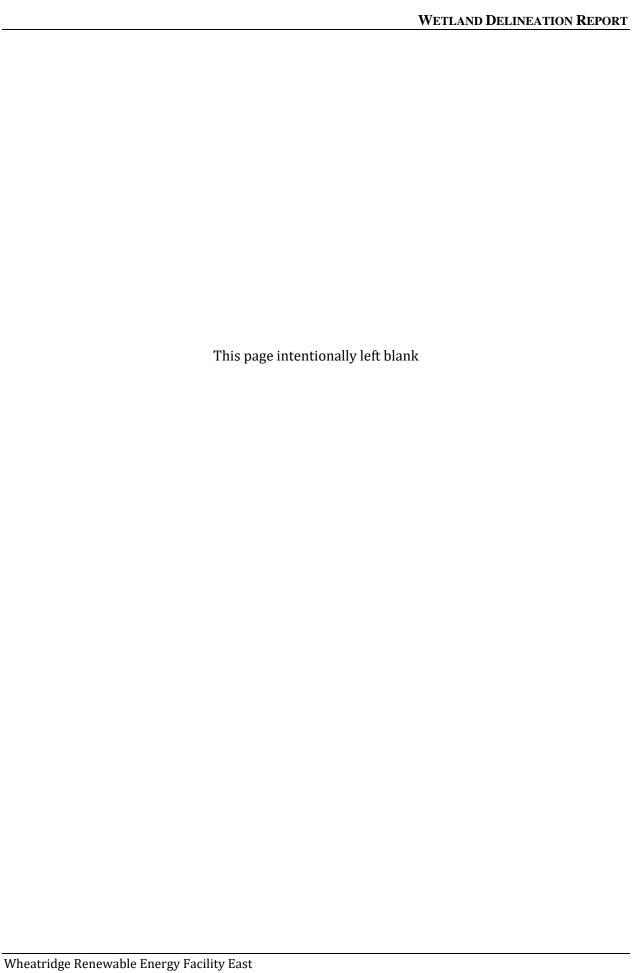


	WETLAND DELINEATION REPORT
Appendix A. USACE D	Datasheets



See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow	County	Sampling Da	ate: 10/25
Applicant/Owner: NextEra Energy			State: OR	Sampling Po	oint: SP-
Investigator(s): Jessica Taylor and Katie Pyne	s	ection, Township, Rai	nge: 1N 28E S28		
Landform (hillside, terrace, etc.): Valley Bottom	Local	relief (concave, conve	x, none): Concave		Slope (%):
Subregion (LRR): LRR B Lat: 45.515199	-	Long:	119.309242	Dati	um: NAD8
Soil Map Unit Name: 35: Onyx Silt Loam		_	NWI class	ification:	
Are climatic / hydrologic conditions on the site typical fo	r this time of year?	Yes X	No (If no, e	xplain in Remark	s.)
Are Vegetation X , Soil , or Hydrology s	ignificantly disturb	ed? Are "Normal C	Circumstances" present?	Yes X	No
Are Vegetation, Soil, or Hydrologyn			plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site ma			ations, transects,	important fe	atures, et
Hydrophytic Vegetation Present? Yes X No	·	Is the Sampled A	·ea		
Hydric Soil Present? Yes X No		within a Wetland	Yes X	No	
Wetland Hydrology Present? Yes X No					
Remarks:					
Riverine wetland. Area heavily used by livestock.					
VECETATION Has a significant and a significant a					
VEGETATION – Use scientific names of pl		minant Indicator	1		
<u>Tree Stratum</u> (Plot size: 30)		ecies? Status	Dominance Test we	orksheet:	
1.			Number of Dominan	•	•
2. 3.			Are OBL, FACW, or	-	2
4.			Total Number of Dor Across All Strata:	minant Species	3
	=Total	Cover	Percent of Dominan	t Species That	
Sapling/Shrub Stratum (Plot size: 15)			Are OBL, FACW, or	FAC:	66.7%
1					
2. 3.			Prevalence Index v Total % Cover		Multiply by:
4.			-	30 x 1 =	30
5.			· -	50 x 2 =	100
	=Total	Cover	FAC species	0 x 3 =	0
Herb Stratum (Plot size: 5)				30 x 4 =	120
1. Phalaris arundinacea		Yes FACW	UPL species	0 x 5 =	0
2. Eleocharis palustris		Yes OBL FACU	Column Totals:	110 (A)	250 2.27
Panicum capillare 4.	30	res FACU	Prevalence index	. – D/A –	2.21
5.			Hydrophytic Vegeta	ation Indicators	:
6.			X Dominance Test		
7.			X Prevalence Inde		
8			Morphological A		
	110=Total	Cover		rks or on a sepa	•
Woody Vine Stratum (Plot size:)			Problematic Hyd		
1			¹ Indicators of hydric be present, unless d		
	=Total	Cover	Hydrophytic	iolarboa or probl	omatio.
			Vegetation		
% Bare Ground in Herb Stratum 10 % 0	Cover of Biotic Cru	st		s X No	
Remarks:			•		

01a 5 3

C.

(A)

(B)

(A/B)

(B)

ing

n)

nust

SOIL Sampling Point: SP-01a

	ription: (Describe	to the depth				tor or c	confirm the ab	sence of indicat	ors.)	
Depth	Matrix			ox Featu						
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Textur		Remarks	
0-16	2.5Y 2.5/1	100					very fine sil	t loam		
							-			
¹ Type: C=Co	ncentration, D=Dep	letion, RM=R	educed Matrix,	CS=Cove	ered or C	oated S	and Grains.	² Location: PL=	=Pore Lining, M=I	∕latrix.
Hydric Soil I	ndicators: (Applica	ble to all LR	Rs, unless oth	erwise n	oted.)		I	ndicators for Pro	_	Soils ³ :
Histosol (•		Sandy Re	edox (S5)			_	1 cm Muck (A9		
	ipedon (A2)		Stripped I	•	•		_	2 cm Muck (A		
Black His			Loamy M	-	, ,		_		se Masses (F12)	(LRR D)
I — · · · · ·	Sulfide (A4)		Loamy Gl	-			<u>_</u>	Reduced Verti		
	Layers (A5) (LRR C	;)	Depleted	,	,		<u>-</u>	Red Parent Ma	, ,	
l 	ck (A9) (LRR D)		Redox Da				_		Dark Surface (F22	2)
	Below Dark Surface	e (A11)	Depleted				_	Other (Explain	in Remarks)	
	rk Surface (A12)		Redox De	epression	s (F8)					
	ucky Mineral (S1)	31	مناه و المراجع	4 . 4:		دما امصمالك		h		-1
	eyed Matrix (S4)		or riyaropriyiic	vegetatio	n and we	eliano ny	drology must	be present, unless	s disturbed or pro	Diemauc.
	.ayer (if observed):									
Type:			_							
Depth (in	cnes):		_				Hydric Soil	Present?	Yes X	No
HYDROLO	GY									
Wetland Hyd	Irology Indicators:									
_	ators (minimum of c	ne is require	d; check all that	apply)				Secondary Indicate	ors (minimum of t	wo required)
X Surface \	Vater (A1)		Salt Crus	t (B11)				Water Marks (B1) (Riverine)	
High Wat	er Table (A2)		Biotic Cru	ıst (B12)			_	Sediment Dep	osits (B2) (Riveri	ne)
X Saturatio	n (A3)		Aquatic Ir	nvertebra	tes (B13)		_	Drift Deposits	(B3) (Riverine)	
Water Ma	arks (B1) (Nonriveri	ne)	X Hydrogen	Sulfide (Odor (C1))	_	Drainage Patte	erns (B10)	
	t Deposits (B2) (Nor		Oxidized	•		U	oots (C3)	_ ′	ater Table (C2)	
	osits (B3) (Nonriver	ine)	Presence		,	,	_	Crayfish Burro		
I —	Soil Cracks (B6)	·	Recent Ire			lled Soil	s (C6)		ble on Aerial Ima	gery (C9)
I —	n Visible on Aerial II	magery (B7)	Thin Muc				_	Shallow Aquita		
	ained Leaves (B9)		Other (Ex	plain in F	Remarks)			X FAC-Neutral T	est (D5)	
Field Observ		- V	NI.	D 41- /3		0				
Surface Water		es X	No	. ,	inches): _	6				
Water Table Saturation Pr		es X	No X No		inches): _ inches):		Wotland	Hydrology Prese	nt? Vos Y	No
(includes cap		.s <u>/</u>		Deptil (vvetianu	nyurology Fresei	nt? Yes X	No
	corded Data (stream	gauge, moni	toring well, aeri	al photos	, previous	s inspec	tions), if availa	able:		
		- - ·		•	•	•				
Remarks:										

