ONSITE PCN 19207 WETLAND MITIGATION SITE 1st ANNUAL REPORT

Project No. AC-SOI-SCB-7-008(026)174

PCN 19207

ND 50 to US 52 Burke County

Prepared by

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION BISMARCK, NORTH DAKOTA

http://www.dot.nd.gov/

DIRECTOR Grant Levi, P.E.

PROJECT DEVELOPMENT DIRECTOR Robert A. Fode, P.E.

Principal Author: Environmental Reviewer: Paul Moch, NDDOT ETS 10/2015

23 USC § 409 NDDOT Reserves All Objections

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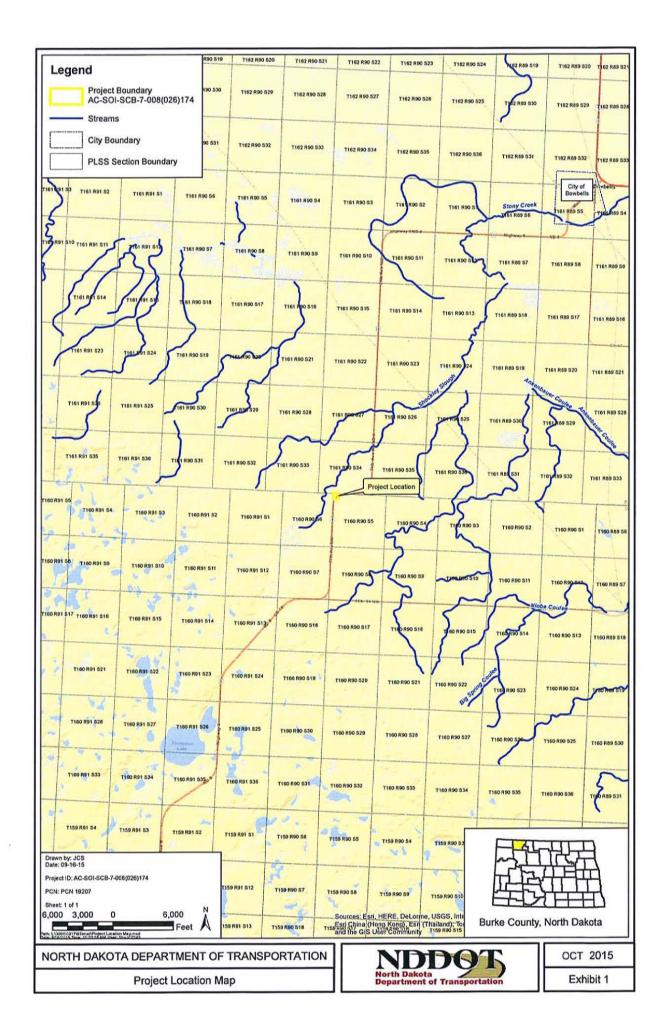
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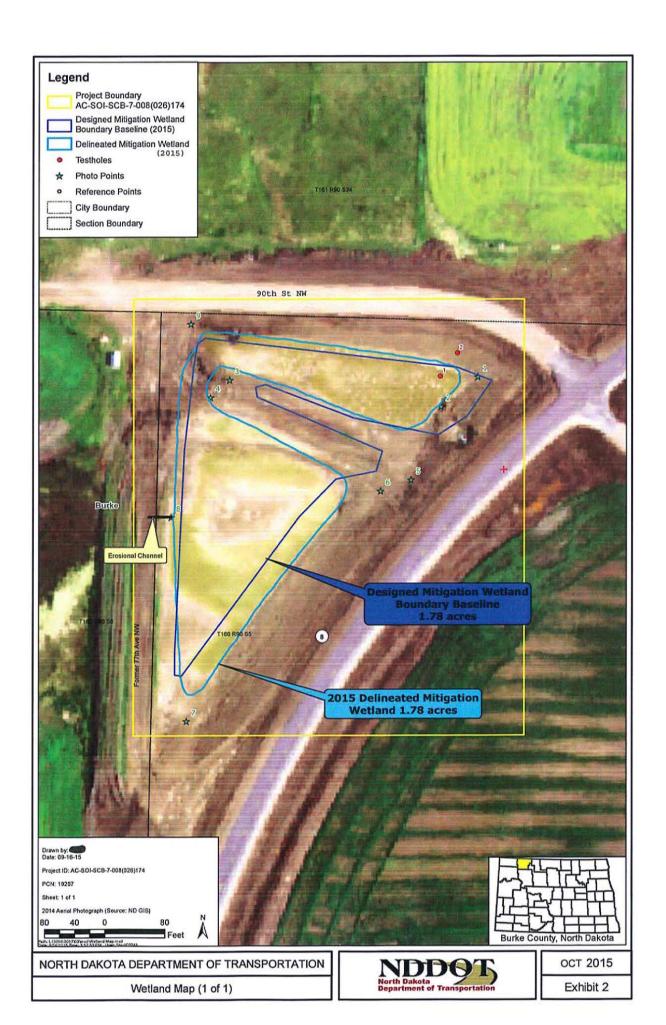
I. Onsite Mitigation Summary

