 🗾 No
Are Vegetation, Soil, or Hydrology na	aturally prot	blematic?	(lf ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing	samplir	ng point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	· _ / _			
Hydric Soil Present? Yes No	, <u> </u>		he Sampled	
Wetland Hydrology Present? Yes No	·	with	hin a Wetlan	nd? Yes No 🔽
Remarks:	waa data	rminod	ta ha unla	and in the field. Area is a southean field
Non wetland point located in suspect area that	was dele	ernineu	to be upla	ind in the field. Area is a soybean field.
VEGETATION – Use scientific names of plants.				
· · ·	Absolute	Dominan	t Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:30 ft r) 1	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>1</u> (B)
4				Percent of Dominant Species
5		- Total Ca		That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		- 10tai 00	1461	Prevalence Index worksheet:
1				Total % Cover of:Multiply by:
2				OBL species $\frac{0}{2}$ x 1 = $\frac{0}{2}$
3				FACW species $0 \times 2 = 0$
4				FAC species 0 $x = 0$
5				FACU species $\frac{0}{2}$ x 4 = $\frac{0}{2}$
Herb Stratum (Plot size: 5 ft r)		= Total Co	over	UPL species $\frac{0}{0}$ x 5 = $\frac{0}{0}$
1. Glycine max	100	~	NI	Column Totals: 0 (A) 0 (B)
2				Prevalence Index = B/A = NaN
3				Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9				
10				¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Co	ver	be present, unless disturbed or problematic.
1/				Hydrophytic
2				Vegetation
		= Total Co	over	Present? Yes No V
Remarks: (Include photo numbers here or on a separate sl	heet.)			
Area dominated by healthy soy crop	С			

Profile Description: (Desc	ribe to the depth	needed to docum	ent the indicator	or confirm	n the absence of indicators.)
Depth Ma		Redox	Features		
(inches) Color (mois	st)	Color (moist)	% Type ¹	Loc ²	Texture Remarks
<u>0 - 26</u> <u>10YR 2/1</u>					Clay Loam
26 ⁻ 30 10YR 4/1	100				Clay
-					
-					
¹ Type: C=Concentration, D	=Depletion RM=F	Reduced Matrix MS:		ains	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:					Indicators for Problematic Hydric Soils ³ :
Histosol (A1)		Sandy GI	eyed Matrix (S4)		Coast Prairie Redox (A16)
Histic Epipedon (A2)		Sandy Re			Dark Surface (S7)
Black Histic (A3)		Stripped	Matrix (S6)		Iron-Manganese Masses (F12)
Hydrogen Sulfide (A4)			ucky Mineral (F1)		Very Shallow Dark Surface (TF12)
Stratified Layers (A5)			leyed Matrix (F2)		Other (Explain in Remarks)
2 cm Muck (A10)			Matrix (F3)		
Depleted Below Dark S	. ,		ark Surface (F6)		3 undirections of local and local in a sector in a sector
Thick Dark Surface (A1 Sandy Mucky Mineral (3	,		Dark Surface (F7) epressions (F8)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present,
5 cm Mucky Peat or Pe	,		epressions (Po)		unless disturbed or problematic.
Restrictive Layer (if obser					
Type:					
Depth (inches):					Hydric Soil Present? Yes No
Remarks:					
No indicators of		were observ			
HYDROLOGY					
Wetland Hydrology Indica	tors:				
Primary Indicators (minimum	n of one is require	d; check all that app	ly)		Secondary Indicators (minimum of two required)
Surface Water (A1)		Water-Stain	ed Leaves (B9)		Surface Soil Cracks (B6)
High Water Table (A2)		Aquatic Fau	ina (B13)		Drainage Patterns (B10)
Saturation (A3)		True Aquati	c Plants (B14)		Dry-Season Water Table (C2)
Water Marks (B1)		Hydrogen S	ulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2))	Oxidized Rh	nizospheres on Livi	ng Roots ((C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Presence of	Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)		Recent Iron	Reduction in Tilled	d Soils (C6	 Geomorphic Position (D2)
Iron Deposits (B5)		Thin Muck S	Surface (C7)		<pre> FAC-Neutral Test (D5)</pre>
Inundation Visible on A	••••		/ell Data (D9)		
Sparsely Vegetated Co	ncave Surface (B	Other (Explanation)	ain in Remarks)		
Field Observations:					
Surface Water Present?	Yes N	o Depth (incl	nes):	_	
Water Table Present?	Yes N	o 🗾 Depth (incł	nes):	_	
Saturation Present? (includes capillary fringe)		o <u> </u> Depth (inch			and Hydrology Present? Yes No
Describe Recorded Data (st	ream gauge, mon	ntoring well, aerial pr	lotos, previous ins	pections),	II avaliadie.
Remarks:					
No other indicato	ors of wetle	nd hydrolog	IV were ohs	erved	

Project/Site: Winnebago Solar and Storage Project	t (City/Count	_{y:} Faribaul	It County Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: <u>Minnesota</u> Sampling Point: <u>NW-B-19</u>
Investigator(s): BJC Sec.			ownship, Rai	nge: T103 R28 S12
Landform (hillslope, terrace, etc.): Upland, Depression				
Slope (%): 0-2 Lat: 43.7405707	I	Long:94	4.1399594	1 Datum: WGS 84
Soil Map Unit Name: Webster clay loam, 0 to 2 perc	ent slope	es		NWI classification:
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes _	No	 (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology si	gnificantly o	disturbed?	Are "	Normal Circumstances" present? Yes 🗾 No
Are Vegetation, Soil, or Hydrology na	aturally prot	blematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	showing	sampliı	ng point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	, /			
Hydric Soil Present? Yes No	, <u> </u>		he Sampled	
Wetland Hydrology Present? Yes No	·	wit	hin a Wetlan	nd? Yes No
Remarks:	waa data		to be uple	nd in the field. Area is a southean field
Non wetland point located in suspect area that	was dete	erminea	to be upla	ind in the field. Area is a soybean field.
VEGETATION – Use scientific names of plants.				
	Absolute	Dominan	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:30 ft r) 1)		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>1</u> (B)
4				Percent of Dominant Species
5		- Total Co		That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)			Jvei	Prevalence Index worksheet:
1				Total % Cover of:Multiply by:
2				OBL species $\frac{0}{2}$ x 1 = $\frac{0}{2}$
3				FACW species $0 \times 2 = 0$
4				FAC species $0 \times 3 = 0$
5				FACU species $\frac{0}{2}$ x 4 = $\frac{0}{2}$
Herb Stratum (Plot size: 5 ft r)		= Total Co	over	UPL species $\frac{0}{0}$ x 5 = $\frac{0}{0}$
1. Glycine max	100	~	NI	Column Totals: 0 (A) 0 (B)
2				Prevalence Index = B/A = <u>NaN</u>
3				Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9				
10				¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)	100%	= Total Co	over	be present, unless disturbed or problematic.
1,				Hydrophytic
2				Vegetation
		= Total Co	over	Present? Yes No V
Remarks: (Include photo numbers here or on a separate s	heet.)			
Area dominated by healthy soy cro	o			
	I Contraction of the second seco			

Profile Description: (Desc	ribe to the dept	h needed to docun	nent the indicat	or or confirn	n the absence of indicators.)		
DepthMat		Redo	<pre>K Features</pre>				
(inches) Color (mois	st) %	Color (moist)	Туре	e ¹ Loc ²	Texture Remarks		
<u>0-20</u> <u>10YR 2/1</u>					Clay Loam		
20 ⁻ 24 10YR 4/1	100				Clay		
-							
-							
¹ Type: C=Concentration, D	=Depletion, RM=	Reduced Matrix, MS	=Masked Sand	Grains.	² Location: PL=Pore Lining, M=Matrix.		
Hydric Soil Indicators:					Indicators for Problematic Hydric Soils ³ :		
Histosol (A1)		Sandy G	Bleyed Matrix (S4	4)	Coast Prairie Redox (A16)		
Histic Epipedon (A2)			edox (S5)		Dark Surface (S7)		
Black Histic (A3)		Stripped	Matrix (S6)		Iron-Manganese Masses (F12)		
Hydrogen Sulfide (A4)			/lucky Mineral (F		Very Shallow Dark Surface (TF12)		
Stratified Layers (A5)			Gleyed Matrix (F	2)	Other (Explain in Remarks)		
2 cm Muck (A10)			d Matrix (F3)	`			
Depleted Below Dark S Thick Dark Surface (A1	· · ·)ark Surface (F6 d Dark Surface (³ Indicators of hydrophytic vegetation and		
Sandy Mucky Mineral (epressions (F8)	,	wetland hydrology must be present,		
5 cm Mucky Peat or Pe	,		(i e)		unless disturbed or problematic.		
Restrictive Layer (if obser							
_	-						
Depth (inches):					Hydric Soil Present? Yes No		
Remarks:							
No indicators of	nyune son	were obser	veu				
HYDROLOGY							
Wetland Hydrology Indica	tors:						
Primary Indicators (minimun	n of one is require	ed; check all that ap	ply)		Secondary Indicators (minimum of two required)		
Surface Water (A1)		Water-Stai	ned Leaves (B9))	Surface Soil Cracks (B6)		
High Water Table (A2)		Aquatic Fa	una (B13)		Drainage Patterns (B10)		
Saturation (A3)		True Aqua	tic Plants (B14)		Dry-Season Water Table (C2)		
Water Marks (B1)		Hydrogen	Sulfide Odor (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2))	Oxidized R	hizospheres on	Living Roots	(C3) Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)		Presence of	of Reduced Iron	(C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)		Recent Iro	n Reduction in T	illed Soils (C6	6) 🖌 Geomorphic Position (D2)		
Iron Deposits (B5)		Thin Muck	Surface (C7)		FAC-Neutral Test (D5)		
Inundation Visible on A	erial Imagery (B7) Gauge or \	Vell Data (D9)				
Sparsely Vegetated Co	ncave Surface (B	8) Other (Exp	lain in Remarks)			
Field Observations:							
Surface Water Present?		lo Depth (ind					
Water Table Present?		lo 🔽 Depth (inc					
Saturation Present? (includes capillary fringe) Describe Recorded Data (st		lo Depth (ind			land Hydrology Present? Yes No		
	sam gaage, mo	moning won, aonar p					
Remarks:							
No other indicato	rs of weth	and hydrolog	nv were o	hserved	l		
			,				