Project/Site: Wheatridge East		City/Cour	nty: Morrow	County	Sampling Da	ite: 10/2	25/22
Applicant/Owner: NextEra Energy		_		State: OR	Sampling Po	int: S	P-01b
Investigator(s): Jessica Taylor and Katie Pyne		Section, To	ownship, Ran	ge: 1N 28E S28	•		
Landform (hillside, terrace, etc.): Valley Bottom	Lo	— ocal relief (cor	ncave, conve	x, none): Concave		Slope (%): 5
Subregion (LRR): LRR B Lat: 45.515199				19.309242		ım: NAI	
Soil Map Unit Name: 35: Onyx Silt Loam			_		fication:		
Are climatic / hydrologic conditions on the site typical	for this time of ve	ear?	Yes X	No (If no, exp			
Are Vegetation X , Soil , or Hydrology	-			ircumstances" present?			
Are Vegetation, Soil, or Hydrology				plain any answers in Ren			_
SUMMARY OF FINDINGS – Attach site i				-		eatures	, etc.
Hydrophytic Vogotation Procent? Voc	No. V	lo the	Sampled Are		•		
	No X No X		Sampled Are a Wetland?		No_X		
	No X	W.C.	a wonana.		<u> </u>		
Remarks:							
Upland plot							
VEGETATION – Use scientific names of	plants.						
Total Charters (Dictains 20	Absolute	Dominant	Indicator	Daminana Taat wa	ulan lan natu		
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test wo			
2.				Number of Dominant Are OBL, FACW, or F	•	1	(A)
3.				Total Number of Dom	inant Species	0	(D)
4	_{-T}	otal Cover		Across All Strata:	<u> </u>	3	— ^(B)
Sapling/Shrub Stratum (Plot size: 15		otal Cover		Percent of Dominant : Are OBL, FACW, or F	•	33.3%	(A/B)
1.	_'				-		_ (, , ,
2.				Prevalence Index wo	orksheet:		
3.				Total % Cover of	f:	Multiply by	y:
4) x 1 = _	0	_
5					x 2 = _	0	_
Harb Stratum (Diat aiza: 5	=I	otal Cover			0 x 3 = _ 0 x 4 =	90 80	_
Herb Stratum (Plot size: 5) 1. Onopordum acanthium	50	Yes	UPL	· —	$\begin{array}{ccc} 0 & x & 4 & = \\ \hline 0 & x & 5 & = \\ \end{array}$	250	_
Leymus cinereus	30	Yes	FAC	Column Totals: 10		420	(B)
Reynoutria japonica	20	Yes	FACU	Prevalence Index	`` _	4.20	_` ′
4.							
5.				Hydrophytic Vegetat	tion Indicators:		
6				Dominance Test i			
7				Prevalence Index			
8				Morphological Ad data in Remark			-
Manaka Vina Chartena (Diataina		otal Cover			-		•
Woody Vine Stratum (Plot size:	_)			Problematic Hydro		, ,	,
1. 2.				¹ Indicators of hydric so be present, unless dis			/ must
	=T	otal Cover		Hydrophytic	u o. probit		
				Vegetation			
% Bare Ground in Herb Stratum 10	% Cover of Biotic	Crust			No_	Χ	
Remarks:							