Table 1: Onsite Mitigation Summary
Permit Number: NWO-2011-2556-BIS

Site#	PCN	Project Number	Permitted Acreage	acres	Monitored in 2015 Corrective Actions Needed
1	19207	AC-SOI-SCB-7- 008(026)174	1.04	1.78	No remedial actions needed at this time.
		 	Totals	1.78	

Exhibits





MITIGATION MONITORING REPORT

II. Background Information:

Mitigation Site: Onsite PCN 19207-ND 50 to US 52

Legal Description: NW 1/4 of Sec. 5, T160N-R90W

County: Burke Permit No.: NWO-2011-2556-BIS

Monitoring Date: September 7, 2015

Permittee: ND Dept. of Transportation; Contact Cassandra Torstenson 701-328-2188

Inspected By

Directions to Site: <u>Site is located along ND Highway 8 in a triangle of land owned by the NDDOT approximately 3 miles south and west from the City of Coteau in Burke County.</u>

Timeline:

• Onsite mitigation was created Fall 2014.

- 2015 Monitoring (Year 1) 09/07/2015 Wetland criteria is met. However, the Site is not to the size of plan sheets. Plan sheets indicate Site should be 1.99 acres. Design shape files provided showed 1.78 acre Site. Delineated Site is 1.78 acres. Permitted acreage is 1.04 acres.
- 2015 Monitoring (Year 1) 10/13/2015 NDDOT staff conducted a field review and determined that erosional features will not impede development of this site. NDDOT do not recommend remedial action at this time.
- Wetland Criteria Deadline Fall 2019.

III. Mitigation Plan:

The Onsite PCN 19207 Mitigation Site was built with the intention of offsetting unavoidable loss of aquatic resource functions, values and account for a temporal loss of these functions/values.

Onsite Mitigation was planned to expand Wetland 68 by excavating material from the triangle of land owned by the NDDOT. This will connect Wetland 68 to the natural drainageway in the NW 1/4 of the triangle that feeds into Wetland 201. The natural drainageway was modified when the existing roadbed of 77th Ave NW and the existing culvert were removed for the intersection realignment, and the flowline elevations were to be maintained. The bottom elevation of the mitigation area is to be approximately 0.5' lower than the outlet elevation of the culvert under

90th St NW. There is a fiber optic cable crossing this triangle and the existing ground will be left in place above the cable, creating a peninsula into the mitigation area. The overall onsite mitigation at this location will be 1.99 acres at a 1:1 ratio.

Site 1 is to be 1.99 acres but only 1.04 is required to function for US Army Corps of Engineers (USACE). The entire 1.99 acre site is to be monitored.