Project/Site: Winnebago Solar and Storage Project	t C	ity/County: <u>F</u>	aribault Co	ounty	_ Sampling Date:	2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC	Applicant/Owner: Glidepath Power Solutions, LLC				Sampling Point:	NW-B-20
Investigator(s): BJC	s	ection, Town	nship, Range:	T103 R28 S12		
Landform (hillslope, terrace, etc.): Upland, Depression		Lo	cal relief (cond	cave, convex, none)	Concave	
Slope (%): 0-2 Lat: 43.7455325	Lo	ong:94.14	449373		Datum: WGS 8	34
Soil Map Unit Name: Webster clay loam, 0 to 2 perc	ent slope	S		NWI classifi	cation:	
Are climatic / hydrologic conditions on the site typical for this	time of year					
Are Vegetation, Soil, or Hydrology sig	gnificantly di	isturbed?	Are "Norn	nal Circumstances"	present? Yes	No
Are Vegetation, Soil, or Hydrology na	aturally prob	lematic?	(If needed	l, explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	showing s	sampling	point locat	tions, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes No	· _ / _					
Hydric Soil Present? Yes No	· <u>·</u>		Sampled Area			
Wetland Hydrology Present? Yes No	·	within	a Wetland?	Yes	No	-
Remarks:		uncin a d ta	ha unland :	a the field Area	io o ocuboon f	ii a lal
Non wetland point located in suspect area that	was deter	mined to	be upland i	n the held. Area	a is a soybean i	leiu.
VEGETATION – Use scientific names of plants.						
20 ft -		Dominant In		minance Test wor	ksheet:	
Tree Stratum (Plot size:30 ft r) 1		Species?	Nu	mber of Dominant S at Are OBL, FACW,		(A)
2			Tot	tal Number of Domi		
3			Sp	ecies Across All Str	rata: <u>1</u>	(B)
4 5			Th	rcent of Dominant S at Are OBL, FACW,		(A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)	=	Total Cover	Pre	evalence Index wo	rksheet:	
1					Multipl	y by:
2			OB	L species 0	x 1 = 0	
3			FA	CW species 0		
4			FA	C species 0	x 3 = <u>0</u>	
5			FA	CU species 0		
		Total Cover			x 5 = <u>0</u>	
Herb Stratum (Plot size: 5 ft r)	100	~ N	VI Co	lumn Totals: 0	(A) <u>0</u>	(B)
2				Prevalence Inde	x = B/A = NaN	
3			Hy	drophytic Vegetat	ion Indicators:	
4				1 - Rapid Test for	Hydrophytic Veget	ation
5				2 - Dominance Te	est is >50%	
6				3 - Prevalence Inc	dex is ≤3.0 ¹	
7				4 - Morphological	Adaptations ¹ (Prov	vide supporting
8				Problematic Hydro	ks or on a separate	· ·
9					ophytic vegetation	(Explain)
10			1_	dicators of hydric so	oil and wetland hvd	rology must
Woody Vine Stratum (Plot size: 30 ft r)	100% =	Total Cover		present, unless dis		
1			Ну	drophytic		
2			Ve	getation		~
	=	· Total Cover	Pre	esent? Yo	es No	
Remarks: (Include photo numbers here or on a separate s	heet.)					
Area dominated by healthy soy crop	С					

Profile Description: (Description:	ibe to the depth	needed to docume	nt the indicator or	confirm	the absence of indicators.)			
Depth Matr	ix	Redox F	eatures					
(inches) Color (moist		Color (moist)	% Type ¹	Loc ²	Texture Remarks			
<u>0-24</u> 10YR 2/1	100				Clay Loam			
<u>_24 ⁻ 28</u> <u>10YR 4/1</u>	100				Clay			
-								
-								
¹ Type: C=Concentration, D=	Depletion, RM=R	educed Matrix, MS=I	Aasked Sand Grain	IS.	² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators:					Indicators for Problematic Hydric Soils ³ :			
Histosol (A1)			yed Matrix (S4)		Coast Prairie Redox (A16)			
Histic Epipedon (A2)		Sandy Red			Dark Surface (S7)			
Black Histic (A3)		Stripped M			Iron-Manganese Masses (F12)			
Hydrogen Sulfide (A4)			cky Mineral (F1)		Very Shallow Dark Surface (TF12)			
Stratified Layers (A5)		Loamy Gle	yed Matrix (F2)		Other (Explain in Remarks)			
2 cm Muck (A10)		Depleted N	latrix (F3)					
Depleted Below Dark Su	rface (A11)	Redox Dar	k Surface (F6)					
Thick Dark Surface (A12)	Depleted D	ark Surface (F7)		³ Indicators of hydrophytic vegetation and			
Sandy Mucky Mineral (S	1)	Redox Dep	oressions (F8)		wetland hydrology must be present,			
5 cm Mucky Peat or Pea	t (S3)				unless disturbed or problematic.			
Restrictive Layer (if observ	ed):							
Туре:								
Depth (inches):					Hydric Soil Present? Yes No			
Remarks:				I				
HYDROLOGY								
Wetland Hydrology Indicate	ors:							
Primary Indicators (minimum	of one is require	d; check all that apply)		Secondary Indicators (minimum of two required)			
Surface Water (A1)		Water-Staine	d Leaves (B9)		Surface Soil Cracks (B6)			
High Water Table (A2)		Aquatic Faun	a (B13)		Drainage Patterns (B10)			
Saturation (A3)		True Aquatic	Plants (B14)		Dry-Season Water Table (C2)			
Water Marks (B1)		Hydrogen Su	fide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)		Oxidized Rhi	ospheres on Living	g Roots (C	C3) Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)		Presence of I	Reduced Iron (C4)		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)		Recent Iron F	Reduction in Tilled S	Soils (C6)				
Iron Deposits (B5)		Thin Muck Su		. ,	FAC-Neutral Test (D5)			
Inundation Visible on Ae	rial Imagery (B7)				_			
Sparsely Vegetated Con	cave Surface (B8	_ •	. ,					
Field Observations:								
Surface Water Present?	Yes No	Depth (inche	es):					
Water Table Present?	Yes No	Depth (inche	s):					
Saturation Present?		Depth (inche		1	nd Hydrology Present? Yes No			
(includes capillary fringe) Describe Recorded Data (str	eam gauge, mon	toring well, aerial pho	tos, previous inspe	ctions), if	f available:			
	0	0		,,				
Remarks:								
No other indicato	rs of wetla	nd hydrology	v were obse	erved				
		ina ing alology						

Project/Site: Winnebago Solar and Storage Project	City/County: Faribault County	Sampling Date: 2021-07-15					
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesota	Sampling Point: WB-B-01-up					
Investigator(s): BJC	Section, Township, Range: T103 R27 S7						
Landform (hillslope, terrace, etc.): Upland, Flat	Local relief (concave, convex, none):	Linear					
Slope (%): 0-2 Lat: 43.7319245	Long: -94.1128717	Datum: WGS 84					
Soil Map Unit Name: Klossner MucK, lake plain, depression	Soil Map Unit Name: Klossner MucK, lake plain, depressional, 0 to 1 percent slopes NWI classification: PEM1A						
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No (If no, explain in R	emarks.)					
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances" p	present? Yes 🔽 No					
Are Vegetation, Soil, or Hydrology naturally pre-	oblematic? (If needed, explain any answe	rs in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects	, important features, etc.					

Hydrophytic Vegetation Present?	Yes	No			
Hydric Soil Present?	Yes	No 🖌	Is the Sampled Area		
Wetland Hydrology Present?	Yes	No	within a Wetland?	Yes	No
Remarks:			1		

Point located in CREP land. Area in a drought.

VEGETATION – Use scientific names of plants.