SOIL Sampling Point: SP-01b

	ription: (Describe Matrix	to the depth		ument th x Featur		ator or c	onfirm the absence	e of indicators.)	
Depth (inches)	Color (moist)	<u></u> %	Color (moist)	% realur	Type ¹	Loc ²	Texture		Remarks	
0-16	10YR 3/3	100	Color (Molot)	70	. , po			_	· tomano	
0-10	10111 3/3	100	_				Indicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C)2 cm Muck (A10) (LRR B)Iron-Manganese Masses (F12) (LRR D)Reduced Vertic (F18)Red Parent Material (F21)Very Shallow Dark Surface (F22)Other (Explain in Remarks)			
							-			
							-	_		
								_		
¹ Type: C=Co	oncentration, D=Dep	letion, RM=F	Reduced Matrix, C	S=Cove	ered or C	oated Sa	and Grains. ² Lo	ocation: PL=Poi	e Lining, M=Matri	Х.
Hydric Soil I	ndicators: (Applica	ble to all LF	RRs, unless othe	rwise n	oted.)		Indica	tors for Proble	matic Hydric Soil	ls³:
Histosol	(A1)		Sandy Red	lox (S5)			1 c	m Muck (A9) (L	RR C)	
Histic Ep	ipedon (A2)		Stripped M	latrix (S6	6)		2 c	m Muck (A10) (LRR B)	
Black His			Loamy Mu	-				=		RD)
ı— '	n Sulfide (A4)		Loamy Gle	•	. ,			•	•	
	Layers (A5) (LRR C	;)	Depleted N		-				` '	
	ck (A9) (LRR D)	(0.44)	Redox Dar					-		
	Below Dark Surface	e (A11)	Depleted D)	Oti	ner (Explain in F	(emarks)	
	rk Surface (A12) ucky Mineral (S1)		Redox Dep	ressions	s (FO)					
	leyed Matrix (S4)	³ Indicators	s of hydronhytic y	enetatio	n and we	tland hy	drology must be pre	sent unless dis	turbed or problem	atic
	· · · · · · · · · · · · · · · · · · ·					T				
Type:	.ayer (if observed):									
Depth (in	ches):		_				Hydric Soil Prese	ent?	Yes N	lo <u>X</u>
Remarks:							,	-		
Remarks.										
HYDROLO	GY									
Wetland Hyd	drology Indicators:									
Primary Indic	ators (minimum of c	ne is require	ed; check all that	apply)			Second	dary Indicators (minimum of two re	equired)
Surface \	Water (A1)		Salt Crust	,			Wa	ater Marks (B1)	(Riverine)	
High Wa	ter Table (A2)		Biotic Crus	t (B12)			Se	diment Deposits	(B2) (Riverine)	
Saturatio	,		Aquatic Inv					ft Deposits (B3)		
	arks (B1) (Nonriveri		Hydrogen		` '			ainage Patterns		
	t Deposits (B2) (Nor	•	Oxidized R	•		-	• • — •	/-Season Water		
· ·	osits (B3) (Nonriver	ine)	Presence		-			ayfish Burrows (•	(CO)
	Soil Cracks (B6) on Visible on Aerial I	maganı (P7)	Recent Iro			lied Solls		allow Aquitard (on Aerial Imagery	(C9)
	ained Leaves (B9)	nagery (b7)	Thin Muck Other (Exp					C-Neutral Test	,	
Field Observ			Other (EXP	iaiii iii i	cmarks)			O-Nediai rest	(00)	
Surface Water		19	No X	Denth (i	nches):					
Water Table		es			nches):					
Saturation Pr					nches):		Wetland Hydro	logy Present?	Yes N	lo X
(includes cap					′ –		, , , ,	3,		
	corded Data (stream	gauge, mon	itoring well, aeria	l photos,	, previous	s inspect	tions), if available:			
	·	-				·	· 			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cour	nty: Morrow	County	Sampling Date:	7/22/22
Applicant/Owner: NextEra Energy			-	State: OR	Sampling Point:	SP-01c
Investigator(s): Jessica Taylor and Katie Pyne		Section, To	ownship, Ran	ge: 1N 28E S28		
Landform (hillside, terrace, etc.): Valley Bottom	L	ocal relief (cor	ncave, convex	k, none): Concave	Slop	e (%):5
Subregion (LRR): LRR B Lat: 45.515199			Long: <u>-1</u>	19.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	ication:	
Are climatic / hydrologic conditions on the site typical fo	r this time of y	ear?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation X , Soil , or Hydrologys	significantly di	sturbed? A	re "Normal Ci	rcumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrologyr	naturally probl	ematic? (If	f needed, exp	lain any answers in Rem	narks.)	
SUMMARY OF FINDINGS – Attach site ma	ap showin	g sampling	point loc	ations, transects,	important feat	ıres, etc.
Hydrophytic Vegetation Present? Yes X No)	Is the	Sampled Are	ea		
			a Wetland?	Yes X	No	
Wetland Hydrology Present? Yes X No						
Remarks:						
Riverine wetland. Area heavily used by livestock.						
VEGETATION – Use scientific names of p	lants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test wor		
1				Number of Dominant : Are OBL, FACW, or F	•	3 (A)
3.				Total Number of Domi		<u> </u>
4.		<u> </u>		Across All Strata:	пан орсою	3 (B)
	=	Total Cover		Percent of Dominant S	•	
Sapling/Shrub Stratum (Plot size: 15)				Are OBL, FACW, or F	AC: <u>10</u>	0.0% (A/B)
1				Prevalence Index wo	wka ba a ti	
2. 3.			_	Total % Cover of		ply by:
4.		·		OBL species 7		70
5.				FACW species 2	0 x 2 =	40
	=	Total Cover		FAC species 0		0
Herb Stratum (Plot size: 5)	00	V	ODI	FACU species 1		40
Oenanthe sarmentosa Lemna minor	30	Yes Yes	OBL OBL	UPL species Column Totals: 10		0 50 (B)
Veronica americana	10	No	OBL	Prevalence Index		
4. Polypogon monspeliensis	20	Yes	FACW			
5. Matricaria discoidea	10	No	FACU	Hydrophytic Vegetat	ion Indicators:	
6				X Dominance Test is		
7.				X Prevalence Index		
8	100 =	Total Cover			aptations ¹ (Provide : s or on a separate s	
Woody Vine Stratum (Plot size:	100 -	Total Cover			ophytic Vegetation ¹	•
1.				¹ Indicators of hydric so	. , .	` ' /
2.				be present, unless dis		
	=	Total Cover	_ [Hydrophytic		
N/ Barra Consumed in Heath Observation 100	O-11-1-1	- 0		Vegetation	V N-	
	Cover of Bioti	U Grust		Present? Yes	<u> </u>	_
Remarks:						