Performance Standards:

Wetland- Success criteria will be met when the hydrology exists at the site for sufficient time periods to support a prevalence of vegetation typically adapted for life in saturated soil conditions. Performance standards are met when the mitigation meets wetland criteria for hydrology and hydrophytic vegetation.

Buffer- No buffer credits were proposed for this Site. No performance standards are necessary for the upland BMPs and R/W vegetation establishment.

Yearly monitoring of the Site began with a baseline in 2015 and is anticipated to be completed in 2019.

IV. <u>Mitigation Site Condition-Narrative Summary:</u>

 Is the wetland meeting all three criteria (hydrology, vegetation, hydric soils)? Yes <u>X*</u> No _ (Attach Wetland Delineation Data Form – Great Plains Version 2.0)

If no, indicate which criteria are not being met and reason why:

*Wetland criteria are met and Site is functioning for USACE acreage. However, Site 1 is to be 1.99 acres but only 1.04 is required to function for USACE. The entire 1.99 acre site is to be monitored. The Site is not to the size of plan sheets. Plan sheets indicate Site should be 1.99 acres. Design shape files provided showed a 1.78 acre Site. Field Delineated Site is 1.78 acres and is fully functioning. Soil samples were not taken per NDDOT guidance. However, it is believed soils are heading towards a hydric indicator due to presence of hydrophytic vegetation and adequate hydrology.

2. Indicate if wetland showing any observable sign(s) of re-vegetation, organic debris, erosion, silting-in, flooding, expansion, human use, or other problem area(s) that you may have identified or no observable change(s) from the as-built plans? Explain:

Erosion from the culvert (under ND 8) end sloping towards the Site is prominent as eroding back towards the culvert in the ND Highway 8 embankment. The erosional feature is 1.5-4 feet wide and 2-6 feet deep. Refer to Photo #2 taken at Photo Point 2. A second erosional feature is occurring on the west edge of the Site. This feature is 1-2.5 feet wide and 6 inches to 1.5 feet deep. Refer to Photo #12 and #13 taken at Photo Point 8.

NDDOT staff conducted a field review on 10/13/2015 and determined that the erosional features will not impede development of this site. NDDOT does not recommend remedial action at this time. However, NDDOT will review the site to determine best course of action moving forward.

As stated above in #1, Site 1 is not 1.99 acres. However, the site is functioning for USACE acreage.

3. (if required by permit) Is the buffer meeting design plans and permit conditions? Yes_No_Indicate any concerns that impact the integrity of the wetland buffer:

Not applicable.

4. (if required by permit) Is the adjacent upland meeting design criteria? Yes_No_ Indicate any concerns that impact the integrity of the adjacent upland:

Not applicable.

Are there any recommendations for additional corrective or remedial actions? Yes _ No X* Indicate any recommendations for additional corrective or remedial actions:

*Verify acreage of Designed Site with Plans.

The Site is functioning for permitted USACE acreage.

NDDOT conducted a field review on 10/13/2015 and determined that the erosional features will not impede development of this site. NDDOT recommends no remedial action is required at this time. However, NDDOT will review the site to determine the best course of action moving forward.

Appendix A 2015 Mitigation Monitoring Site Photos

Project Number AC-SOI-SCB-7-008(026)174 PCN 19207



Adjacent Wetland #: Site 1

Photo #: 1

Observer:

Location: Photo Point 1. View of Site 1 from NE

corner.

Date/Time Taken: September 7, 2015 8:17A.M.

Direction Photo is Taken: West

Latitude: 48.720082

Longitude: -102.341192



Adjacent Wetland #: Site 1

Photo #: 2

Observer

Location: Photo Point 2. View of erosion below culvert flowing into Site 1 from the east under ND

Highway 8.

Date/Time Taken: September 7, 2015 8:19A.M.