00 (i	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
				Species Across All Strata: <u>2</u> (B)
4				Percent of Dominant Species
5	·			That Are OBL, FACW, or FAC: 0 (A/B)
1E f+ -		= Total Cov	er	
Sapling/Shrub Stratum (Plot size: 15 ft r)				Prevalence Index worksheet:
1				Total % Cover of:Multiply by:
2				OBL species 0 x 1 = 0
3				FACW species 0 x 2 = 0
				FAC species 0 x 3 = 0
4				FACU species 100 $x 4 = 400$
5				
Herb Stratum (Plot size: 5 ft r)		= Total Cov	er	
Herb Stratum (Plot size: 5 Tt r) 1. Asclepias syriaca	50	~	FACU	Column Totals: 100 (A) 400 (B)
				400
2. Bromus inermis	50	<u> </u>	FACU	Prevalence Index = B/A = 4.00
3				Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9	·			
10				¹ Indicators of hydric soil and wetland hydrology must
20 ft r	100%	= Total Cov	er	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30 ft r)				
1				Hydrophytic
2				Vegetation
		= Total Cov	er	Present? Yes No
Remarks: (Include photo numbers here or on a separate s	sheet.)			
Area dominated by upland vegetati	on			

Profile Desc	ription: (Describe	to the dept	h needed to docur	nent the	indicator	or confirn	m the absence of indicators.)			
Depth	Matrix			x Feature						
(inches)	Color (moist)		Color (moist)	%	_Type ¹	Loc ²	Texture Remarks			
0 - 18	10YR 2/1	100					Loam			
<u>18 ⁻ 24</u>	10YR 5/2	100					Loam			
-										
——					·		· ·			
					·		· ·			
							·			
¹ Type: C=C	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	6=Maske	d Sand Gra	ains.	² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil	Indicators:						Indicators for Problematic Hydric Soils ³ :			
Histosol	(A1)		Sandy (Bleyed Ma	atrix (S4)		Coast Prairie Redox (A16)			
· — ·	oipedon (A2)			Redox (S5			Dark Surface (S7)			
	istic (A3)			Matrix (,		Iron-Manganese Masses (F12)			
	en Sulfide (A4)				neral (F1)		Very Shallow Dark Surface (TF12)			
	d Layers (A5) uck (A10)			d Matrix (atrix (F2)		Other (Explain in Remarks)			
	d Below Dark Surfac	e (A11)		Dark Surfa	,					
· ·	ark Surface (A12)	0 (((1))			urface (F7)		³ Indicators of hydrophytic vegetation and			
	lucky Mineral (S1)			Depressio	, ,		wetland hydrology must be present,			
5 cm Mu	ucky Peat or Peat (S	3)					unless disturbed or problematic.			
Restrictive	Layer (if observed):									
Туре:							Hydric Soil Present? Yes No			
Depth (in	ches):						Hydric Soil Present? Yes No			
Remarks:										
No indi	cators of hyd	tric soil	wara ahsar	hav						
	ators of flyt		were obser	veu						
HYDROLO	GY									
	drology Indicators:									
-	cators (minimum of c		ed: check all that ar	nlv)			Secondary Indicators (minimum of two required)			
	Water (A1)	no lo roquit	Water-Sta		(BQ)		Surface Soil Cracks (B6)			
	ater Table (A2)		Aquatic Fa		· /		Drainage Patterns (B10)			
Saturati			True Aqua				Dry-Season Water Table (C2)			
	larks (B1)		Hydrogen				Crayfish Burrows (C8)			
	nt Deposits (B2)		Oxidized F			ina Roots				
	posits (B3)		Presence				Stunted or Stressed Plants (D1)			
1	at or Crust (B4)		Recent Iro							
	posits (B5)		Thin Muck				FAC-Neutral Test (D5)			
· — ·	on Visible on Aerial	magery (B7					_			
Sparsely	Vegetated Concave	e Surface (B	8) Other (Exp	lain in Re	emarks)					
Field Obser	vations:									
Surface Wat	er Present? Y	esN	lo 🗾 Depth (in	ches):		_				
Water Table			lo 🔽 Depth (in							
Saturation P			lo 🔽 Depth (in				land Hydrology Present? Yes No			
(includes ca	oillary fringe)									
Describe Re	corded Data (stream	gauge, mor	nitoring well, aerial	photos, pr	revious ins	pections),	, if available:			
Remarks:										
No indic	ators of wet	land hv	droloav we	re obs	served					
			3, 10							

Project/Site: Winnebago Solar and Storage Project	t County Sampling Date: 2021-07-15	
Applicant/Owner: Glidepath Power Solutions, LLC		State: <u>Minnesota</u> Sampling Point: <u>WB-B-01-wet</u>
Investigator(s): BJC	Section, Township, Rar	nge: T103 R27 S7
Landform (hillslope, terrace, etc.): Slope Wetland System	Local relief	(concave, convex, none): Concave
Slope (%): 0-2 Lat: 43.7319211	Long: -94.1129385	Datum: WGS 84
Soil Map Unit Name: Klossner MucK, lake plain, depressi		
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes No	 (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significa	Intly disturbed? Are "	Normal Circumstances" present? Yes 🗾 No
Are Vegetation, Soil, or Hydrology naturally	y problematic? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ing sampling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No		_
Hydric Soil Present? Yes No		
Wetland Hydrology Present? Yes <u>V</u> No	within a Wetlan	d? Yes No
Remarks:		
Fresh wet meadow located in CREP lan	d. Area currently	in a drought.
VEGETATION – Use scientific names of plants.		
Absol		Dominance Test worksheet:
Tree Stratum (Plot size:30 ft r) % Co 1	over Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2		Total Number of Dominant
3		Species Across All Strata: 1 (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)	= Total Cover	Prevalence Index worksheet:
1.		Total % Cover of: Multiply by:
2		OBL species 0 x 1 = 0
3		FACW species 100 x 2 = 200
4		FAC species $0 \times 3 = 0$
5		FACU species $\frac{0}{2}$ x 4 = $\frac{0}{2}$
Herb Stratum (Plot size: 5 ft r)	= Total Cover	UPL species $\frac{0}{100}$ x 5 = $\frac{0}{200}$
1. Phalaris arundinacea 100	🖌 FACW	Column Totals: 100 (A) 200 (B)
2		Prevalence Index = $B/A = 2.00$
3		Hydrophytic Vegetation Indicators:
4		✓ 1 - Rapid Test for Hydrophytic Vegetation
5		✓ 2 - Dominance Test is >50%
6		✓ 3 - Prevalence Index is ≤3.0 ¹
7		 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8		Problematic Hydrophytic Vegetation ¹ (Explain)
9		_ (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
10	% = Total Cover	¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30 ft r)		be present, unless disturbed or problematic.
1		Hydrophytic
2		Vegetation Present? Yes <u>/</u> No
Remarks: (Include photo numbers here or on a separate sheet.)	= Total Cover	
Area dominated by reed canarygrass		

Profile Dese	cription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confiri	n the absence of indicators.)		
Depth	Matrix		Redo	x Feature	S				
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc ²	Texture F	Remarks	
0 - 16	10YR 2/1	100					Loam		
16-24	10YR 5/1	95	10YR 5/6	5	С	М	Loam		
·									
-									
-									
-									
	oncentration D=De	 nletion RM:		- <u> </u>	Sand Gr	aine	² Location: PL=Pore Linin	o M=Matrix	
Hydric Soil			-rteduced matrix, mo	0-Indaked		anno.	Indicators for Problemati		
Histosol			Sandy (Gleyed Ma	triv (S4)		Coast Prairie Redox (A	-	
	pipedon (A2)			Redox (S5			Dark Surface (S7)		
	istic (A3)			d Matrix (S			Iron-Manganese Mass	es (F12)	
Hydroge	en Sulfide (A4)			Mucky Mir			Very Shallow Dark Sur	face (TF12)	
Stratifie	d Layers (A5)		Loamy	Gleyed Ma	atrix (F2)		Other (Explain in Remain Content of the second seco	arks)	
	uck (A10)			d Matrix (I	,				
· ·	d Below Dark Surfac	ce (A11)		Dark Surfa			3		
	ark Surface (A12)			d Dark Su			³ Indicators of hydrophytic vegetation and		
· · ·	Sandy Mucky Mineral (S1) Redox Depressions (F8) 5 cm Mucky Peat or Peat (S3)					wetland hydrology must be present, unless disturbed or problematic.			
	Layer (if observed)								
Type:									
	ches):						Hydric Soil Present? Ye	es 🖌 No	
	ciles).								
Remarks:									
A12 obs	served								
HYDROLO	GY								
Wetland Hy	drology Indicators	:							
Primary Indi	cators (minimum of	one is requi	red; check all that ap	oply)			Secondary Indicators (m	inimum of two required)	
Surface	Water (A1)		Water-Sta	ined Leav	es (B9)		Surface Soil Cracks	(B6)	
High Wa	ater Table (A2)		Aquatic Fa	auna (B13))		Drainage Patterns (I	B10)	
Saturati	on (A3)		True Aqua	tic Plants	(B14)		Dry-Season Water 1	Гable (C2)	
Water M	larks (B1)		Hydrogen	Sulfide Od	dor (C1)		Crayfish Burrows (C	;8)	
Sedime	nt Deposits (B2)		Oxidized F	Rhizosphe	res on Liv	ing Roots	(C3) Saturation Visible or	n Aerial Imagery (C9)	
Drift De	posits (B3)		Presence	of Reduce	d Iron (C4	4)	Stunted or Stressed	Plants (D1)	
Algal Ma	at or Crust (B4)		Recent Iro	n Reducti	on in Tille	d Soils (C	6) 🖌 Geomorphic Position	n (D2)	
Iron Dep	posits (B5)		Thin Muck	Surface (C7)		FAC-Neutral Test (D))5)	
Inundati	on Visible on Aerial	Imagery (B	7) Gauge or ¹	Well Data	(D9)				
Sparsel	y Vegetated Concav	e Surface (B8) Other (Exp	olain in Re	marks)				
Field Obser									
Surface Wat			No 🔽 Depth (in	ches):		_			
Water Table	Present?	res	No 🔽 Depth (in	ches):		_			
Saturation P			No 🗹 Depth (in	ches):		_ Wet	and Hydrology Present? Ye	es 🖌 No	

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

Secondary indicators of hydrology observed

Saturation Present? (includes capillary fringe)

Remarks:

Project/Site: Winnebago Solar and Storage Project	City/County: Faribault County	Sampling Date: 2021-07-15				
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesot	ta Sampling Point: WB-B-02-up				
Investigator(s): BJC	Section, Township, Range: T103 R27 S7					
Landform (hillslope, terrace, etc.): Upland, Flat	Local relief (concave, convex, none): Linear					
Slope (%): 0-2 Lat: 43.7326812	Long: -94.1142793	Datum: WGS 84				
Soil Map Unit Name: Klossner MucK, lake plain, depressional, 0 to 1 percent slopes NWI classification: PEM1A						
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No (If no, explain in	Remarks.)				
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances	" present? Yes 🗾 No				
Are Vegetation, Soil, or Hydrology naturally pre	oblematic? (If needed, explain any answ	wers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transec	ts, important features, etc.				