SOIL Sampling Point: SP-01c

	• •	to the depth		u ment th x Featur		ator or c	onfirm the absence o	t indicators.)
Depth (inches)	Matrix Color (moint)	<u> </u>				Loc ²	Toyturo	Pomorko
(inches)	Color (moist)		Color (moist)	%	Type ¹	LOC	Texture very fine silt loam	Remarks
0-16	2.5Y 2.5/1	100						
		. — –						
		. —— –						
	oncentration, D=Dep					oated Sa		tion: PL=Pore Lining, M=Matrix.
	ndicators: (Application	able to all LF	•		oted.)			s for Problematic Hydric Soils ³ :
Histosol			Sandy Red					Muck (A9) (LRR C)
	ipedon (A2)		Stripped M		-			Muck (A10) (LRR B)
Black His			Loamy Mu	-				Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle					ced Vertic (F18)
	Layers (A5) (LRR (C)	Depleted N		,			Parent Material (F21)
	ck (A9) (LRR D)	(4.44)	Redox Dar					Shallow Dark Surface (F22)
	Below Dark Surfac	e (A11)	Depleted [)	Other	(Explain in Remarks)
	rk Surface (A12)		Redox Dep	pressions	s (F8)			
	ucky Mineral (S1)	31		4 - 4!		41 1 1		-tl distante d'annochile d'a
	leyed Matrix (S4)		s or nyaropnytic v	egetatio	n and we	eliand ny	arology must be preser	nt, unless disturbed or problematic.
	ayer (if observed)							
Type:			_					
Depth (in	ches):		_				Hydric Soil Present	? Yes X No
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
_	ators (minimum of		ed; check all that	apply)			Secondar	y Indicators (minimum of two required)
X Surface \	Water (A1)		Salt Crust	(B11)			Water	Marks (B1) (Riverine)
High Wat	ter Table (A2)		Biotic Crus	st (B12)			Sedim	nent Deposits (B2) (Riverine)
X Saturatio	n (A3)		Aquatic In	vertebrat	es (B13)		Drift D	Deposits (B3) (Riverine)
Water Ma	arks (B1) (Nonriver	ine)	X Hydrogen	Sulfide C	Odor (C1))	Draina	age Patterns (B10)
Sedimen	t Deposits (B2) (No	nriverine)	Oxidized F	Rhizosph	eres on l	_iving Ro	oots (C3) Dry-S	eason Water Table (C2)
Drift Dep	osits (B3) (Nonrive	rine)	Presence	of Reduc	ed Iron ((C4)	Crayfi	sh Burrows (C8)
	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soils	s (C6)Satura	ation Visible on Aerial Imagery (C9)
Inundatio	n Visible on Aerial I	magery (B7)	Thin Muck	Surface	(C7)		Shallo	ow Aquitard (D3)
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		<u>X</u> FAC-1	Neutral Test (D5)
Field Observ	vations:							
Surface Water	er Present? You	es X			nches):			
Water Table		es			nches): _			
Saturation Pr	resent? Ye	es X	No	Depth (i	nches):	0	Wetland Hydrolog	gy Present? Yes X No
(includes cap								
Describe Red	corded Data (stream	ı gauge, mon	itoring well, aeria	l photos,	previous	s inspec	tions), if available:	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Coun	nty: Morrow	County	Sampling Date:	7/22/22
Applicant/Owner: NextEra Energy			'	State: OR	Sampling Point:	SP-01d
Investigator(s): Jessica Taylor and Katie Pyne		Section, To	ownship, Ran	ge: 1N 28E S28		
Landform (hillside, terrace, etc.): Valley Bottom	L	ocal relief (con	ncave, convex	x, none): Concave	Slop	oe (%):5
Subregion (LRR): LRR B Lat: 45.515199			Long: -1	19.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	ication:	
Are climatic / hydrologic conditions on the site typical fo	r this time of	/ear?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation , Soil X , or Hydrology	ignificantly di	sturbed? Ar	re "Normal Ci	rcumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrologyr	naturally prob	ematic? (If	needed, exp	lain any answers in Rem	<u></u>	
SUMMARY OF FINDINGS – Attach site ma			point loc	ations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes No	. X	Is the	Sampled Are	a		
	X		a Wetland?	Yes	No X	
Wetland Hydrology Present? Yes No	X					
Remarks:		<u>-</u>				
Upland plot. Area heavily used by livestock.						
VEGETATION – Use scientific names of p						
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test wo	rkshoot:	
1. (Flot size)	% Cover	Species?	Status	Number of Dominant		
2.			_	Are OBL, FACW, or F	•	0 (A)
3. 4.				Total Number of Dom Across All Strata:	inant Species	2 (B)
··		Total Cover		Percent of Dominant	Species That	(5)
Sapling/Shrub Stratum (Plot size: 15				Are OBL, FACW, or F	•	.0% (A/B)
1						
2.				Prevalence Index wo		
3.				Total % Cover of		iply by:
4) x 1 =) x 2 =	0
5	 -	Total Cover				60
Herb Stratum (Plot size: 5)		Total Gover		FACU species (0
1. Bassia scoparia	10	No	FAC	UPL species 9		150
Taeniatherum caput-medusae	40	Yes	UPL	Column Totals: 11		510 (B)
3. Bromus tectorum	40	Yes	UPL	Prevalence Index		
4. Centromadia pungens	10	No	FAC			
5. Hieracium cynoglossoides	10	No	UPL	Hydrophytic Vegetat	ion Indicators:	
6.				Dominance Test i	s >50%	
7				Prevalence Index		
8			<u>.</u>		aptations ¹ (Provide	
	110 =	Total Cover			s or on a separate s	,
Woody Vine Stratum (Plot size:)				Problematic Hydro	ophytic Vegetation ¹	(Explain)
1. 2.				¹ Indicators of hydric se be present, unless dis		
		Total Cover		Hydrophytic	p	-
				Vegetation		
% Bare Ground in Herb Stratum 10 %	Cover of Bioti	c Crust		Present? Yes	No X	
Remarks:			•			

SOIL Sampling Point: SP-01d

Profile Desc Depth	ription: (Describe Matrix	to the dept		ument tl x Featur		ator or c	onfirm the absence	of indicators.)		
(inches)	Color (moist)	%	Color (moist)	% realur	Type ¹	Loc ²	Texture		Remarks	
0-16	10YR 3/3	100	Solot (Illolot)		. , po		fine silt loam		5	
0-10	101103/3	100								
	-							-		
			_							
	-							-		
¹ Type: C=Co	ncentration, D=Dep	oletion, RM=	Reduced Matrix, C	CS=Cove	ered or C	oated Sa	and Grains. ² Loca	ation: PL=Pore l	_ining, M=Ma	trix.
Hydric Soil I	ndicators: (Applic	able to all L	RRs, unless othe	erwise n	oted.)		Indicato	rs for Problema	tic Hydric So	oils³:
Histosol ((A1)		Sandy Red	dox (S5)			1 cm	Muck (A9) (LRF	R C)	
Histic Ep	ipedon (A2)		Stripped M	-	-		2 cm	Muck (A10) (LR	RB)	
Black His			Loamy Mu	•	, ,			Manganese Mas		RR D)
l— ' "	Sulfide (A4)		Loamy Gle	-				uced Vertic (F18)		
	Layers (A5) (LRR (C)	Depleted N		-			Parent Material (,	
	ck (A9) (LRR D)	(4.44)	Redox Dar					Shallow Dark Su		
	Below Dark Surfac	e (A11)	Depleted [)	Othe	r (Explain in Ren	narks)	
	rk Surface (A12)		Redox Dep	oression	s (F8)					
	ucky Mineral (S1) eyed Matrix (S4)	³ Indicator	re of hydrophytic y	egetatio	n and we	tland hy	drology must be prese	ant unless distur	hed or proble	matic
	· · · · · · · · · · · · · · · · · · ·		- Is of Hydrophytic v	egetatio	ii and we	tiand ny	urology must be prese	erit, uriless distui	bed of proble	mano.
	.ayer (if observed)	•								
Type: _ Depth (in	chee).						Hydric Soil Presen	+2	Yes	No X
Remarks:							Tiyane don't resen			<u> </u>
HYDROLO	GY									
Wetland Hyd	Irology Indicators:									
Primary Indic	ators (minimum of	one is requir	ed; check all that	apply)			Seconda	ry Indicators (mi	nimum of two	required)
Surface V	Vater (A1)		Salt Crust	,				er Marks (B1) (Ri		
	er Table (A2)		Biotic Crus					ment Deposits (E)
Saturatio	` '		Aquatic In					Deposits (B3) (R		
	arks (B1) (Nonriver		Hydrogen		, ,			nage Patterns (B	-	
	t Deposits (B2) (No	•	Oxidized F			-	· / ·	Season Water Ta		
· ·	osits (B3) (Nonrive	rine)	Presence					fish Burrows (C8		m. (CO)
	Soil Cracks (B6) n Visible on Aerial I	Imaganı (D7	Recent Iro			lied Solls		ration Visible on low Aquitard (D3	_	ry (C9)
	ained Leaves (B9)	illiagery (D7)Thin Muck Other (Exp					เอพ Aquitaru (D3 -Neutral Test (D5	•	
Field Observ			Other (Exp	naiii iii iv	emarks)			-Neutiai Test (DC) 	
Surface Water		es	No	Denth (i	nches):					
Water Table		es es			nches):					
Saturation Pr		es es			nches):		Wetland Hydrolo	gy Present?	Yes	No X
(includes cap				1 (.						
,	orded Data (stream	n gauge, mo	nitoring well, aeria	l photos	, previous	s inspect	tions), if available:			
Remarks:										
. tomanto.										
Ī										