Direction Photo is Taken: East

Latitude: 48.719971

Longitude: -102.341392

Adjacent Wetland #: Site 1

Photo #: 3



Location: Photo Point 3. View from NW end of

peninsula in Site 1.

Date/Time Taken: September 7, 2015 8:30A.M.

Direction Photo is Taken: North

Latitude: 48.720051

Project Number AC-SOI-SCB-7-008(026)174 PCN 19207



Adjacent Wetland #: Site 1

Photo #: 4

Observer:

The second second

Location: Photo Point 3. View from NW end of

peninsula in Site 1.

Date/Time Taken: September 7, 2015 8:30A.M.

Direction Photo is Taken: East

Latitude: 48.720051

Longitude: -102.342561



Adjacent Wetland #: Site 1

Photo #: 5

Observer:

Location: Photo Point 3. View from NW end of

peninsula in Site 1.

Date/Time Taken: September 7, 2015 8:30A.M.

Direction Photo is Taken: West

Latitude: 48.720051

Longitude: : -102.342561



Adjacent Wetland #: Site 1

Photo #: 6

Observer:

Location: Photo Point 4. View from SW end of

peninsula in Site 1.

Date/Time Taken: September 7, 2015 8:33A.M.

Direction Photo is Taken: South

Latitude: 48.719985

Project Number AC-SOI-SCB-7-008(026)174 PCN 19207



Adjacent Wetland #: Site 1

Photo #: 7

Observer:



Location: Photo Point 4. View from SW end of

peninsula in Site 1.

Date/Time Taken: September 7, 2015 8:33A.M.

Direction Photo is Taken: Southeast

Latitude: 48.719985

Longitude: -102.342664



Adjacent Wetland #: Site 1

Photo #: 8

Observer:

Location: Photo Point 5. View from east end

peninsula of Site 1.

Date/Time Taken: September 7, 2015 8:8:35A.M.

Direction Photo is Taken: Northwest

Latitude: 48.719701

Longitude: -102.341548



Adjacent Wetland #: Site 1

Photo #: 9

Observer:

Location: Photo Point 6. View of south bay of Site

1 from NE edge of south bay.

Date/Time Taken: September 7, 2015 8:37A.M.

Direction Photo is Taken: West-Southwest

Latitude: 48.719658

Project Number AC-SOI-SCB-7-008(026)174 PCN 19207



Adjacent Wetland # Site 1

Photo #: 10

Observers

Location: SW of Photo Point 6. View west from

Site 1 edge from southeast of peninsula.

Date/Time Taken: September 7, 2015 8:37A.M.

Direction Photo is Taken: West

Latitude: 48.719658

Longitude: -102.341715



Adjacent Wetland # Site 1

Photo #: 11

Observer:

Location: Photo Point 7. View from southern edge

of Site 1.

Date/Time Taken: September 7, 2015 8:41A.M.

Direction Photo is Taken: North Northwest

Latitude: 48.718801

Longitude: -102.342755



Adjacent Wetland #: Site 1

Photo #: 12

Observer:

Location: Photo Point 8. Erosional feature forming

on west edge of Site 1.

Date/Time Taken: September 7, 2015 8:44A.M.

Direction Photo is Taken: West

Latitude: 48.719544

Project Number AC-SOI-SCB-7-008(026)174 PCN 19207



Adjacent Wetland #: Site 1

Photo #: 13

Observer

Location: Photo Point 8. Erosional feature forming

on west edge of Site 1.

Date/Time Taken: September 7, 2015 8:44A.M.

Direction Photo is Taken: West

Latitude: 48.719544

Longitude: -102.342867



Adjacent Wetland #: Site 1

Photo #: 14

Observer:

Location: Photo Point 9. View from NW corner of

Site 1.

Date/Time Taken: September 7, 2015 8:48 A.M.

Direction Photo is Taken: East

Latitude: 48.720251

Longitude: -102.342783



Adjacent Wetland #: Site 1

Photo #: 15

Observer:

Location: Photo Point 9. View from NW corner of

Site 1.

