WETLAND DETERMINATION DATA FORM - Great Plains Region 312 HAOO1

•	,	ShulCounty:	НΔ			_ Sampling	Date:	10-3	-12
ct/Site: Keystone XC		Jily/County	- 13.74	State:	SD	_ Sampling	j Point:	ملحصي	-4
cant/Owner:		_	Lie Dange						
stigator(s):		Local relief (co	ncave, con	vex, none):			Slo	ope (%):	
form (hillslope, terrace, etc.):eglon (LRR):		20021751147	Lo	ong:			Dat	um:	
egion (LRR):	Lai			N\	VI classi	fication:			
allmatic / bydrologic conditions on the site typical for ti	inis time of ye	air 165	Are "No	rmal Circun	nstances	" present?	Yes	No_	X
Vegetation V Soil Y or Hydrology	_ significantly	disturbeur	7110 110	ed, explain					
All and All and Undrology All	naturally Dro	obiemauc <i>i</i>							etc.
MMARY OF FINDINGS – Attach site ma	p showing	sampling	point loc	ations, t	ransed	.ts, iiiipo	- Laite	Toutai oo	
vdrophytic Vegetation Present? Yes X ydric Soil Present? Yes X	No	within	Sampled A a Wetland		Yes	x No	o	_	
etland Hydrology Present? Yes X	No					_			
- drought conditions of									
	Absolut			Dominano	e Test v	vorksheet:			
ree Stratum (Plot size:)		sr Species?	1	Number of	Domina	nt Species			
•				That Are C (excluding		CW, or FAC		2	(A)
·									(7
3			- 1	Total Num Species A				2	(B)
ł		= Total Cov		,					` '
Sapling/Shrub Stratum (Plot size:))			That Are	Domina	int Species CW, or FAC	: <u> </u>	00	(A/E
1.				Prevalence	ce Index	workshee	t;		
2.				Total	% Cove	r of:	Mı	ultiply by:	_
3						50			
4				EACIAL SD	ecies _	CO			
5				FAC spec	cles _				
5		= Total Cov		FAC spec	cles _ ecies _		x 4 =		
5		= Total Cov		FAC spec FACU sp UPL spec	oles _ ecies _ cies _		x4= x5=		
Herb Stratum (Plot size:) 1. Phalasis a rundinass		= Total Cov	FACL	FAC spec FACU sp UPL spec	oles _ ecies _ cies _		x4= x5=		
5		= Total Cov	FACL	FAC spec FACU sp UPL spec Column	cies _ ecies _ cies _ Totals: _	110	x4 = x5 = (A)	170	(E
Herb Stratum (Plot size:) 1. Phalasis a rundinacea 2. Eleochoris obtusa		= Total Cov	FACL	FAC spec FACU sp UPL spec Column 1	cies _ ecies _ cies _ Totals: _ evalence	Index = B/	x4 = x5 = (A)	1.5	(E
Herb Stratum (Plot size:) 1. Phalasis a rundinacea 2. Elao charis obtusa 3	50	= Total Cov	FACE	FAC spec FACU sp UPL spec Column T Pre Hydroph	cies cies cies Totals: _ evalence	Index = B/	x 4 = x 5 = (A) A =	\70 .5 s:	(E
5		= Total Cov	FACE	FAC spec FACU sp UPL spec Column 1 Pre Hydroph	cles ecies cies Totals: _ evalence nytic Veg Rapid Te	Index = B/	x 4 = x 5 = (A) A = dicators	\70 .5 s:	(E
Herb Stratum (Plot size:) 1. Phalasis a rundinasia 2. Elao charis obtusa 3 4 5 6 7		= Total Cov	FACE	FAC spec FACU sp UPL spec Column T Pre Hydroph 1 1 - F 2 2 - U 3 - F	cles ecies cies Fotals: _ evalence nytic Veg Rapid Te Dominan	Index = B/getation inst for Hydroce Test is > ce Index is	x 4 = x 5 = (A) A =dicator: ophytic \ .50% ≤3.01	1.5 s: Vegetation	(E