Project/Site: Wheatridge East		City/County: Morroy	w County	Sampling Date	e: 7/22/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point	t: SP-01e
Investigator(s): Jessica Taylor and Katie Pyne	S	ection, Township, Ra	ange: 1N 28E S28	-	
Landform (hillside, terrace, etc.): Valley Bottom	Local	relief (concave, conv	ex, none): Concave	SI	lope (%): 5
Subregion (LRR): LRR B Lat: 45.5151			-119.309242		n: NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				fication:	-
Are climatic / hydrologic conditions on the site typic	al for this time of year?	Vos. V	No (If no, ex		
	-		<u> </u>		
Are Vegetation X , Soil , or Hydrology			Circumstances" present?		NO
Are Vegetation, Soil, or Hydrology			xplain any answers in Rer		
SUMMARY OF FINDINGS – Attach site	map showing sa	mpling point lo	cations, transects,	important fea	itures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the Sampled A	rea		
Hydric Soil Present? Yes X	No	within a Wetland	? Yes X	No	
Wetland Hydrology Present? Yes X	No				
Remarks:		-			
Riverine wetland. Area heavily used by livestock.					
VEGETATION – Use scientific names	of plants.				
Trans Christians (Districts 20)		minant Indicator	Daminana Tastuus		
<u>Tree Stratum</u> (Plot size: 30) 1. Salix fragilis		ecies? Status Yes UPL	Dominance Test wo		
2.		012	Number of Dominant Are OBL, FACW, or I	•	2 (A)
3.			Total Number of Don		(/,/
4.	<u> </u>		Across All Strata:	illiant Species	4 (B)
	10 =Tota	Cover	Percent of Dominant	Species That	``_
Sapling/Shrub Stratum (Plot size: 15)		Are OBL, FACW, or I	•	50.0% (A/B)
1	<u> </u>				
2.			Prevalence Index w	orksheet:	
3			Total % Cover o	f: Mı	ultiply by:
4			OBL species	70 x 1 =	70
5				0 x 2 =	0
	=Tota	Cover		0 x 3 =	0
Herb Stratum (Plot size: 5)	20			0 x 4 =	0
Oenanthe sarmentosa		Yes OBL	· —	30 x 5 =	150 (B)
Lemna minor Veronica americana		Yes OBL No OBL	Column Totals: 1 Prevalence Index		220 (B)
Onopordum acanthium		Yes UPL	Frevalence index	- B/A	
		012	Hydrophytic Vegeta	tion Indicators:	
6			Dominance Test		
7.			X Prevalence Index		
8.			Morphological Ac	daptations ¹ (Provid	e supporting
	90 =Tota	Cover	data in Remark	ks or on a separate	e sheet)
Woody Vine Stratum (Plot size:)		Problematic Hydr	ophytic Vegetation	n ¹ (Explain)
1			¹ Indicators of hydric s	oil and wetland hy	/drology must
2			be present, unless di		
	=Tota	Cover	Hydrophytic		
			Vegetation		
% Bare Ground in Herb Stratum 10	% Cover of Biotic Cru	st	Present? Yes	No	
Remarks:					

SOIL Sampling Point: SP-01e

Profile Desc Depth	ription: (Describe t Matrix	o the dept		ument ti x Featu		itor or c	onfirm the absence o	of indicators.)			
(inches)	Color (moist)	<u></u> %	Color (moist)	% realu	Type ¹	Loc ²	Texture	Remarks			
0-16	10YR 2/1	100	35.5. (1113101)		. , , , ,		silty clay	Nomano			
16-18	10YR 2/1	95	2.5Y 4/3	5	C	M		Distinct redox concentrations			
10-10	10111 2/1	33	2.01 4/3		<u> </u>	IVI	silty clay	DISTILLET LEGAY COLICELITISTICIS			
<u> </u>								_			
	oncentration, D=Depl					oated Sa		ation: PL=Pore Lining, M=Matrix.			
	Indicators: (Applica	ble to all L	•		•			rs for Problematic Hydric Soils ³ :			
Histosol			Sandy Red					Muck (A40) (LRR C)			
Black His	ipedon (A2)		Stripped M Loamy Mu	-	-			Muck (A10) (LRR B) Manganese Masses (F12) (LRR D)			
	n Sulfide (A4)		Loamy Gle	-	. ,			• , , , ,			
	Layers (A5) (LRR C	١	Depleted N				Reduced Vertic (F18) Red Parent Material (F21)				
	ck (A9) (LRR D)	,	Redox Dar	•	•		Very Shallow Dark Surface (F22)				
	Below Dark Surface	(A11)	Depleted D				`				
	rk Surface (A12)	,	Redox Dep					,			
	ucky Mineral (S1)		 ·		,						
Sandy G	leyed Matrix (S4)	³ Indicator	s of hydrophytic v	egetatio	n and we	tland hy	drology must be prese	nt, unless disturbed or problematic.			
Restrictive L	_ayer (if observed):										
Туре:	,		<u></u>								
Depth (in	iches):						Hydric Soil Present	? Yes <u>X</u> No			
Remarks:											
HYDROLO	GY										
Wetland Hyd	drology Indicators:										
	cators (minimum of o	ne is require	ed; check all that	apply)			Secondar	ry Indicators (minimum of two required)			
	Water (A1)		Salt Crust	` ,				r Marks (B1) (Riverine)			
	ter Table (A2)		Biotic Crus					ment Deposits (B2) (Riverine)			
X Saturatio	` '		Aquatic Inv					Deposits (B3) (Riverine)			
	arks (B1) (Nonriverii		X Hydrogen		, ,			age Patterns (B10)			
	t Deposits (B2) (Non	-	Oxidized F			_		Season Water Table (C2)			
· ·	osits (B3) (Nonriveri Soil Cracks (B6)	ne)	Presence of					ish Burrows (C8)			
	Soil Cracks (B6) on Visible on Aerial In	nagony (B7)	Recent Iro Thin Muck			ilea Soils		ration Visible on Aerial Imagery (C9) ow Aquitard (D3)			
	ained Leaves (B9)	lagery (b7)	Other (Exp					Neutral Test (D5)			
Field Observ	. ,		Other (Exp	nulli III I	terriarito)		<u> </u>	rtediai rest (Bo)			
Surface Water		s	No X	Depth (i	inches):	0					
Water Table				Depth (i	′ –	5					
Saturation Pr		s X		. ,	inches):	0	Wetland Hydrolog	gy Present? Yes X No			
(includes cap				' \	′ –		, , , , , , , , , , , , , , , , , , , ,	<u></u>			
	corded Data (stream	gauge, mor	nitoring well, aeria	l photos	, previous	s inspec	tions), if available:				
_											
Remarks:											