Date/Time Taken: September 7, 2015 8:48A.M.

Direction Photo is Taken: South

Latitude: 48.720251

Project Number <u>AC-SOI-SCB-7-008(026)174</u> PCN <u>19207</u>



Adjacent Wetland #: Site 1

Photo #: 16

Observer:

Location: Photo Point 9. View from NW corner of

Site 1.

Date/Time Taken: September 7, 2015 8:48 A.M.

Direction Photo is Taken: Southeast

Latitude: 48.720251

Appendix B Wetland Determination Data Forms

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site	PCN: 19207	City/	County:	Burke	Sampling Date	e: 9/7/2015
Applicant/Owner:	NDDO	Т	State:	NE		**************************************
Investigator(s):	The state of the state of	A CONTRACTOR	Sect	ion, Townsh	ip, Range: S5,	T160N, R90W
Landform (hillslope, terra	ace, etc.):	depression	Local	relief (conca	ve, convex, none):	concave
Slope (%):0-1	Lat: 48.7	20082	Long:	-102.341	398 Datum:	NAD 83
Soil Map Unit Name:	Williams-Niobell	loams, 0 to 3 per	cent slopes	NWI	Classification:	242
Subregion (MLRA or LR	R):F	Are climatic/hy	drologic con	ditions of the	site typical for this time	of the year? Y
Are vegetation , se	oil 🔲 , or hydrology	☐ significantly	disturbed?	Are "no	rmal circumstances" pres	sent? Y
Are vegetation , se	oil 🔲 , or hydrology	naturally pr	oblematic?	(If need	ed, explain any answers	in remarks.)
SUMMARY OF FINE	DINGS					
Hydrophytic vegetat	ion present?	<u>Y</u>	Is the s	ampled are	a within a wetland?	Y
Hydric soil present?		*	100			
Indicators of wetland	d hydrology present?	<u>Y</u>	100			
Remarks: (Explain altern	native procedures here	or in a separate	report.)			
Mitigation wetland. *Did						
VEGETATION Us	e scientific names o	of plants.			*	
100	12.9891	Absolute	Dominant	Indicator	Dominance Test Wo	rksheet
Tree Stratum (Ple	ot size: 30 ft	_) % Cover	Species	Staus	Number of Dominant Sp	
1					that are OBL, FACW, or	
2			-		Total Number of Don Species Across all S	
3		_			Percent of Dominant Sp	
5		_				FAC: 100.00% (A/B)
		0	= Total Cove			
Sapling/Shrub stratum	(Plot size: 15 ft)			Prevalence Index Wo	orksheet
1	#				Total % Cover of:	
2					OBL species 65	x1 =65
3					FACW species 35 FAC species 0	$- \frac{x2}{x3} = \frac{70}{0}$
5			-		FAC species 0 FACU species 0	$- \frac{x^3 - 0}{x^4 = 0}$
			= Total Cove		UPL species 0	$-x_{5} = \frac{0}{0}$
Herb stratum	(Plot size: 5 ft	,		22	Column totals 100	(A) 135 (B)
1 Typha latifolia	A	60	Y	OBL	Prevalence Index = B	/A = 1.35
2 Hordeum jubatum		20	Y	FACW		
3 Juncus balticus		10	N	FACW	Hydrophytic Vegetat	
4 Eleocharis acicula	ris	5	N	OBL	X Rapid test for hyd	
5 Poa palustris		5	N	FACW	X Dominance test is X Prevalence index	
6						
8					Morphogical adap supporting data in	
9					separate sheet)	Tromano or on a
10			-		Problematic hydro	phytic vegetation*
).—		100	= Total Cove	r	(explain)	**************************************
Woody vine stratum	(Plot size: 30 ft)				nd wetland hydrology must be sturbed or problematic
2					Hydrophytic	
- A-14 (17.41)	a ten or	0	= Total Cove	r	vegetation	
% Bare Ground in Her	b Stratum 0	P			present?	Υ
Remarks: (Include photo	numbers here or on a	separate sheet)				