5		= Total Cov	FACL	FAC spec FACU sp UPL spec Column T Pre Hydroph 1 1 - F 2 2 - U 3 - F	cles ecies cles Fotals: _ evalence Rapid Te Dominan Prevalen	Index = B/getation inst for Hydroce Test is > ce Index is	x 4 = x 5 = (A) A =dicator: ophytic \ 50% ≤3.0¹ tations¹	1.5 s: Vegetation	(E
5		= Total Cov	FACL	FAC spec FACU sp UPL spec Column 1 Pre Hydroph 1 1 - F 2 2 - C 3 - F 4 - 1	cies ecies cies fotals: _ evalence exapid Te Cominan Prevalen Morpholo data in R	Index = B/ getation in- st for Hydro ce Test is > ce Index is ogical Adap emarks or of	$\times 4 =$ $\times 5 =$ (A) $A =$ d	1.5 s: Vegetation (Provide sparate shee	uppor
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5		= Total Co	PACL ORL	FAC spec FACU sp UPL spec Column 1 Pre Hydroph 1 1 - F 2 2 - C 3 - F - 4 - 1	cles ecies cles Fotals: _ evalence exapid Te Cominan Prevalen Morpholo data in R blematic ors of hy ent, unle chytic tion	Index = B/getation in st for Hydroce Test is > ce index is or gical Adap emarks or emarks or emarks or drice soil and starting the starting in	x 4 = x 5 = (A) A = dicators 50% ≤3.0¹ tations¹ on a sep ic Vege d wetlar d or pro	1.5 s: Vegetation (Provide sparate sheetation) (Expand hydrolog	upport tt) olain)

Sampling	Point:	wether
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	Matrix Color (molst)	<u> </u>		dox Features				
inches)		%	Color (moist)		_Type¹	Loc ²		Remarks
0-15	solls to	<u>- ح</u> رم_	trom qu	<u>ronght</u>	_ 	701	2470/	
								
							-	
	-							
Type: C=Co	ncentration, D=Dep	letion RM=R	educed Matrly	CS=Covered	d or Coate	d Sand (Proine 21.0	ocation: PL=Pore Lining, M=Matrix.
lydric Soll ir	ndicators: (Applic	able to all LR	RRs. unless ot	nerwise not	ed.)	u Şanu (s for Problematic Hydric Solis ³ :
_ Histosol (y Gleyed Ma				Muck (A9) (LRR I, J)
	ipedon (A2)			y Redox (S5				t Prairie Redox (A16) (LRR F, G, H)
Black His				ped Matrix (S				Surface (S7) (LRR G)
	n Sulfide (A4)			ny Mucky Mi				Plains Depressions (F16)
	Layers (A5) (LRR		Loam	ny Gleyed M	atrix (F2)			RR H outside of MLRA 72 & 73)
	ck (A9) (LRR F, G,			eted Matrix (iced Vertic (F18)
	Below Dark Surface	e (A11)		x Dark Surfa	, ,			Parent Material (TF2)
	rk Surface (A12)			eted Dark Su)		Shallow Dark Surface (TF12)
	ucky Mineral (S1) lucky Peat or Peat	(S2) (I PP G		ox Depression Plains Depr		16\		r (Explain in Remarks) s of hydrophytic vegetation and
	cky Peat or Peat (S		,	MLRA 72 &	•	•		nd hydrology must be present,
	ony i bat or i bat (c	· · · · · · · · · · · · · · · · · · ·	``			,		ss disturbed or problematic.