Hydrophytic Vegetation Present?	Yes	No			
Hydric Soil Present?	Yes	No	Is the Sampled Area		
Wetland Hydrology Present?	Yes	No 🖌	within a Wetland?	Yes	No
Remarks:					

Point located in CREP land. Area in a drought.

VEGETATION – Use scientific names of plants.

00 (i	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
				Species Across All Strata: <u>2</u> (B)
4				Percent of Dominant Species
5	·			That Are OBL, FACW, or FAC: 0 (A/B)
1E f+ -		= Total Cov	er	
Sapling/Shrub Stratum (Plot size: 15 ft r)				Prevalence Index worksheet:
1				Total % Cover of:Multiply by:
2				OBL species 0 x 1 = 0
3				FACW species 0 x 2 = 0
				FAC species 0 x 3 = 0
4				FACU species 100 $x 4 = 400$
5				
Herb Stratum (Plot size: 5 ft r)		= Total Cov	er	
<u>Herb Stratum</u> (Plot size: <u>5 ft r</u>) 1. Asclepias syriaca	50	~	FACU	Column Totals: 100 (A) 400 (B)
				400
2. Bromus inermis	50	<u> </u>	FACU	Prevalence Index = B/A = 4.00
3				Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
7				4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9	·			
10				¹ Indicators of hydric soil and wetland hydrology must
20 ft r	100%	= Total Cov	er	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30 ft r)				
1				Hydrophytic
2				Vegetation
		= Total Cov	er	Present? Yes No
Remarks: (Include photo numbers here or on a separate s	sheet.)			
Area dominated by upland vegetati	on			

Profile Description: (Describe	to the depth ne	eded to docum	ent the indicator or o	onfirm the absence of	of indicators.)
Depth <u>Matrix</u>			Features		
(inches) Color (moist)	%C	Color (moist)	<u>%</u> <u>Type</u> ¹ <u>I</u>	oc ² Texture	Remarks
<u>0 - 14</u> <u>10YR 2/1</u>	_ <u>100</u>			Loam	
14 ⁻ 24 10YR 4/2	100			Loam	
-					
·					
-					
				21	Die Dese Liefen MeMatrix
¹ Type: C=Concentration, D=De Hydric Soil Indicators:	pletion, RIVI=Red	uced Matrix, MS	=Masked Sand Grains		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :
		Condu C	lavad Matrix (OA)		•
Histosol (A1) Histic Epipedon (A2)			eleyed Matrix (S4) edox (S5)		Prairie Redox (A16) urface (S7)
Black Histic (A3)			Matrix (S6)		anganese Masses (F12)
Hydrogen Sulfide (A4)			Nation (SO) Nucky Mineral (F1)		nallow Dark Surface (TF12)
Stratified Layers (A5)			Bleyed Matrix (F2)		Explain in Remarks)
2 cm Muck (A10)			Matrix (F3)		
Depleted Below Dark Surfa	ce (A11)	Redox D	ark Surface (F6)		
Thick Dark Surface (A12)		Depleted	Dark Surface (F7)	³ Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)		Redox D	epressions (F8)	wetland	hydrology must be present,
5 cm Mucky Peat or Peat (S	\$3)			unless	disturbed or problematic.
Restrictive Layer (if observed)):				
Туре:					
Depth (inches):				Hydric Soil I	Present? Yes No
Remarks:					
No indicators of hy	aric soli w	ere obser	ved		
HYDROLOGY					
Wetland Hydrology Indicators					
Primary Indicators (minimum of	one is required; o	check all that ap	ply)	<u>Seconda</u>	ry Indicators (minimum of two required)
Surface Water (A1)		Water-Stain	ned Leaves (B9)	Surfa	ace Soil Cracks (B6)
High Water Table (A2)		Aquatic Fa	una (B13)	Drair	nage Patterns (B10)
Saturation (A3)		True Aquat	ic Plants (B14)	Dry-\$	Season Water Table (C2)
Water Marks (B1)		Hydrogen S	Sulfide Odor (C1)	Cray	fish Burrows (C8)
Sediment Deposits (B2)		Oxidized R	hizospheres on Living	Roots (C3) Satu	ration Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Presence of	of Reduced Iron (C4)	Stuni	ted or Stressed Plants (D1)
Algal Mat or Crust (B4)		Recent Iror	n Reduction in Tilled S	oils (C6) Geor	morphic Position (D2)
Iron Deposits (B5)		Thin Muck	Surface (C7)	FAC-	-Neutral Test (D5)
Inundation Visible on Aerial	Imagery (B7)	Gauge or V	Vell Data (D9)		
Sparsely Vegetated Concav	ve Surface (B8)	Other (Exp	lain in Remarks)		
Field Observations:					
Surface Water Present?	Yes No	 Depth (inc 	hes):		
			hes):		
			hes):	Wetland Hydrology	Present? Yes No
(includes capillary fringe)		Deptil (inc		Wettand Hydrology	
Describe Recorded Data (strear	n gauge, monitor	ing well, aerial p	hotos, previous inspec	tions), if available:	
Remarks:					
No indicators of wa	tland bydy		a obcorved		
No indicators of we	uand nydr	ology wel	e observed.		

Project/Site: Winnebago Solar and Storage Project	City/County: Faribault County Sampling Date: 2021-07-15				
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesota Sampling Point: WB-B-02-we				
Investigator(s): BJC	_ Section, Township, Range: T103 R27 S7				
	Local relief (concave, convex, none): Concave				
Slope (%): 0-2 Lat: 43.7326757	_ Long:94.1142813 Datum: WGS 84				
Soil Map Unit Name: Klossner MucK, lake plain, depress	nal, 0 to 1 percent slopes NWI classification: PEM1A				
Are climatic / hydrologic conditions on the site typical for this time	year? Yes No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significa	tly disturbed? Are "Normal Circumstances" present? Yes 🗾 No				
Are Vegetation, Soil, or Hydrology naturall	problematic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map show	ng sampling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No	_				
Hydric Soil Present? Yes No					
Wetland Hydrology Present? Yes <u>V</u> No	within a Wetland? Yes No				
Remarks:					
Fresh wet meadow located in CREP lan	. Area currently in a drought.				
VEGETATION – Use scientific names of plants.					
Abso	te Dominant Indicator Dominance Test worksheet:				
Tree Stratum (Plot size:30 ft r) % Co 1	er Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)				
2	I otal number of Dominant				
3	Species Across All Strata: <u>1</u> (B)				
4	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)				
Sapling/Shrub Stratum (Plot size: 15 ft r)	= Total Cover Prevalence Index worksheet:				
1	Total % Cover of: Multiply by:				
2					
3	FACW species <u>100</u> x 2 = <u>200</u>				
4	FAC species 0 x 3 = 0				
5	FACU species 0 x 4 = 0				
5 ft r	_ = Total Cover UPL species 0 x 5 = 0				
Herb Stratum (Plot size: 5 ft r) 1 Phalaris arundinacea 100	✓ FACW Column Totals: <u>100</u> (A) <u>200</u> (B)				
2	Prevalence Index = B/A = 2.00				
3					
4	A Denid Test fee Lludeenbudie Venetation				
5					
6					
7	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
8					
10.					
	= Total Cover ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Woody Vine Stratum (Plot size: 30 ft r)					
1					
2	Present? Yes No				
Remarks: (Include photo numbers here or on a separate sheet.)	= Total Cover 100				
Area dominated by reed canarygrass					

L

Depth (inches) Matrix Color (moist) Redox Features Color (moist) Type ¹ Loc ² Texture Remarks 0 - 12 10YR 2/1 100 Loam Loam
0 - 12 10YR 2/1 100 Loam
12 · 24 10YR 5/1 95 10YR 5/6 5 C M Loam -
·
·
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Sandy Gleyed Matrix (S4) Coast Prairie Redox (A16) Histic Epipedon (A2) Sandy Redox (S5) Dark Surface (S7)
Histic Epipedon (A2) Sandy Redox (S5) Dark Surface (S7) Black Histic (A3) Stripped Matrix (S6) Iron-Manganese Masses (F12)
Black Histic (Ad) Black Histic (Ad)
2 cm Muck (A10) Depleted Matrix (F3)
Depleted Below Dark Surface (A11) Redox Dark Surface (F6)
✓ Thick Dark Surface (A12) Depleted Dark Surface (F7) ³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Redox Depressions (F8) wetland hydrology must be present,
5 cm Mucky Peat or Peat (S3) unless disturbed or problematic.
Restrictive Layer (if observed):
Type:
Depth (inches): No
Remarks:
A12 observed
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)
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)
☐ Iron Deposits (B5)
Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9)
Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)
Field Observations:

Field Observations:							
Surface Water Present?	Yes	No	~	Depth (inches):			
Water Table Present?	Yes	No	~	Depth (inches):			
Saturation Present? (includes capillary fringe)	Yes	No	~	Depth (inches):	Wetland Hydrology Present?	Yes 🗹	No
Describe Recorded Data (stre	eam gauge, n	nonito	oring v	vell, aerial photos, previous inspec	tions), if available:		
Remarks:							
Secondary indicat	ore of h	vdr		ay observed			

Secondary indicators of hydrology observed

Project/Site: Winnebago Solar and Storage Project	City/County: Faribault County	Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC	State	: Minnesota Sampling Point: WB-B-03-up
Investigator(s): BJC	Section, Township, Range: T103	R27 S7
Landform (hillslope, terrace, etc.): Upland, Flat	Local relief (concave, co	
Slope (%): 0-2 Lat: 43.7353639	Long: -94.1149737	Datum: WGS 84
Soil Map Unit Name: Klossner MucK, lake plain, depression	al, 0 to 1 percent slopes	NWI classification: PEM1A
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No (If no	, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circ	umstances" present? Yes 🗹 No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain	n any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations,	transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No 🖌			
Hydric Soil Present?	Yes	No	Is the Sampled Area		
Wetland Hydrology Present?	Yes	No 🖌	within a Wetland?	Yes	No
Remarks:			1		

Point located in CREP land. Area in a drought.