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Investigator(s): Jessica Taylor and Katle Pyne Section, Township, Range: 1N 28E 528 Landform (hillside, terrace, etc.): Valley Bottom	/22
Local relief (concave, convex, none): Concave Slope (%):	P-01f
Soli Map Unit Name: 35. Onyx Silt Loam	
Soil Map Unit Name: 35: Onyx Silt Loam	: 5
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation Soil On Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation Soil On Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Wetland Hydrology Present? Yes No X Within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Wetland Hydrology Present Hydrology P)83
Are Vegetation, SoilX _ or Hydrology significantly disturbed?	
Are Vegetation, SoilX _ or Hydrology significantly disturbed?	
Are Vegetation	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, Hydrophytic Vegetation Present? Yes No X Wetland Hydrology Present? Yes No X Wetland Plot Area heavily used by livestock. VEGETATION – Use scientific names of plants. VEGETATION – Ves _ No X	_
Wetland Hydrology Present? Yes	etc.
Wetland Hydrology Present? Yes	
Number of Dominant Species That Are OBL, FACW, or FAC: 1 1 1 2 3 3	
VEGETATION - Use scientific names of plants.	
Number of Dominant Species That Are OBL, FACW, or FAC:	
Tree Stratum	
Number of Dominant Species That Are OBL, FACW, or FAC: 1 Total Number of Dominant Species Across All Strata: 2 Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0%	
Total Number of Dominant Species Across All Strata: 2 Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0%	(4)
Across All Stratus 2 Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0%	_(A)
Sapling/Shrub Stratum (Plot size: 15) Are OBL, FACW, or FAC: 50.0%	(B)
Total % Cover of: Multiply by: OBL species O	_(A/B)
4. OBL species 0 x 1 = 0 5. =Total Cover FACW species 0 x 2 = 0 Herb Stratum (Plot size: 5) FAC species 30	
FACW species O x 2 = 0	<u> </u>
Total Cover	_
Herb Stratum (Plot size: 5) 10 No FAC FACU species 15 x 4 = 60 1. Equisetum arvense 10 No FAC UPL species 50 x 5 = 250 2. Taeniatherum caput-medusae 50 Yes UPL Column Totals: 95 (A) 400 3. Achillea millefolium 15 No FACU Prevalence Index = B/A = 4.21 4. Medicago lupulina 20 Yes FAC Hydrophytic Vegetation Indicators:	_
1. Equisetum arvense 10 No FAC UPL species 50 x 5 = 250 2. Taeniatherum caput-medusae 50 Yes UPL Column Totals: 95 (A) 400 3. Achillea millefolium 15 No FACU Prevalence Index = B/A = 4.21 4. Medicago lupulina 20 Yes FAC Hydrophytic Vegetation Indicators: 5.	_
3. Achillea millefolium 15 No FACU Prevalence Index = B/A = 4.21 4. Medicago lupulina 20 Yes FAC 5. Hydrophytic Vegetation Indicators: Dominance Test is >50% 	_
4. Medicago lupulina 20 Yes FAC 5. Hydrophytic Vegetation Indicators: Dominance Test is >50%	(B)
5. Hydrophytic Vegetation Indicators: 6. Dominance Test is >50%	_
6Dominance Test is >50%	
Providence Index is <2.01	
7 Prevalence Index is ≤3.0¹ 8 Morphological Adaptations¹ (Provide support	rtina
95 =Total Cover data in Remarks or on a separate sheet)	
Woody Vine Stratum (Plot size:) Problematic Hydrophytic Vegetation ¹ (Explai	ain)
1 Indicators of hydric soil and wetland hydrology n	must
-Total Cover	
Nydrophytic Vegetation	
% Bare Ground in Herb Stratum 10 % Cover of Biotic Crust Present? Yes No X	
Remarks:	

SOIL Sampling Point: SP-01f

Profile Desc Depth	cription: (Describe of Matrix	to the dep		u ment tl ox Featur		tor or c	confirm the	absence of indi	cators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure	Remarks	
0-16	10YR 3/2	100	Garar (maiat)		.) 0		silt loa			
0-10	1011372	100								
							-			
1Type: C=C	oncentration, D=Dep	etion RM-	-Peduced Matrix (ered or C	nated S	and Grains	² Location: 1	PL=Pore Lining, M=N	/atriv
	Indicators: (Applica					valeu 3	and Grains.		Problematic Hydric	_
Histosol		bic to air E	Sandy Red		otou.,				(A9) (LRR C)	00110 .
	ipedon (A2)		Stripped M		3)				(A10) (LRR B)	
Black His			Loamy Mu	•	•				nese Masses (F12) (I RR D)
	n Sulfide (A4)		Loamy Gle	-				Reduced Ve		LIKIK D)
	Layers (A5) (LRR C	3	Depleted N						Material (F21)	
	ck (A9) (LRR D)	,	Redox Dai	,	,				w Dark Surface (F22	')
	Below Dark Surface	(Δ11)	Depleted [ain in Remarks)	•)
	rk Surface (A12)	, (, (, 1, 1,)	Redox De					Otrici (Expir	am m remarko)	
	ucky Mineral (S1)		rtedex Be	310001011	3 (1 0)					
	leyed Matrix (S4)	3Indicato	ors of hydrophytic y	egetatio	n and we	tland hy	drology mus	t be present unl	ess disturbed or prob	olematic
	Layer (if observed):			-3			3,			
Type:	Layer (ii observeu).									
Depth (in	iches).						Hydric So	il Present?	Yes	No X
Remarks:							- Tryuno Co			<u> </u>
HYDROLC	GY									
_	drology Indicators:									
-	cators (minimum of o	ne is requi						-	cators (minimum of to	wo required)
	Water (A1)		Salt Crust	` '					s (B1) (Riverine)	
	ter Table (A2)		Biotic Crus						eposits (B2) (Riverin	ne)
Saturation	` '		Aquatic In						ts (B3) (Riverine)	
	arks (B1) (Nonriveri		Hydrogen				. (00)		atterns (B10)	
	t Deposits (B2) (Nor		Oxidized F			•	oots (C3)	 ·	Water Table (C2)	
	osits (B3) (Nonriver	ine)	Presence		,	,	- (00)	Crayfish Bu	` '	(00)
	Soil Cracks (B6)	(D.	Recent Iro			lled Soil	s (C6)		/isible on Aerial Imag	gery (C9)
	on Visible on Aerial Ir	nagery (B <i>r</i>	· —		` '			Shallow Aqu		
	tained Leaves (B9)		Other (Exp	plain in R	emarks)			FAC-Neutra	ai rest (D5)	
Field Obser										
Surface Wat			No		nches):					
Water Table					nches): _					
Saturation P		s	No	Depth (i	nches): _		Wetland	d Hydrology Pre	sent? Yes	No X
(includes car	· · ·									
Describe Red			unitarina wall aaria	I photos	. previous	s inspec	tions), if avai	ılable:		
Docombo i to	corded Data (stream	gauge, mo	onitoring well, aeria	i priotoc	, 1		•			
Remarks:	corded Data (stream	gauge, mo	ormoring well, aeria	риосоо		•	,			
	corded Data (stream	gauge, mo	omtoring well, aeria	- риосос	-	<u> </u>				
	corded Data (stream	gauge, mo	mitoring well, aena	риосос		<u> </u>	<u> </u>			