Restrictive L	ayer (If present):							·
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Туре:								
	ches):						Hydric So	oil Present? Yes 🗶 No
Depth (inc					_		Hydric So	oil Present? Yes 🗶 No
							Hydric So	oll Present? Yes 🗶 No
Depth (inc							Hydric So	oil Present? Yes 🗶 No
Depth (inc							Hydric So	oli Present? Yes 🗶 No
Depth (inc	ches):						Hydric So	oli Present? Yes 🗶 No
Depth (ind Remarks:	ches):				-		Hydric So	oll Present? Yes 🗶 No
Depth (ind Remarks: YDROLO	GY			apply)				
Depth (inconstruction Construction Cons	GY drology Indicators	:: one required;	check all that a				Secon	dary Indicators (minimum of two required
Depth (inc Remarks; YDROLO Wetland Hyd Primary India Surface	GY drology Indicators eators (minimum of	:: one required;	check all that a	ust (B11)	es (B13)		Secon	dary Indicators (minimum of two required
Depth (inc Remarks; YDROLO Wetland Hyd Primary India Surface High Wa	GY drology Indicators cators (minimum of Water (A1) ater Table (A2)	:: one required;	check all that a	rust (B11) c Invertebrat			Secon Si S	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8)
Depth (incorrection) Primary Indicorrection Surface High Wa Saturation	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3)	:: one required;	check all that a Salt Cr Aquatic	ust (B11) c Invertebrat gen Sulfide C	Odor (C1)		<u>Secon</u> Si Si D	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10)
Primary Indic Surface High Wa Saturatic Water M	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1)	:: one required;	check all that a Salt Cr Aquatio Hydrog Dry-Se	ust (B11) c invertebrat gen Sulfide C ason Water	Odor (C1) Table (C2		Secon SI D O	dary Indicators (minimum of two required urface Soll Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C
Primary India Surface High Water M Sedimer	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	:: one required;	check all that a Salt Cr Aquatic Hydrog Dry-Se Oxidize	ust (B11) c Invertebrat gen Sulfide C	Odor (C1) Table (C2 eres on Ll		Secon Si Si Di O	dary Indicators (minimum of two required urface Soll Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled)
Primary India Surface High Water M Sedimer Sedimer Drift Dep	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3)	:: one required;	check all that a Salt Cr Aquatic Hydrog Dry-Se Oxidize (Whe	ust (B11) c Invertebrat gen Sulfide C ason Water ed Rhizosph	Odor (C1) Table (C2 eres on LI I)	ving Roo	SeconSiDO ts (C3) C	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C
Primary India Surface High Wa Saturatic Water M Sedimer Algal Ma	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	:: one required;	check all that a Salt Cr Aquatio Hydrog Dry-Se Oxidize (whe	ust (B11) c Invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled	Odor (C1) Table (C2 eres on LI I) ced Iron (C	ving Roo	Secon Si Si Di O ts (C3) C	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8)
Primary India Surface High Wa Saturatio Water M Sedimer Algal Ma Iron Dep	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) at Deposits (B2) posits (B3) at or Crust (B4)	one required;	check all that a Salt Cr Aquatic Hydrog Dry-Se Oxidize (whe	ust (B11) c Invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled nce of Reduc	Odor (C1) Table (C2 eres on Li I) ced Iron (C (C7)	ving Roo	Secon Si Si Di O ts (C3) C Si G	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9)
Primary India Surface High Wa Saturatic Water M Sedimer Algal Ma Iron Dep	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria	one required;	check all that a Salt Cr Aquatic Hydrog Dry-Se Oxidize (whe	ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled noe of Reduc uck Surface	Odor (C1) Table (C2 eres on Li I) ced Iron (C (C7)	ving Roo	Secon Si Si Di O ts (C3) G F	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2)
Primary India Surface High Wa Saturatio Water M Sedimer Algal Ma Iron Dep Inundatio Water-S	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aena stained Leaves (B9)	one required;	check all that a Salt Cr Aquatic Hydrog Dry-Se Oxidize (whe	ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled noe of Reduc uck Surface	Odor (C1) Table (C2 eres on Li I) ced Iron (C (C7)	ving Roo	Secon Si Si Di O ts (C3) G F	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) AC-Neutral Test (D5)
Primary India Surface High Water M Sedimer Algal Ma Iron Dep Inundatic Water-S Field Obser	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria stained Leaves (B9) vations:	one required;	check all that a Salt Cr Aquatic Hydrog Dry-Se Oxidize (whe Preser Thin M	ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled noe of Reduc luck Surface (Explain in R	Odor (C1) Table (C2 eres on Li i) ced Iron (C (C7) Remarks)	ving Roo	Secon Si Si Di O ts (C3) G F	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) AC-Neutral Test (D5)