VEGETATION – Use scientific names of plants.

00 th	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: <u>30 ft r</u>)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Deminent
3				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Cov	er	Prevalence Index worksheet:
1				Total % Cover of: Multiply by:
2				OBL species $\frac{0}{2}$ x 1 = $\frac{0}{2}$
3				FACW species <u>0</u> x 2 = <u>0</u>
4				FAC species 0 x 3 = 0
5				FACU species 105 x 4 = 420
		= Total Cov	er	UPL species 0 x 5 = 0
Herb Stratum (Plot size: 5 ft r)				Column Totals: 105 (A) 420 (B)
1. Asclepias syriaca	50	~	FACU	
2. Bromus inermis	50	~	FACU	Prevalence Index = B/A = 4.00
3. Cirsium arvense	5		FACU	Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5.				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptations ¹ (Provide supporting
7				data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9				
10	4050/			¹ Indicators of hydric soil and wetland hydrology must
We have a second s	105%	= Total Cov	er	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: <u>30 ft r</u>)				
1				Hydrophytic
2				Vegetation Present? Yes No
		= Total Cov	er	
Remarks: (Include photo numbers here or on a separate s	heet.)			
Area dominated by upland vegetati	on			

Profile Desc	ription: (Describe	to the dept	h needed to docur	nent the	indicator	or confirn	m the absence of indicators.)
Depth	Matrix		Redo	x Feature	es		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0 - 14	10YR 2/1	100					Loam
14 ⁻ 24	10YR 4/2	100					Loam
-							
							·
							·
							· ·
							·
¹ Type: C=C	oncentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Maske	d Sand Gra	ains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy (Gleyed Ma	atrix (S4)		Coast Prairie Redox (A16)
Histic Ep	oipedon (A2)		Sandy F	Redox (S	ō)		Dark Surface (S7)
	istic (A3)			d Matrix (,		Iron-Manganese Masses (F12)
	en Sulfide (A4)				neral (F1)		Very Shallow Dark Surface (TF12)
	d Layers (A5)			-	atrix (F2)		Other (Explain in Remarks)
	uck (A10) d Balaw Dark Surfae	~ (^11)		d Matrix (
· ·	d Below Dark Surfac ark Surface (A12)	e (A11)		Dark Surfa d Dark Si	ace (F6) urface (F7)		³ Indicators of hydrophytic vegetation and
	Aucky Mineral (S1)			Depressio			wetland hydrology must be present,
· — ·	ucky Peat or Peat (S	3)		500100000	,no (r o)		unless disturbed or problematic.
	Layer (if observed)	-					
Туре:							
Depth (in	ches):						Hydric Soil Present? Yes No
Remarks:	,						
No indio	cators of hyd	dric soil	were obsei	rved			
	GY						
Wetland Hy	drology Indicators:						
-	cators (minimum of c		ed: check all that an	(vla			Secondary Indicators (minimum of two required
	Water (A1)	ine to require	Water-Sta		(B9)		Surface Soil Cracks (B6)
	ater Table (A2)		Aquatic Fa		· /		Drainage Patterns (B10)
Saturati			True Aqua				Drv-Season Water Table (C2)
	larks (B1)		Hydrogen				Crayfish Burrows (C8)
	nt Deposits (B2)		Oxidized F			ing Roots	
	posits (B3)		Presence				Stunted or Stressed Plants (D1)
1	at or Crust (B4)		Recent Irc			,	
×	posits (B5)		Thin Muck				FAC-Neutral Test (D5)
· — ·	on Visible on Aerial	magery (B7					
	Vegetated Concav				. ,		
Field Obser							
Surface Wat			lo 🔽 Depth (in	ches).			
			lo Depth (in				
Water Table							
Saturation P (includes car	resent? r oillary fringe)	es N	lo 🔽 Depth (in	cnes):			land Hydrology Present? Yes No
	corded Data (stream	gauge, mor	nitoring well, aerial	photos, p	revious ins	pections),	, if available:
Remarks:							
No indic	ators of wet	land hy	drology we	re ob	served		
		and ny	arology we			•	
Project/Site: Winnebago Solar and Storage Project	City/County: Faribault County Sampling Date: 2021-07-15						
--	---						
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesota Sampling Point: WB-B-03-wet						
Investigator(s): BJC	Section, Township, Range: T103 R27 S7						
	Local relief (concave, convex, none): Concave						
Slope (%): 0-2 Lat: 43.7353161	Long:94.1150175 Datum: WGS 84						
Soil Map Unit Name: Klossner MucK, lake plain, depres	onal, 0 to 1 percent slopes NWI classification: PEM1A						
Are climatic / hydrologic conditions on the site typical for this time	f year? Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology signifi	ntly disturbed? Are "Normal Circumstances" present? Yes 🗾 No						
Are Vegetation, Soil, or Hydrology natura	problematic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map sho	ing sampling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No	_						
Hydric Soil Present? Yes No							
Wetland Hydrology Present? Yes <u>Ves</u> No	within a Wetland? Yes No						
Remarks:							
Fresh wet meadow located in CREP la	d. Area currently in a drought.						
VEGETATION – Use scientific names of plants.							
Abs	ute Dominant Indicator Dominance Test worksheet:						
Tree Stratum (Plot size: 30 ft r) % (0 1.	ver Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 1(A)						
2	I otal Number of Dominant						
3	Species Across All Strata: (B)						
4 5	Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)						
Sapling/Shrub Stratum (Plot size: 15 ft r)	= Total Cover Prevalence Index worksheet:						
1	Total % Cover of: Multiply by:						
2							
3	FACW species 100 x 2 = 200						
4	FAC species 0 x 3 = 0						
5	FACU species 0 x 4 = 0						
	= Total Cover UPL species 0 x 5 = 0						
Herb Stratum (Plot size: 5 ft r) 1 Phalaris arundinacea 10	✓ FACW Column Totals: <u>100</u> (A) <u>200</u> (B)						
2	Prevalence Index = B/A = 2.00						
3							
4	A Denid Test fee Lludeenbudie Venetation						
5							
6							
7	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a senarate sheet)						
8							
10.							
	% = Total Cover 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.						
Woody Vine Stratum (Plot size: 30 ft r)							
1							
2	Present? Yes No						
Remarks: (Include photo numbers here or on a separate sheet	= Total Cover 10000000						
Area dominated by reed canarygrass							

Profile Desc	ription: (Describe	o the depth	needed to docun	nent the i	ndicator	or confirm	n the absence	e of indicators.)
Depth	Matrix		Redo	x Features	6			
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	_Loc ²	Texture	Remarks
0 - 12	10YR 2/1	100					Loam	
12-24	10YR 5/1	95 1	10YR 5/6	5	С	М	Loam	
				<u> </u>				
-								
17.00							21	
Hydric Soil	oncentration, D=Depl	etion, RM=R	Reduced Matrix, Ma	S=Masked	Sand Gr	ains.		n: PL=Pore Lining, M=Matrix. s for Problematic Hydric Soils ³ :
			0 to - C					-
Histosol	(A1) pipedon (A2)			Bleyed Ma Redox (S5)				t Prairie Redox (A16) Surface (S7)
· — ·	stic (A3)			Matrix (S				Aanganese Masses (F12)
	en Sulfide (A4)			Mucky Min				Shallow Dark Surface (TF12)
	d Layers (A5)			Gleyed Ma				(Explain in Remarks)
1	ick (A10)			d Matrix (F				
Depleted	d Below Dark Surface	e (A11)	Redox [Dark Surfa	ce (F6)			
Left Thick Da	ark Surface (A12)		Deplete	d Dark Su	rface (F7))	³ Indicator	s of hydrophytic vegetation and
	lucky Mineral (S1)		Redox [Depressior	ns (F8)			nd hydrology must be present,
	icky Peat or Peat (S3)					unles	s disturbed or problematic.
Restrictive	Layer (if observed):							
Type:							Hydric Soi	Present? Yes No
Depth (in	ches):						Hydric 30	
Remarks:								
A12 obs	sorved							
	serveu							
HYDROLO	GY							
	drology Indicators:							
-	cators (minimum of o	ne is require	d: check all that an	nlv)			Second	ary Indicators (minimum of two required)
	Water (A1)	ie is require	Water-Stai		(BQ)			face Soil Cracks (B6)
	ater Table (A2)		Aquatic Fa		· ·			ainage Patterns (B10)
Saturatio	. ,		True Aqua	, ,				-Season Water Table (C2)
1—	()							ayfish Burrows (C8)
	larks (B1)		Hydrogen Oxidized R			ing Booto		turation Visible on Aerial Imagery (C9)
	nt Deposits (B2) posits (B3)		Presence of			•		inted or Stressed Plants (D1)
· · ·	at or Crust (B4)		Recent Iro					omorphic Position (D2)
	oosits (B5)							C-Neutral Test (D5)
· · ·	on Visible on Aerial I		Thin Muck Gauge or \	,	,			
	Vegetated Concave	••••						
Field Obser	÷			an n Ke	nansj			
i i ieiu obser	vauolis.							