		(Transmitted and the				1012/1011/1019 2012			firm the absence of	,		
Depth	Daniel Partilla de la Januari	Matrix			Mottles								
nches)	Horizon	Color	Color (moist) %		Color	(moist)	%	Type*	Loc**	Texture	Remarks		
				_									
*Type:	C = Concen	tration, D	= Deplet	ion, RM	= Reduc	ed Matri	x, MS = 1	Masked S	and Gra	ins. **Location: I	PL = Pore Lining, M = Matr		
Hyd	ric Soil Indi	cators:								Indicators for Prob	lematic Hydric Soils:		
	sol (A1)									1 cm Muck (A9) (LRR I,J)			
	c Epipedon (/	42)								Coast Prairie Redox (A16) (LRR K, L, R)			
	k Histic (A3)	SEC.			☐ Stripped Matrix (S6) ☐ Dark Surface (S7) (LRR K, L)								
	rogen Sulfide		4		Loamy Mucky Mineral (F1) High Plains Depressions (F16) (LRR Loamy Gleyed Matrix (F2) 72,73)						ons (F16) (LRR H, outside ML		
	tified Layers (leted Ma		(F2)		Reduced Vertic (F18)	v.		
	n Muck (A9) (I leted Below D							F6)		Red Parent Material (TF2)			
	k Dark Surfac		ice (ATT)							Very Shallow Dark Surface (TF12)			
	dy Mucky Min					lox Depre				Other (explain in rema			
	cm Mucky Pe		t (S2) (LRI	R G.H)		n Plains D		A. 1000 CO. 1000	_				
_	Mucky Peat					RA 72, 73							
				Check h	ere if ind	dicators	are not	present:					
estrict	ive Layer (if	present):							CAN be an a transfer with a contract of the co	NATO		
Туре	e:			Dep	oth (inche	es):		100	Н	ydric soil present?	<u> </u>		
emarks	3:		98.502 (A2)	200 101	1100 - 100	0. 1000	01 1290			THE STATE OF THE S	AND CONTROL TO THAT COME!		
	2.1	antalas b	udric coile	hased a	on hydro	phytic ve	getation	and hydr	ology D	oid not dig due to NDI	OOT request		

Wetiand Hydrology maica	tors.										
Primary Indicators (minimur	n of one is	Secondary Indicators (minimum of two require									
Surface Water (A1)				Salt C	crust (B11)		☐ Surface Soil Cracks (B6)				
☐ High Water Table (A2)			V	Aquat	ic Fauna (B13)		Sparsely Vegetated Concave Surface (B8)				
☐ Saturation (A3)] Hydro	gen Sulfide Odor (C1)		□ Drainage Patterns (B10)				
☐ Water Marks (B1)				Dry S	eason Water Table (C	2)	 Oxidized Rhizospheres on Living Roots 				
☐ Sediment Deposits (B2)				Oxidiz	ed Rhizospheres on L	iving Roo	s (tilled) (C3)				
☐ Drift Deposits (B3)				(not ti	lled) (C3)		☐ Crayfish Burrows (C8)				
☐ Algal Mat or Crust (B4)	☐ Algal Mat or Crust (B4)					C4)	 Saturation Visible on Aerial Imagery (C9) 				
☐ Iron Deposits (B5)				Thin M	Muck Surface (C7)		Geomorphic Position (D2)				
Inundation Visible on Ae	ial Imager	y (B7)] Other	(Explain in Remarks)		☑ FAC-Neutral Test (D5)				
			3773-778-7711-301-301-301-311-311-311-311-311-311-3		☐ Frost-Heaved Hummocks (LRR F)						
		Check h	ere if in	dicator	s are not present:						
Field Observations:							THE RESERVE OF THE PARTY OF THE				
Surface water present? Yes ✓			No		Depth (inches):	3					
Water table present?	Yes		No		Depth (inches):		Indicators of wetland				
Saturation present?	No		Depth (inches):		hydrology present? Y						