Depth (inconservation) Primary Indiconservation Surface High Wa Saturation Water M Sedimer Algal Ma Iron Dep Inundation Water-S Field Observation	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aena etained Leaves (B9) vations: er Present?	one required; I Imagery (B7)	check all that a Salt Cr Aquatic Hydrog Dry-Se Oxidize (whe Preser Thin M Other (ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled coe of Reduc iuck Surface (Explain in R	Odor (C1) Table (C2 eres on Li i) ced Iron (C (C7) demarks)	ving Roo	Secon Si Si Di O ts (C3) G F	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) AC-Neutral Test (D5)
Depth (inconservation) Primary Indiconservation Surface High Water Manager Mater Mater Table Depth (inconservation) Surface Mater Manager Manager Mater Manager Mater Manager Mater Manager Mater Manager	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria stained Leaves (B9) vations: er Present? Present?	one required; I Imagery (B7) Yes N	check all that a Salt Cr Aquation Dry-Se Oxidize (whee Preser Thin M Other (column)	ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled noe of Reduc luck Surface (Explain in R	Odor (C1) Table (C2 eres on Li i) ced Iron (C (C7) demarks)	vIng Roo	Secon Si Di O Si G Fi	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) AC-Neutral Test (D5) rost-Heave Hummocks (D7) (LRR F)
Depth (incorrection) Remarks: IYDROLOG Wetland Hyd Primary Indicorrection Surface High Water M Sedimer Algal Ma Iron Dep Inundation Water-S Field Obsert Surface Water Water Table Saturation Pe (Includes cap	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria stained Leaves (B9) vations: er Present? Present? resent?	one required; Ilmagery (B7) Yes N Yes N	check all that a Salt Cr Aquatic Hydrog Oridize (whe Preser Thin M Other (ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled coe of Reduc iuck Surface (Explain in R	Odor (C1) Table (C2 eres on Li i) ced Iron (C (C7) demarks)	ving Roo	Secon	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) AC-Neutral Test (D5) rost-Heave Hummocks (D7) (LRR F)
Depth (incorrection) Remarks: IYDROLOG Wetland Hyd Primary Indicorrection Surface High Water M Sedimer Algal Ma Iron Dep Inundation Water-S Field Obsert Surface Water Water Table Saturation Pe (Includes cap	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) at OPEOSITS (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria dained Leaves (B9) vations: er Present? Present?	one required; Ilmagery (B7) Yes N Yes N	check all that a Salt Cr Aquatic Hydrog Oridize (whe Preser Thin M Other (ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled coe of Reduc iuck Surface (Explain in R	Odor (C1) Table (C2 eres on Li i) ced Iron (C (C7) demarks)	ving Roo	Secon	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) AC-Neutral Test (D5) rost-Heave Hummocks (D7) (LRR F)
Depth (incorrection) Remarks: IYDROLOG Wetland Hyd Primary Indicorrection Surface High Water M Sedimer Algal Ma Iron Dep Inundation Water-S Field Obsert Surface Water Water Table Saturation Pe (Includes cap	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria stained Leaves (B9) vations: er Present? Present? resent?	one required; Ilmagery (B7) Yes N Yes N	check all that a Salt Cr Aquatic Hydrog Oridize (whe Preser Thin M Other (ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled coe of Reduc iuck Surface (Explain in R	Odor (C1) Table (C2 eres on Li i) ced Iron (C (C7) demarks)	ving Roo	Secon	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) AC-Neutral Test (D5) rost-Heave Hummocks (D7) (LRR F)
Depth (incorrection) Primary Indicorrection Surface High Water M Sedimer Algal Ma Iron Dep Inundation Water-S Field Obser Surface Water Water Table Saturation Per (includes cap Describe Rec	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria stained Leaves (B9) vations: er Present? Present? pillary fringe) corded Data (strea	one required; Ilmagery (B7) Yes N Yes N Yes N m gauge, mon	check all that a Salt Cr Aquatic Hydrog Dry-Se Oxidize (whe Preser Thin M Other (ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled coe of Reduc duck Surface (Explain in R in (inches): in (inches): in (inches):	Odor (C1) Table (C2 eres on Li i) ced Iron (C (C7) Remarks)	ving Roo	Secon Signature	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) AC-Neutral Test (D5) rost-Heave Hummocks (D7) (LRR F)