Project/Site: Winnebago Solar and Storage Project	City/County: Faribault County	Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minneso	ta Sampling Point: WB-B-04-up
Investigator(s): BJC	Section, Township, Range: T103 R27 S7	
Landform (hillslope, terrace, etc.): Upland, Flat	Local relief (concave, convex, non	_{e):} Linear
Slope (%): 0-2 Lat: 43.7367807	Long: -94.1167318	Datum: WGS 84
Soil Map Unit Name: Klossner MucK, lake plain, depression	al, 0 to 1 percent slopes NWI class	ification: PEM1A
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No 🗹 (If no, explain ir	n Remarks.)
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances	s" present? Yes 🗾 No
Are Vegetation, Soil, or Hydrology naturally pre-	oblematic? (If needed, explain any ans	wers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transed	ts, important features, etc.

Hydrophytic Vegetation Present?	Yes	No 🖌			
Hydric Soil Present?	Yes	No	Is the Sampled Area		
Wetland Hydrology Present?	Yes	No 🖌	within a Wetland?	Yes	No
Remarks:					

Point located in CREP land. Area in a drought.

VEGETATION – Use scientific names of plants.

20 ()	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				
				Total Number of Dominant Species Across All Strata: (B)
3				Species Across All Strata: <u>1</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0 (A/B)
15 4 -		= Total Cov	er	
Sapling/Shrub Stratum (Plot size: 15 ft r)				Prevalence Index worksheet:
1				Total % Cover of:Multiply by:
2				OBL species 0 x 1 = 0
3				FACW species 0 x 2 = 0
				FAC species 0 x 3 = 0
4				FACU species $100 \times 4 = 400$
5				
Hash Obstance (Distained 5 ft r		= Total Cov	er	UPL species $\frac{0}{100}$ x 5 = $\frac{0}{100}$
<u>Herb Stratum</u> (Plot size: <u>5 ft r</u>) <u>1.</u> Bromus inermis	80	~	FACU	Column Totals: 100 (A) 400 (B)
				4.00
2. Asclepias syriaca	15		FACU	Prevalence Index = B/A = 4.00
3. Cirsium arvense	5		FACU	Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5.				2 - Dominance Test is >50%
6				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptations ¹ (Provide supporting
7				data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
9				
10				Indiantee of hadring all and wellen dibude to many t
	100%	= Total Cov	er	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30 ft r)				
1				Hydrophytic
2				Vegetation
		= Total Cov		Present? Yes No V
Remarks: (Include photo numbers here or on a separate s				1
Area dominated by upland vegetati	on			

Profile Description: (Describe to the depth r	needed to document the indicator or c	onfirm the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist)%Type ¹ L	oc ² Texture Remarks
<u>0 - 12</u> <u>10YR 2/1</u> <u>100</u>		Loam
12 ⁻ 24 10YR 4/2 100		Loam
·		
-		
¹ Type: C=Concentration, D=Depletion, RM=Re	duced Matrix. MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
2 cm Muck (A10)	Depleted Matrix (F3)	
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)	31
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) 5 cm Mucky Peat or Peat (S3)	Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if observed):		
Type:		
Depth (inches):	-	Hydric Soil Present? Yes No
Remarks:	_	
No indicators of hydric soil v	vere observed	
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)
Vale Mars (B1) Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	
Iron Deposits (B5)		FAC-Neutral Test (D5)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7) Gauge or Well Data (D9)	PAC-Neutral Test (D5)
Sparsely Vegetated Concave Surface (B8)		
	Other (Explain in Remarks)	
Field Observations:		
	Depth (inches):	
	Depth (inches):	
(includes capillary fringe)	Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monito	oring well, aerial photos, previous inspect	tions), if available:
Remarks:		
No indicators of wetland hyd	rology were observed.	

Project/Site: Winnebago Solar and Storage Project	City/County: Faribault County Sampling Date: 2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesota Sampling Point: WB-B-04-wet
Investigator(s): BJC	Section, Township, Range: T103 R27 S7
	Local relief (concave, convex, none): Concave
Slope (%): 0-2 Lat: 43.3616638	Long: -93.5623168 Datum: WGS 84
Soil Map Unit Name: Klossner MucK, lake plain, depre	ssional, 0 to 1 percent slopes NWI classification: PEM1A
Are climatic / hydrologic conditions on the site typical for this tin	ne of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signi	ficantly disturbed? Are "Normal Circumstances" present? Yes 🔽 No
Are Vegetation, Soil, or Hydrology natu	rally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sho	owing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes Ves No	
Wetland Hydrology Present? Yes <u>V</u> No _	within a Wetland? Yes <u>Ves</u> No
Remarks:	
Fresh wet meadow located in CREP la	and. Area currently in a drought.
VEGETATION – Use scientific names of plants.	
A	osolute Dominant Indicator Dominance Test worksheet:
Tree Stratum (Plot size:30 ft r) % 1	Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 1(A)
2	I otal number of Dominant
3	Species Across All Strata: <u>1</u> (B)
4	Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)	= Total Cover Prevalence Index worksheet:
1	Total % Cover of: Multiply by:
2	
3	FACW species 100 x 2 = 200
4	
5	FACU species 0 x 4 = 0
Hat Obstance (Distained 5 ft r	= Total Cover UPL species 0 x 5 = 0
Herb Stratum (Plot size: 5 ft r)	00 v FACW Column Totals: <u>100</u> (A) <u>200</u> (B)
2	Prevalence Index = B/A = 2.00
3	
4	1 Denid Test for Lluden but a Venetation
5	D. Deminenter Testie 5 50%
6	
7	4 - Morphological Adaptations ¹ (Provide supporting
8	
10.	
	00% = Total Cover ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 30 ft r)	
1	
2	Present? Yes No
	= Total Cover
Area dominated by reed canarygrass	,

Profile Desc	cription: (Describe	to the dept	th needed to docun	nent the i	ndicator	or confirn	n the absence of indi	cators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks
0 - 10	10YR 2/1	100					Loam	
10 - 24	10YR 5/1	95	10YR 5/8	5	С	М	Loam	
-	.		·					
-								
¹ Type: C=C	oncentration. D=Der	letion. RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil			,					blematic Hydric Soils ³ :
Histosol	(A1)		Sandy G	Gleyed Ma	atrix (S4)		Coast Prairie F	Redox (A16)
I —	oipedon (A2)			Redox (S5			Dark Surface (· · ·
Black Hi	istic (A3)		Stripped	Matrix (S	66)		Iron-Mangane	se Masses (F12)
· ·	en Sulfide (A4)			Mucky Mir				Dark Surface (TF12)
	d Layers (A5)			Gleyed Ma			Other (Explain	in Remarks)
	uck (A10)	(() ()		d Matrix (I				
	d Below Dark Surfac ark Surface (A12)	æ (A11)		Dark Surfa	ice (F6) irface (F7)		³ Indicators of hydr	ophytic vegetation and
	lucky Mineral (S1)			Depression				ogy must be present,
· — ·	ucky Peat or Peat (S	3)					-	ed or problematic.
	Layer (if observed)							
Type:								
Depth (in	ches):						Hydric Soil Presen	t? Yes 🖍 No
Remarks:								
A 44 - 1-								
A11 obs	ervea							
HYDROLO	GY							
	drology Indicators	:						
-			ed; check all that ap	vla			Secondary Indic	ators (minimum of two required)
	Water (A1)	ine to requir	Water-Stai		es (B9)			I Cracks (B6)
	ater Table (A2)		Aquatic Fa		, ,			atterns (B10)
Saturatio	, ,		True Aqua	•	,		_ •	Water Table (C2)
1—	larks (B1)		Hydrogen		· ,		Crayfish Bu	()
	nt Deposits (B2)		Oxidized R		• •	ina Roots		/isible on Aerial Imagery (C9)
	posits (B3)		Presence			-		Stressed Plants (D1)
	at or Crust (B4)		Recent Iro			,		
	posits (B5)		Thin Muck				FAC-Neutra	
· - ·	on Visible on Aerial	Imagery (B7						. ,
I —	Vegetated Concav		· _ •		. ,			
Field Obser	-							
Surface Wat	er Present?	′es N	No 🔽 Depth (ind	ches):		_		
Water Table			No 🔽 Depth (ind					
Saturation P			No Depth (ind				and Hydrology Prese	nt? Yes 🖌 No
(includes ca	oillary fringe)							
Describe Re	corded Data (strean	n gauge, mo	nitoring well, aerial p	photos, pr	evious ins	pections),	if available:	

Remarks:

Secondary indicators of hydrology observed

Project/Site: Winnebago Solar and Storage Project	C	ity/County:	Faribaul	t County	_ Sampling Date:	2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesot	a Sampling Point:	WB-B-05-up
Investigator(s): BJC	S	ection, Tov	wnship, Rar	nge: T103 R27 S18		
				concave, convex, none		
Slope (%): 0-2 Lat: 43.7314832	Lo	ong: <u>-94.</u>	1142880		_ Datum: WGS 8	34
Soil Map Unit Name: Klossner MucK, lake plain, depre	essional,	, 0 to 1 p	ercent sl	opes NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical for this ti	ime of year	? Yes	No	 (If no, explain in 	Remarks.)	
Are Vegetation, Soil, or Hydrology sign	nificantly di	isturbed?	Are "I	Normal Circumstances'	present? Yes	No
Are Vegetation, Soil, or Hydrology national statements and the second statement of t	urally prob	lematic?	(If ne	eded, explain any answ	vers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map sh	nowing	sampling	g point lo	ocations, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes No _	~					
Hydric Soil Present? Yes No _			e Sampled			
Wetland Hydrology Present? Yes <u>No</u>	<u> </u>	with	n a Wetlan	d? Yes	No	
Remarks: Non wetland point located in suspect area that w	vac data	minod t	a ha unla	nd in the field Are	a is a saybaan f	iold
	as uelei	mineu to	o be upia	nu în the held. Ale	a is a suybeall i	
VEGETATION – Use scientific names of plants.						
A		Dominant		Dominance Test wo	rksheet:	
Tree Stratum (Plot size:30 ft r) 9 1	<u>% Cover</u>			Number of Dominant That Are OBL, FACW	Species /, or FAC: 0	(A)
2				Total Number of Dom		
3				Species Across All St	rata: <u>1</u>	(B)
4				Percent of Dominant That Are OBL, FACW		(A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)	=	Total Cov	er	Prevalence Index wo	orksheet:	
1				Total % Cover of	: Multipl	y by:
2				OBL species 0	x 1 = 0	
3				FACW species 0		
4				FAC species 0	x 3 =	
5				FACU species 0		
Use Obstance (Distring 5 ft r	=	Total Cov	er		x 5 = 0	
Herb Stratum (Plot size: 5 ft r)	100	~	NI	Column Totals: 0	(A) <u>0</u>	(B)
2				Prevalence Inde	ex = B/A = NaN	
3				Hydrophytic Vegeta	tion Indicators:	
4				1 - Rapid Test for	Hydrophytic Veget	ation
5				2 - Dominance Te	est is >50%	
6				3 - Prevalence In	dex is ≤3.0 ¹	
7				4 - Morphological	I Adaptations ¹ (Prov rks or on a separate	vide supporting
8				Problematic Hydr		· ·
9					ophylic vegetation	
10				¹ Indicators of hydric s	oil and wetland hvd	rology must
Woody Vine Stratum (Plot size: 30 ft r)	100% =	Total Cov	er	be present, unless dis		
1				Hydrophytic		
2				Vegetation		~
		Total Cov	er	Present? Y	/es No	
Remarks: (Include photo numbers here or on a separate she	eet.)					
Area dominated by healthy soy crop						