Remarks:

Saturation present? (includes capillary fringe)

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site	PCN: 19207	City/	County:	Burke	Sampling [Date: 9/7/2015
Applicant/Owner:	NDDOT		State:	ND	Sampling F	Point: 2
Investigator(s):	一級。但在外間以對於實際	E-191	Sect	ion, Townsh	ip, Range:	S5, T160N, R90W
Landform (hillslope, terra	ice, etc.): si	deslope	Local	relief (conca	ve, convex, none):	convex
Slope (%): 12	Lat: 48.720	167	Long:	-102.3413	309 Datum:	NAD 83
Soil Map Unit Name:	Williams-Niobell loa	ms, 0 to 3 per	cent slopes	NWI	Classification:	
Subregion (MLRA or LRF	R): F	Are climatic/hy	drologic con	ditions of the	e site typical for this ti	me of the year? Y
Are vegetation , so	il, or hydrology [significantly	disturbed?	Are "no	rmal circumstances" ¡	present? Y
Are vegetation , so	il 🔲 , or hydrology [naturally pr	oblematic?	(If need	led, explain any answ	ers in remarks.)
SUMMARY OF FIND	INGS	- A2 7				
Hydrophytic vegetation	on present?	N	Is the s	sampled are	a within a wetland?	Υ
Hydric soil present?		•				
Indicators of wetland	hydrology present?	N				
Remarks: (Explain altern	ative procedures here or	in a separate	report.)			
Road foreslope above mi				equest.		
VEGETATION Use	scientific names of p	olants.				
	D PO TENEDRO I IX	Absolute	Dominant	Indicator	Dominance Test	Worksheet
Tree Stratum (Plo	t size:)	% Cover	Species	Staus	Number of Dominan	1000001
1					that are OBL, FACW	
3					Total Number of I Species Across	
J 4		-		-	Percent of Dominan	and the second s
5					that are OBL, FACW	
		0	= Total Cove	er	Miss Saladion a Landers du a la comana	
Sapling/Shrub stratum	(Plot size: 15 ft)			Prevalence Index	Worksheet
1	*				Total % Cover of:	
2					OBL species	0 x1 = 0
3						20 x 2 = 40
5						$\frac{10}{10} \times 3 = \frac{30}{40}$
5			= Total Cove			60 x 5 = 300
Herb stratum	(Plot size: 5 ft	,——	rotal core	9%		100 (A) 410 (B)
1 Kochia scoparia		—´ 30	Υ	UPL	Prevalence Index	
2 Thinopyrum interm	edium	20	Y	UPL	Samuel Wilder Comment	
3 Hordeum jubatum		20	Υ	FACW	- 150 - 150 TO	etation Indicators:
4 Melilotus officinalis		10	N	FACU	Particular and a second second second	hydrophytic vegetation
5 Triticum sp.		10	N	UPL	Dominance tes	
6 Sonchus arvensis		10	N	FAC	— Prevalence inc	
7			81 			daptations* (provide
8 9		-		(t	supporting date	a in Remarks or on a
10			<i>(</i>			ydrophytic vegetation*
		100	= Total Cove	er	(explain)	, and project the second
Woody vine stratum	(Plot size: 30 ft	_)				oil and wetland hydrology must be
2					Hydrophytic	
100 E Samuel Control	EG 2 a	0	= Total Cove	r	vegetation	
% Bare Ground in Herb					present?	N
Remarks: (Include photo	numbers here or on a se	eparate sheet)	*			