Depth (incorrection) Primary Indicorrection Surface High Water M Sedimer Algal Ma Iron Dep Inundation Water-S Field Obser Surface Water Water Table Saturation Per (includes cap Describe Rec	GY drology Indicators eators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria stained Leaves (B9) vations: er Present? Present? resent?	one required; Ilmagery (B7) Yes N Yes N Yes N m gauge, mon	check all that a Salt Cr Aquatic Hydrog Dry-Se Oxidize (whe Preser Thin M Other (ust (B11) c invertebrat gen Sulfide C eason Water ed Rhizosph ere not tilled coe of Reduc duck Surface (Explain in R in (inches): in (inches): in (inches):	Odor (C1) Table (C2 eres on Li i) ced Iron (C (C7) Remarks)	ving Roo	Secon Signature	dary Indicators (minimum of two required urface Soil Cracks (B6) parsely Vegetated Concave Surface (B8) rainage Patterns (B10) xidized Rhizospheres on Living Roots (C (where tilled) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) AC-Neutral Test (D5) rost-Heave Hummocks (D7) (LRR F)

WETLAND DETERMINATION DATA FORM -- Great Plains Region (3(2 H A 66)

Subregion (LRR): Datum: Soil Map Unit Name: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes No> (If no, explain in Remarks.)	Project/Site: K 3 too. X L	с	ity/County	HA			_ Sampling Date: <u>10 - 3</u>	7-13
Section, Township, Range: Local relief (concave, con)vex, none); Singe (%); Landform (hillstope, terrace, etc.); Local relief (concave, con)vex, none); Singe (%); Landform (hillstope, terrace, etc.); Lorg: Lorg: Datum: Datum	Applicant/Owner:				State: _	SD_	_ Sampling Point: _ <mark>५</mark> ၀ါ	<u>~~d</u>
Local relief (concave, convex, none): Slope (%):	Investigator(s): 312	s	ection, To	wnship, Rar	nge:	_	_ 	
Solf Map Unit Name: NWI classification: NWI classification: NWI classification: NWI classification: NWI classification: NW cycletation Present? Yes No	Landform (hillslope, terrace, etc.):	L	ocal relief	(concave, c	convex, none):		Slope (%): _	
Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for this time of year? Yes	Subregion (LRR):	:			Long:		Datum:	
Are climatic / hydrologic conditions on the elte typical for this time of year? Yes No	Soil Map Unit Name:				N	VI classif	ication:	
Are Vegetation Y soil Y or Hydrology D significantly disturbed? Are Vegetation D, Soil D, or Hydrology D, significantly disturbed? Are Vegetation D, Soil D, or Hydrology D, significantly disturbed? Are Vegetation P, Soil D, or Hydrology D, significantly disturbed? Are Vegetation P, Soil D, or Hydrology D, significantly disturbed? Are Vegetation P, Soil D, or Hydrology P, salt significantly disturbed? Are Vegetation Present? Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Is the Sampled Area within a Wetland? Yes No X VEGETATION - Use scientific names of plants. Toe Stratum (Plot size:	Are climatic / hydrologic conditions on the site typical for this time	of year	r? Yes	No	➤ (lf no, e	xplain in	Remarks.)	
Are Vegetation N., Soil N., or Hydrology N., naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland Hydrology Present? Yes No X Is the Sampled Area within a Wetland Hydrology Present? Yes No X Is the Sampled Area within a Wetland? Yes No X No	ā.							<u> </u>
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present?				(If ne	eded, explain a	any answ	ers in Remarks.)	
Hydric Soil Present? Yes	•			g point lo	ocations, tr	ansect	s, important features	s, etc.
Hydric Soil Present? Yes	Lindrah, tip Vagatation Dranant2							
VESETATION - Use scientific names of plants. Tree Stratum (Plot size:)				•		V	No. 💰	
VEGETATION – Use scientific names of plants. Tree Stratum (Plot size:) Absolute	Wetland Hydrology Present? Yes No 🔀		with	in a Wetlan	d7	Yes		
VEGETATION - Use scientific names of plants. Absolute Dominant Indicator % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC-): (A) (excluding FAC-): (b) (excluding FAC-): (a) (a) (excluding FAC-): (a)								
VEGETATION - Use scientific names of plants. Absolute Dominant Indicator % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC-): (A) (excluding FAC-): (b) (excluding FAC-): (a) (a) (excluding FAC-): (a)	- extreme drought condit	tia.	. ٨.	~~``^	2017			
Absolute Species Status Dominant Indicator Species Status Status Species Status	3,11,21,2	, (.	. C.	ر				
Absolute Secies Status Dominant Indicator Species Status Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC-):	VEGETATION - Use scientific names of plants.							
Number of Dominant Species Status Number of Dominant Species That Are OBL, FACW, or FAC (excluding FACP-):		olute	Dominant	Indicator	Dominance	Test wor	ksheet:	
2.								