Profile Description: (Describe to the depth n	eeded to document the indicator or c	confirm the absence of indicators.)	
Depth Matrix	Redox Features		
(inches) Color (moist) %	<u>Color (moist)%Type¹ _ L</u>	<u>_oc² Texture Remarks</u>	
0 - 24 10YR 2/1		Clay Loam	
-			
			—
-			
			—
¹ Type: C=Concentration, D=Depletion, RM=Re	duced Matrix, MS=Masked Sand Grains		
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :	
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)	
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)	
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)	
Hydrogen Sulfide (A4) Stratified Layers (A5)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)	
2 cm Muck (A10)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Other (Explain in Remarks)	
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)		
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and	
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,	
5 cm Mucky Peat or Peat (S3)	,	unless disturbed or problematic.	
Restrictive Layer (if observed):			
Туре:	_		,
Depth (inches):		Hydric Soil Present? Yes No	
Remarks:			
HYDROLOGY			
Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required;	check all that apply)	Secondary Indicators (minimum of two required in the second secon	red)
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	3)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	oils (C6) Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)	
Inundation Visible on Aerial Imagery (B7)	Gauge or Well Data (D9)		
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)		
Field Observations:	.1		
	Depth (inches):		
Water Table Present? Yes No	Depth (inches):		
	Depth (inches):	Wetland Hydrology Present? Yes No	<u>~</u>
(includes capillary fringe) Describe Recorded Data (stream gauge, monito	pring well, aerial photos, previous inspec	L ctions), if available:	
(Jange, monte	a mana ana ana ana ana ana ana ana ana a		
Remarks:			
No indicators of wetland hyd	rology were observed		

Project/Site: Winnebago Solar and Storage Project	t (City/County	y: Faribaul	t County	_ Sampling Date: _	2021-07-15
Applicant/Owner: Glidepath Power Solutions, LLC				State: Minnesota	Sampling Point:	WB-B-05-wet
Investigator(s): BJC	:	Section, To	ownship, Rar	nge: T103 R27 S18		
Landform (hillslope, terrace, etc.): Depression				concave, convex, none): Concave	
Slope (%): 0-2 Lat: 43.7314803		Long:94	1.1142819		_ Datum: WGS 8	4
Soil Map Unit Name: Klossner MucK, lake plain, dep	pressiona	l, 0 to 1	percent sl	opes NWI classif	ication:	
Are climatic / hydrologic conditions on the site typical for this	time of yea	ar? Yes _	No	 (If no, explain in) 	Remarks.)	
Are Vegetation, Soil, or Hydrology si	gnificantly	disturbed?	Are "	Normal Circumstances"	present? Yes	No
Are Vegetation, Soil, or Hydrology na	aturally pro	blematic?	(lf ne	eded, explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map s	showing	samplir	ng point k	ocations, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes No			he Sampled			
Wetland Hydrology Present? Yes <u>V</u> No	>	with	hin a Wetlan	id? Yes	No	-
Remarks:						
Fresh wet meadow located in a road	dside c	litch. A	rea cur	rently in a dro	ught.	
VEGETATION – Use scientific names of plants.						
· · ·	Absolute	Dominan	t Indicator	Dominance Test wor	ksheet:	
<u>Tree Stratum</u> (Plot size: <u>30 ft r</u>) 1	% Cover	Species?	Status	Number of Dominant S That Are OBL, FACW		(A)
2				Total Number of Domi	inant	
3			·	Species Across All Str	4	(B)
4 5			·	Percent of Dominant S That Are OBL, FACW		(A/B)
Sapling/Shrub Stratum (Plot size: 15 ft r)		= Total Co	ver	Prevalence Index wo	orksheet.	
Statum (Flot size.) 1.)				Total % Cover of:		v by:
2			·	OBL species 0	$x_{1} = 0$	
3.				FACW species 100)
4					x 3 = 0	
5				FACU species 0	× 4 =	
		= Total Co	ver	UPL species 0	x 5 = <u>0</u>	
Herb Stratum (Plot size: 5 ft r) 1. Phalaris arundinacea	100	~	FACW	Column Totals: 100	(A) <u>200</u>) (B)
2				Prevalence Inde	= B/A = 2.00	
3				Hydrophytic Vegetat	ion Indicators:	
4				🖌 1 - Rapid Test for	Hydrophytic Veget	ation
5				🖌 2 - Dominance Te	est is >50%	
6				🖌 3 - Prevalence Ind	dex is ≤3.0 ¹	
7				4 - Morphological data in Remar	Adaptations ¹ (Provi ks or on a separate	ide supporting sheet)
8			·	Problematic Hydro		· ·
9			·			
10	100%	= Total Co		¹ Indicators of hydric so		
Woody Vine Stratum (Plot size: 30 ft r)		- 10(a) 00	vei	be present, unless dis	turbed or problema	tic.
1				Hydrophytic		
2				Vegetation Present? Y	es No	
		= Total Co	ver	Fresent? 1	es No	
Remarks: (Include photo numbers here or on a separate s Area dominated by reed canarygras	,					

(inches) Color (moist) %	<u>Redox Features</u> Color (moist) % Type ¹ Loc ²	Texture Remarks
<u> </u>	/	
-		
<u> </u>		
pe: C=Concentration, D=Depletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
Iric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	 Other (Explain in Remarks)
2 cm Muck (A10) Depleted Below Dark Surface (A11)	Depleted Matrix (F3) Redox Dark Surface (F6)	
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,
5 cm Mucky Peat or Peat (S3)		unless disturbed or problematic.
strictive Layer (if observed):		
Туре:		
Depth (inches):		Hydric Soil Present? Yes No
marks:		
oils not sampled due to th	e potential for underground ut trophytic vegetation and geon	-
oils not sampled due to th ased on dominance of hyd DROLOGY		-
oils not sampled due to th ased on dominance of hyd DROLOGY		-
oils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators:	drophytic vegetation and geon	nOrphic position.
oils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators:	drophytic vegetation and geon	nOrphic position.
Dils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is require	drophytic vegetation and geon	nOrphic position.
oils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is require _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3)	d: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14)	Drainage Patterns (B10) Dry-Season Water Table (C2)
oils not sampled due to th ased on dominance of hyc DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is require _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1)	d: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1)	Secondary Indicators (minimum of two required in the secondary Indicators (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
oils not sampled due to the ased on dominance of hyd DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is require _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2)	d: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (0	
oils not sampled due to th ased on dominance of hyc DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one is require _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3)	d: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C Presence of Reduced Iron (C4)	Secondary Indicators (minimum of two required in the secondary Indicators (minimum of two required in the secondary Indicators (B6) Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
oils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one is require _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) _ Algal Mat or Crust (B4)	d: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Secondary Indicators (minimum of two requi Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) C3) Saturation Visible on Aerial Imagery (C3) Stunted or Stressed Plants (D1) ✓ Geomorphic Position (D2)
Soils not sampled due to the based on dominance of hyde ADROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one is require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	d: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7)	Secondary Indicators (minimum of two requession) Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) C3) Saturation Visible on Aerial Imagery (C4) Stunted or Stressed Plants (D1)

	••••	•				
Sparsely Vegetated Con-	cave Surface (B8)	Other (Explain in Remarks)				
Field Observations:						
Surface Water Present?	Yes No	_ Depth (inches):				
Water Table Present?	Yes No 🗾	_ Depth (inches):				
Saturation Present? (includes capillary fringe)	Yes No _	_ Depth (inches):	Wetland Hydrology Present?	Yes 🔽	No	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
Secondary indicators of hydrology observed						