Project/Site: Wheatridge East		City/County:	Morrow C	ounty	Sa	ampling Da	ite: 7/22	2/22
Applicant/Owner: NextEra Energy				•		mpling Po		P-02a
Investigator(s): Jessica Taylor and Katie Pyne	S	Section, Town	ship, Rang	e: 1N 28E S3	3			
Landform (hillside, terrace, etc.): Valley Bottom			-	none): Cond			Slope (%)): 5
Subregion (LRR): LRR B Lat: 45.515199				9.309242			ım: NAE	
Soil Map Unit Name: 35: Onyx Silt Loam			J		classification			
Are climatic / hydrologic conditions on the site typical for	his time of year?	Yes	s X					
Are Vegetation, Soil, or Hydrologysig	_			cumstances" pre				
Are Vegetation , Soil , or Hydrology na				ain any answers i				_
SUMMARY OF FINDINGS – Attach site maj				•		,	eatures	, etc.
		<u> </u>		<u> </u>				
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No		within a V	mpled Area		~	No		
Wetland Hydrology Present? Yes X No		Willillia	wellanu :	res	X	No		
Remarks:		<u> </u>						
Riverine wetland								
VEGETATION - Use scientific names of pla	ants.							
			dicator					
Tree Stratum (Plot size: 30) 1.	% Cover Sp	ecies? S	Status_	Dominance Te				
2.				Number of Dom Are OBL, FACV	•	eles i nat	3	(A)
3. 4.				Total Number of Across All Strat		Species	3	(B)
	=Tota	l Cover		Percent of Dom	ninant Spec	ies That		_ ` `
Sapling/Shrub Stratum (Plot size: 15)				Are OBL, FACV	V, or FAC:	_	100.0%	_ (A/B)
1								
2				Prevalence Inc			N 4 - 14 : 1 1 1	
3				Total % Co	50	x 1 =	Multiply by 50	y:
5.				FACW species		_	100	_
·	=Tota	l Cover		FAC species		_ x3=		_
Herb Stratum (Plot size: 5)				FACU species		x 4 =	0	_
Oenanthe sarmentosa	30	Yes	OBL	UPL species	0	x 5 =	0	
2. Juncus balticus	30	Yes F	ACW	Column Totals:	100	(A)	150	(B)
3. Veronica americana	10	No	OBL	Prevalence	Index = B/	A =	1.50	_
4. Juncus occidentalis	20	Yes F	ACW					
5. Mimulus guttatus	10	No	OBL	Hydrophytic V	egetation I	ndicators		
6				X Dominance				
7				X Prevalence				
8				Morphologi				
	100=Tota	l Cover			temarks or			
Woody Vine Stratum (Plot size:)				Problemation	, , ,	Ū		,
1				¹ Indicators of hybe present, unle				must
-··	=Tota	l Cover	—	•	Jos Gistui De	or propr	Jillaul.	
-				Hydrophytic Vegetation				
% Bare Ground in Herb Stratum 10 % C	over of Biotic Cru	ust		Present?	Yes_X	No		
Remarks:								

SOIL Sampling Point: SP-02a

		to the dept				tor or c	onfirm the absence	of indicators.)	
Depth (inches)	Matrix Color (moist)	<u></u> %		K Featur		Loc ²	Toytura		Domorko	
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	LUC	Texture		Remarks	
0-16	10YR 2/1	100					fine silt loam			
								<u> </u>		
								<u> </u>		
							-	<u> </u>		
							-			
										
1										
	ncentration, D=Dep					oated Sa		cation: PL=Por		•
_	ndicators: (Applica	ible to all L	•		oted.)			ors for Probler	-	ioils":
Histosol (•		Sandy Red					m Muck (A9) (L		
	pedon (A2)		Stripped Ma	`	,			m Muck (A10) (
Black His			Loamy Muc	-				-Manganese M		RR D)
	Sulfide (A4)		Loamy Gle					luced Vertic (F	,	
	Layers (A5) (LRR C	•)	Depleted M					Parent Materia	` '	
	ck (A9) (LRR D)	(444)	Redox Dark		. ,			y Shallow Dark	, ,	
	Below Dark Surface	e (A11)	Depleted D				Oth	er (Explain in R	temarks)	
	rk Surface (A12)		Redox Dep	ressions	S (F8)					
	ucky Mineral (S1)	3Indicator	a of hydrophytic y	agototio	a and wa	tland by	dralagy must be pres	ont unloss dis	turbad ar probl	omotio
	eyed Matrix (S4)		s of flydropflytic ve	getatio	i and we	lianu ny	drology must be pres	serit, uriless dis	turbed or proble	еттанс.
	ayer (if observed):									
Type:			_							
Depth (in	ches):						Hydric Soil Prese	nt?	Yes X	No
HYDROLO	GY									
Wetland Hyd	Irology Indicators:									
Primary Indic	ators (minimum of o	ne is require	ed; check all that a	pply)			Second	ary Indicators (minimum of tw	o required)
X Surface V	Vater (A1)		Salt Crust (B11)			Wa	ter Marks (B1)	(Riverine)	
High Wat	er Table (A2)		Biotic Crus	t (B12)			Sec	liment Deposits	(B2) (Riverine	e)
Saturatio	n (A3)		Aquatic Inv	ertebrat	es (B13)		Drif	t Deposits (B3)	(Riverine)	
Water Ma	arks (B1) (Nonriveri	ne)	X Hydrogen S	Sulfide C	odor (C1)		Dra	inage Patterns	(B10)	
	Deposits (B2) (Nor	•	Oxidized R			_	• • -	-Season Water	. ,	
	osits (B3) (Nonriver	ine)	Presence o		,	•		yfish Burrows (
	Soil Cracks (B6)		Recent Iron			led Soils		uration Visible o	_	ery (C9)
	n Visible on Aerial Ir	magery (B7)						ıllow Aquitard (I	•	
Water-St	ained Leaves (B9)		Other (Expl	ain in R	emarks)		<u>X</u> FAC	C-Neutral Test ((D5)	
Field Observ	ations:									
Surface Water		s X			nches):					
Water Table		es			nches): _					
Saturation Pr		es	No	Depth (i	nches):		Wetland Hydrol	ogy Present?	Yes X	No
(includes cap	<u> </u>						1			
Describe Rec	orded Data (stream	gauge, mor	nitoring well, aerial	photos,	previous	inspec	tions), if available:			
Remarks:										