Total Number of Dominant Species Across All Strata:	1						, or FAC	(A)
Species Across All Strata:	1				,	·		` '
Sapling/Shrub Stratum (Plot size:)							A	(B)
That Are OBL, FACW, or FAC:O (A/B)								
2. Prevalence Index worksheet: Total % Cover of:	Sapling/Shrub Stratum (Plot size:)		70.0.		That Are OB	L, FACW	, or FAC:0	(A/B)
Total % Cover of: Multiply by:					Provalence	Indov wo	orkshoot'	
OBL species					"			:
FACW species X2 =					i			
Herb Stratum (Plot size:) FAC species					FACW specie	es	x 2 =	-
Herb Stratum (Plot size:) 1. Pascoputto 20 X FALU 2. Artunistic conquestic 10			Total Cov	 /er				_
2. Arkinisis conqueris 10	Herb Stratum (Plot size:)			_	l .			-
Prevalence Index = B/A =	1. Pascopyran snithi			,				
4	•	-			Column Tota	ls:	(A)	_ (B)
Hydrophytic Vegetation Indicators: 6	3				Prevale	ence Inde	x = B/A = #. 0	
6					Hydrophytic	Vegetat	ion Indicators:	
7					_ 1) 1 - Rapid	d Test for	Hydrophytic Vegetation	
8	7							
9					1			
10 Problematic Hydrophytic Vegetation¹ (Explain) Woody Vine Stratum (Plot size:) 1 = Total Cover 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 2 Hydrophytic Vegetation Yes No	9							orting
Woody Vine Stratum (Plot size:) 1 = Total Cover 1 = Total Cover 2 = Total Cover We Bare Ground in Herb Stratum = Total Cover Thindicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes No	10				ĺ		, ,	n)
1		=	Total Cov	/er		-		
2 Hydrophytic Vegetation Present? Yes No	· —— —— —— ·							lust
% Bare Ground in Herb Stratum Present? Yes No						;		
	% Bare Ground in Harb Stratum	=	Total Cov	/er	_	٧	es No 🔏	
					. 1000/101	<u> </u>		

Profile Description: (Describe to the dent	h	Sampling Point:
Profile Description: (Describe to the depti Depth Matrix	n needed to document the indicator or cor	nfirm the absence of indicators.)
(inches) Color (moist) %	Redox Features Color (moist) % Type¹ Loc	2 - Total 10
0-15 soils to do		Z Texture Remarks
	from drought for	Seil Sumple
¹Type: C=Concentration D=D-lating DM	Pode allera de la companya della companya della companya de la companya della com	
Hydric Soil Indicators: (Applicable to all	Reduced Matrix, CS=Covered or Coated Sar	
Histosol (A1)	Sandy Gleyed Matrix (S4)	Indicators for Problematic Hydric Solls ³ :
Histic Epipedon (A2)	Sandy Redox (S5)	1 cm Muck (A9) (LRR I, J) Coast Prairie Redox (A16) (LRR F, G, H)
Black Histic (A3)	Stripped Matrix (S6)	Dark Surface (S7) (LRR G)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	High Plains Depressions (F16)
Stratified Layers (A5) (LRR F)	Loamy Gleyed Matrix (F2)	(LRR H outside of MLRA 72 & 73)
1 cm Muck (A9) (LRR F, G, H)	Depleted Matrix (F3)	Reduced Vertic (F18)
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)	Red Parent Material (TF2)
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7) Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
2.5 cm Mucky Peat or Peat (S2) (LRR (Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and
5 cm Mucky Peat or Peat (S3) (LRR F)		wetland hydrology must be present,
	(·····································	unless disturbed or problematic.
Restrictive Layer (If present):		
Туре:		
Depth (inches):		Hydric Soli Present? Yes No
Remarks:		
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary indicators (minimum of one require	d: check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)	Salt Crust (B11)	Surface Soil Cracks (B6)
High Water Table (A2)	Aquatic Invertebrates (B13)	Sparsely Vegetated Concave Surface (B8)
Saturation (A3)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Water Marks (B1)	Dry-Season Water Table (C2)	Oxidized Rhizospheres on Living Roots (C3)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	
Drift Deposits (B3)	(where not tilled)	Crayfish Burrows (C8)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Saturation Visible on Aerial Imagery (C9)
Iron Deposits (B5)	Thin Muck Surface (C7)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (E	37) Other (Explain in Remarks)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)		Frost-Heave Hummocks (D7) (LRR F)
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)	onitoring well, aerial photos, previous inspect	tions) if available:
Describe Necolded Data (stream gauge, m	orintoring went aerial photos, previous inspect	none, ii avallavie.
Remarks;		·
Nemano,		
		•