Project/Site: Winnebago Solar and Storage Project			_ City/County: Faribault County Sampling Date: 2021-07-15			
Applicant/Owner: Glidepath Power Solutions, LLC			State: Minnesota Sampling Point: WB-B-6-up			
R IO			Section, Township, Range:			
			Local relief (concave, convex, none): Concave			
			4.1451318	Datum: WGS 84		
Soil Map Unit Name:				NWI classification:		
Are climatic / hydrologic conditions on the site typical for this						
Are Vegetation, Soil, or Hydrologys	ignificantly	disturbed	? Are "	'Normal Circumstances" present? Yes 🗾 No		
Are Vegetation, Soil, or Hydrology n	aturally pr	oblematic?		eeded, explain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map	showing	g sampli	ng point l	ocations, transects, important features, etc.		
Hydrophytic Vegetation Present? Yes No	₀_⊻_					
Hydric Soil Present? Yes No	₀_ ∕		the Sampled			
Wetland Hydrology Present? Yes No	• <u> </u>	wi	thin a Wetlar	nd? Yes <u>No</u>		
Remarks:				und in the field. Anne is a south southing		
Non wetland point located in suspect area that	was det	ermined	to be upla	ind in the field. Area is a soybean field.		
VEGETATION – Use scientific names of plants.						
	Absolute	Domina	nt Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30 ft r)			? Status	Number of Dominant Species		
1				That Are OBL, FACW, or FAC: 0 (A)		
2				Total Number of Dominant		
3				Species Across All Strata: 1 (B)		
4				Percent of Dominant Species		
5		_ = Total C		That Are OBL, FACW, or FAC: 0 (A/B)		
Sapling/Shrub Stratum (Plot size: 15 ft r)		10(a) C	000	Prevalence Index worksheet:		
1				Total % Cover of:Multiply by:		
2				OBL species 0 x 1 = 0		
3				FACW species <u>0</u> x 2 = <u>0</u>		
4				FAC species $0 \times 3 = 0$		
5				FACU species $\frac{0}{2}$ x 4 = $\frac{0}{2}$		
Herb Stratum (Plot size: 5 ft r)		_ = Total C	over	UPL species $\frac{0}{0}$ x 5 = $\frac{0}{0}$		
1. Glycine max	100	~	NI	Column Totals: <u>0</u> (A) <u>0</u> (B)		
2				Prevalence Index = $B/A = 0.0$		
3				Hydrophytic Vegetation Indicators:		
4				1 - Rapid Test for Hydrophytic Vegetation		
5				2 - Dominance Test is >50%		
6				3 - Prevalence Index is ≤3.0 ¹		
7				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
8				Problematic Hydrophytic Vegetation ¹ (Explain)		
9						
10	4000/			¹ Indicators of hydric soil and wetland hydrology must		
Woody Vine Stratum (Plot size: _30 ft r)	100%	_ = Total C	over	be present, unless disturbed or problematic.		
1)				Header a beat a		
2				Hydrophytic Vegetation		
		= Total C	over	Present? Yes No V		
Remarks: (Include photo numbers here or on a separate s	sheet.)			<u> </u>		
Area dominated by healthy soy cro	n					
	r					

Profile Description: (Describe to the	depth needed to document the indicator or o	confirm the absence of indicators.)			
Depth Matrix	Redox Features				
(inches) Color (moist) %		Loc ² Texture Remarks			
)	Clay Loam			
24 - 28 10YR 4/1 100)	Clay			
-					
	RM=Reduced Matrix, MS=Masked Sand Grains				
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :			
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)			
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)			
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)			
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)			
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)			
2 cm Muck (A10)	Depleted Matrix (F3)				
Depleted Below Dark Surface (A11	<u> </u>				
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and			
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,			
5 cm Mucky Peat or Peat (S3)		unless disturbed or problematic.			
Restrictive Layer (if observed):					
Туре:					
Depth (inches):		Hydric Soil Present? Yes No			
Remarks:					
No indicators of hydric	soil were observed				
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of one is r	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				
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So				
Iron Deposits (B5) Thin Muck Surface (C7)		FAC-Neutral Test (D5)			
Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surfa					
Field Observations:					
	No Depth (inches):				
	No Depth (inches):				
	No Depth (inches):	Wetland Hydrology Present? Yes No			
Saturation Present? Yes (includes capillary fringe)		Wetland Hydrology Present? Yes No			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Demoder					
Remarks:		_			
No other indicators of wetland hydrology were observed					

Project/Site: Winnebago Solar and Storage Project	City/County: Faribault County Sampling Date: 2021-07-15			
Applicant/Owner: Glidepath Power Solutions, LLC	State: Minnesota Sampling Point: WB-B-06-wet			
Investigator(s): BJC	Section, Township, Range: T103 R28 S12			
	Local relief (concave, convex, none): Concave			
Slope (%): 0-2 Lat: 43.7458466	Long: -94.1451229 Datum: WGS 84			
Soil Map Unit Name: Marna silty clay loam, 0 to 2 perc	rcent slopes NWI classification:			
Are climatic / hydrologic conditions on the site typical for this tin	ime of year? Yes No (If no, explain in Remarks.)			
Are Vegetation, Soil, or Hydrology signi	nificantly disturbed? Are "Normal Circumstances" present? Yes 🗾 No			
Are Vegetation, Soil, or Hydrology natu	urally problematic? (If needed, explain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach site map sho	nowing sampling point locations, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes No				
Hydric Soil Present? Yes No				
Wetland Hydrology Present? Yes <u>V</u> No	within a Wetland? Yes <u>Ves</u> No			
Remarks:				
Fresh wet meadow located in a roads	side ditch. Area currently in a drought.			
VEGETATION – Use scientific names of plants.				
A	Absolute Dominant Indicator Dominance Test worksheet:			
Tree Stratum (Plot size: 30 ft r) % 1.	<u>% Cover</u> Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 1(A)			
2	Total Number of Dominant			
3	Species Across All Strata: <u>1</u> (B)			
4	Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B) 100 (A/B)			
Sapling/Shrub Stratum (Plot size: 15 ft r)	= Total Cover Prevalence Index worksheet:			
1				
2				
3	FACW species 100 x 2 = 200			
4				
5	FACU species 0 x 4 = 0			
High Obstance (Distribution 5 ft r	= Total Cover UPL species 0 x 5 = 0			
Herb Stratum (Plot size: 5 ft r)	100 v FACW Column Totals: <u>100</u> (A) <u>200</u> (B)			
2	Prevalence Index = B/A = 2.00			
3				
4				
5				
6				
7	4 - Morphological Adaptations ¹ (Provide supporting			
8 9				
9				
1	100% = Total Cover ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
Woody Vine Stratum (Plot size: 30 ft r)				
1				
2	Present? Yes No			
Remarks: (Include photo numbers here or on a separate shee				
Area dominated by reed canarygrass	,			

(inches) Color (moist) %	<u>Redox Features</u> Color (moist) % Type ¹ Loc ²	Texture Remarks
<u> </u>		
		· ·
-		
		·
<u> </u>		·
<u> </u>		
pe: C=Concentration, D=Depletion, RM=	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
dric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Gleyed Matrix (S4)	Coast Prairie Redox (A16)
Histic Epipedon (A2)	Sandy Redox (S5)	Dark Surface (S7)
Black Histic (A3)	Stripped Matrix (S6)	Iron-Manganese Masses (F12)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Very Shallow Dark Surface (TF12)
Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	 Other (Explain in Remarks)
2 cm Muck (A10)	Depleted Matrix (F3)	
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)	3
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	wetland hydrology must be present,
5 cm Mucky Peat or Peat (S3) strictive Layer (if observed):		unless disturbed or problematic.
2		
Type:		Hydric Soil Present? Yes No
Depth (inches):		
emarks: oils not sampled due to th	e potential for underground drophytic vegetation and geo	utilities. Soils assumed hydric omOrphic position.
marks: oils not sampled due to th ased on dominance of hyd DROLOGY		•
marks: oils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators:	drophytic vegetation and geo	omOrphic position.
marks: Dils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is require	drophytic vegetation and geo	omOrphic position.
marks: Dils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is require _ Surface Water (A1)	drophytic vegetation and geo	Surface Soil Cracks (B6)
marks: Dils not sampled due to th ased on dominance of hyd DROLOGY Hand Hydrology Indicators: mary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2)	drophytic vegetation and geo ad: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13)	Secondary Indicators (minimum of two required in the secondary Indicators (B6) Drainage Patterns (B10)
marks: Dils not sampled due to the ased on dominance of hyde DROLOGY Author Hydrology Indicators: mary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3)	drophytic vegetation and geo ad: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14)	Secondary Indicators (minimum of two required in the secondary Indicators (B6) Drainage Patterns (B10) Dry-Season Water Table (C2)
marks: Dils not sampled due to the ased on dominance of hyde DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	drophytic vegetation and geo ed: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1)	Secondary Indicators (minimum of two requi Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
marks: oils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	drophytic vegetation and geo ed: check all that apply)	Secondary Indicators (minimum of two requi Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sturation Visible on Aerial Imagery (C3)
emarks: oils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one is require _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3)	Adi check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots Presence of Reduced Iron (C4)	Secondary Indicators (minimum of two required in the secondary Indicators (minimum of two required in the secondary Indicators (B6) Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
emarks: oils not sampled due to th ased on dominance of hyd DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one is required _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) _ Algal Mat or Crust (B4)	drophytic vegetation and geo ed: check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C	Secondary Indicators (minimum of two requi Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (CS Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Soils not sampled due to the based on dominance of hydrogen and the based on the ba	drophytic vegetation and geo ed: check all that apply) — Water-Stained Leaves (B9) — Aquatic Fauna (B13) — True Aquatic Plants (B14) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres on Living Roots — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C — Thin Muck Surface (C7)	Secondary Indicators (minimum of two required in the secondary Indicators (minimum of two required in the secondary Indicators (B6) Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)

Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)					
Field Observations:					
Surface Water Present?	Yes No	Depth (inches):			
Water Table Present?	Yes No	Depth (inches):			
Saturation Present? (includes capillary fringe)	Yes No	Depth (inches):	Wetland Hydrology Present?	Yes	No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					
Secondary indicators of hydrology observed					



Appendix B

Wetland Delineation Photographs

Winnebago Solar and Storage Project Faribault County, Minnesota





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Winnebago Solar and Storage Project Delineation Site Photograph







Winnebago Solar and Storage Project Delineation Site Photograph





















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