SOIL	Description:	(Describ	e to the	e depth	needed t	o docun	nent the	indicato	r or cor	nfirm the	Samplin e absence o	7/	ers.)	2
		Matrix			Mottles									
Depth (Inches)	Horizon	Color (r		%	Color	(moist)	%	Type*	Loc**	Te	exture		Remarks	
		Ì												
			-											
			_							1				
				-										
				-										
										+				
				<u>-</u>				_		+				
			_							1				
*Type:	C = Concen	tration, D	= Deple	tion, RM	= Reduc	ed Matri	x, MS =	Masked S	Sand Gr	ains.	**Location:	PL = Pore	e Lining, N	1 = Matrix
	ric Soil Indi						· -				tors for Pro	blematic	Hydric So	ils:
	isol (A1)				☐ San	dv Gleve	d Matrix ((S4)			luck (A9) (LRF			
☐ Hist	ic Epipedon (/	A2)				dy Redox		error er			st Prairie Redox (A16) (LRR K, L, R)			
	ck Histic (A3)				Strip	ped Mat	rix (S6)			Dark S	Surface (S7) (LRR K, L)			
	rogen Sulfide				_		y Mineral			200 (200 (200 (200 (200 (200 (200 (200	gh Plains Depressions (F16) (LRR H, outside MLR			tside MLRA
	tified Layers (d Matrix	(F2)	_	72,73)		25		
	n Muck (A9) (I		-	leted Ma		E6)			ed Vertic (F1) rent Material					
	leted Below D k Dark Surfac		e (A11)				Surface (I k Surface				nallow Dark S		12)	
	dy Mucky Min						ssions (F				explain in rem		1-/	
	cm Mucky Pe		(S2) (LRI	R G.H)	☐ High Plains Depressions (F16)									
	n Mucky Peat				(MLRA 72, 73 of LRR H) *Indicators of hydrophytic vegetation and weltand hydro present, unless disturbed or problematic								logy must be	
		A STATE OF THE STA	-	Check h	ere if inc	licators	are not	present:			present, unicos	distance of	propromato	
Restrict	tive Layer (if	present):	:	1800 CO 1000										
Тур	e:			Dep	oth (inche	h (inches): Hydric						N	-	
Remark	s:													
Did not	dig due to NE	DOT requ	uest.											
HYDR	OLOGY													
	Hydrology	Indicator	s:											
Primary	Indicators (m	ninimum o	f one is	required	check a	II that ap	ply)			Secon	ndary Indicate	ors (minim	num of two	required)
☐ Surf	ace Water (A	1)				Salt Cru	st (B11)] Surface So			
☐ High	Water Table			Aquatic	Fauna (B	13)			☐ Sparsely Vegetated Concave Surface (B			urface (B8)		
☐ Satu	☐ Saturation (A3) ☐ Hydrogen Sulfic							Odor (C1	Odor (C1) Drainage Patterns (B10)					
☐ Wat	er Marks (B1)					Dry Sea	son Wate	r Table (0	C2)		Oxidized R		s on Living	Roots
☐ Sed	iment Deposit	ts (B2)						heres on	Living R		(tilled) (C3)			
7	Deposits (B3				V_0	(not tilled		S2 - 65	5523 004	1,000	Crayfish Bu			
100000	al Mat or Crus				-			iced Iron	(C4)	1] Saturation `			jery (C9)
	Deposits (B5)						ck Surfac			1.	Geomorphi		37/	
	dation Visible		Imagery	(B7)		Other (E	xplain in	Remarks))] FAC-Neutra		(f()	-
☐ Wat	er-Stained Le	aves (B9)								L] Frost-Heav	ed Hummo	CKS (LRR	r)
			C	heck he	ere if ind	icators a	are not p	resent:						
Field Ol	oservations:													

N

Indicators of wetland

hydrology present?

Surface water present?

(includes capillary fringe)

Water table present? Saturation present?

Remarks:

Yes

Yes

Yes

No 🔽

No I

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Depth (inches):

Depth (inches):

Depth (inches):