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	S	ampling Da	te: 7/22	2/22
Applicant/Owner: NextEra Energy		_ ′	-			ampling Po		P-02b
Investigator(s): Jessica Taylor and Katie Pyne		Section, T	ownship, Ran	ge: 1N 28E S33				
Landform (hillside, terrace, etc.): Valley Bottom	L			k, none): Conc			Slope (%): 5
Subregion (LRR): LRR B Lat: 45.515199		•		19.309242			m: NAI	
Soil Map Unit Name: 35: Onyx Silt Loam						on:		
Are climatic / hydrologic conditions on the site typical	for this time of v	rear?	Yes X					
Are Vegetation, Soil, or Hydrology	-			rcumstances" pres				
Are Vegetation, Soil, or Hydrology	_			lain any answers i				
SUMMARY OF FINDINGS – Attach site i	 '		·	•		,	eatures	, etc.
Hydrophytic Vogotation Procent? Voc	No. Y	ls the	Sampled Are	<u> </u>				
	No X No X		Sampled Are n a Wetland?			No X		
	No X		ir a vvoliana.	100		<u> </u>		
Remarks:		<u> </u>						
Upland plot								
VEGETATION – Use scientific names of	plants.							
To a Objection (District 200	Absolute	Dominant	Indicator	D T.	-4	4-		
Tree Stratum (Plot size: 30) 1.	% Cover	Species?	<u>Status</u>	Dominance Te				
2.				Number of Dom Are OBL, FACV		nes mai	0	(A)
3.	_			Total Number o	f Dominan	t Species		
4				Across All Strat	a:	_	1	(B)
Open line of Objects to the Control of Contr		Total Cover		Percent of Dom		ies That	0.00/	(A /D)
Sapling/Shrub Stratum (Plot size: 15 1.	_)			Are OBL, FACV	V, or FAC:	-	0.0%	_ (A/B)
2.				Prevalence Inc	ex worksi	neet:		
3.				Total % Co			Multiply by	y:
4.				OBL species	0	x 1 =	0	
5.	_			FACW species	0	x 2 =	0	
	=	Total Cover		FAC species		_ x 3 = _	30	_
Herb Stratum (Plot size: 5)	4.5			FACU species		_ ×4=_	40	_
Taeniatherum caput-medusae Centaurea diffusa	<u>15</u>	No No	UPL UPL	UPL species Column Totals:		_ x 5 = _ (A)	350 420	— (B)
Bromus tectorum	50	Yes	UPL	Prevalence		_ ` ` -	4.67	_(b)
Centromadia pungens	10	No	FAC					_
5. Achillea millefolium	10	No	FACU	Hydrophytic Vo	getation	ndicators:		
6.				Dominance	Test is >5	0%		
7	_			Prevalence				
8				Morphologi				
Marchalfine Obstance (Blataire		Total Cover				on a separ		
Woody Vine Stratum (Plot size:	_)			Problemation		•		,
1	_			¹ Indicators of hy be present, unle				must
	=	Total Cover		Hydrophytic		- p.c.si		
				Vegetation				
% Bare Ground in Herb Stratum 10	% Cover of Biotic	c Crust		Present?	Yes	No_	X	
Remarks:			<u> </u>					

SOIL Sampling Point: SP-02b

Depth	Matrix	Redo	x Features			
(inches)	Color (moist) %	Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/2 100				silt loam	
0-10	1011(4/2 100					
	ncentration, D=Depletion, RM			Coated Sa		ion: PL=Pore Lining, M=Matrix.
_	ndicators: (Applicable to all		•			for Problematic Hydric Soils ³ :
Histosol (,	Sandy Red				Muck (A9) (LRR C)
	pedon (A2)	Stripped M	, ,			Muck (A10) (LRR B)
Black Hist	` '		cky Mineral (F1)			anganese Masses (F12) (LRR D)
Hydrogen	Sulfide (A4)	Loamy Gle	yed Matrix (F2)		Reduc	ed Vertic (F18)
Stratified	Layers (A5) (LRR C)	Depleted M	1atrix (F3)		Red P	arent Material (F21)
1 cm Muc	k (A9) (LRR D)	Redox Dar	k Surface (F6)		Very S	hallow Dark Surface (F22)
Depleted	Below Dark Surface (A11)	Depleted D	ark Surface (F7	·)	Other	(Explain in Remarks)
Thick Dar	k Surface (A12)	Redox Dep	ressions (F8)			
Sandy Mu	icky Mineral (S1)					
Sandy Gle	eyed Matrix (S4) ³ Indicat	tors of hydrophytic ve	egetation and w	etland hy	drology must be presen	t, unless disturbed or problematic.
Restrictive L	ayer (if observed):					
Type:						
Depth (ind	ches):				Hydric Soil Present?	Yes No X
HADBULU	GY.					
HYDROLO						
Wetland Hyd	rology Indicators:	urad: chack all that a	opply)		Socondan	Undicators (minimum of two required)
Wetland Hyd	rology Indicators: ators (minimum of one is requ					Indicators (minimum of two required)
Wetland Hyd Primary Indica Surface V	rology Indicators: ators (minimum of one is requ /ater (A1)	Salt Crust ((B11)		Water	Marks (B1) (Riverine)
Wetland Hyd Primary Indica Surface W High Wate	rology Indicators: ators (minimum of one is requ vater (A1) er Table (A2)	Salt Crust (Biotic Crus	(B11) t (B12))	Water Sedim	Marks (B1) (Riverine) ent Deposits (B2) (Riverine)
Wetland Hyd Primary Indica Surface W High Wate Saturation	rology Indicators: ators (minimum of one is requ Vater (A1) er Table (A2) n (A3)	Salt Crust (Biotic Crus Aquatic Inv	(B11) t (B12) vertebrates (B13		Water Sedim Drift D	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
Wetland Hyd Primary Indica Surface W High Wate Saturation Water Ma	rology Indicators: ators (minimum of one is requ /ater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1	1)	Water Sedim Drift D	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
Wetland Hyd Primary Indica Surface W High Wate Saturation Water Ma Sediment	rology Indicators: ators (minimum of one is requester (A1) er Table (A2) n (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on	l) Living Ro		Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2)
Wetland Hyd Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo	rology Indicators: ators (minimum of one is requester (A1) er Table (A2) n (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron	I) Living Ro (C4)		Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8)
Wetland Hyd Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo	rology Indicators: ators (minimum of one is requestators (Mater (A1)) er Table (A2) a (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o	(B11) t (B12) rertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron on Reduction in T	I) Living Ro (C4)		Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9)
Wetland Hyd Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo	rology Indicators: ators (minimum of one is requivater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) a Visible on Aerial Imagery (B	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron n Reduction in T Surface (C7)	I) Living Ro (C4) Tilled Soils		Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3)
Wetland Hyd Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta	rology Indicators: ators (minimum of one is requerter (A1) er Table (A2) n (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) n Visible on Aerial Imagery (Entired Leaves (B9)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck	(B11) t (B12) rertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron on Reduction in T	I) Living Ro (C4) Tilled Soils		Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9)
Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta	rology Indicators: ators (minimum of one is required (A1) er Table (A2) n (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) n Visible on Aerial Imagery (Bained Leaves (B9) ations:	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron on Reduction in T Surface (C7) lain in Remarks	I) Living Ro (C4) Tilled Soils		Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3)
Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water	rology Indicators: ators (minimum of one is requivater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) oil Cracks (B6) n Visible on Aerial Imagery (Bained Leaves (B9) ations: r Present? Yes	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence co Recent Iror Thin Muck Other (Exp	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on f Reduced Iron n Reduction in T Surface (C7) lain in Remarks Depth (inches):	I) Living Ro (C4) Tilled Soils		Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3)
Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water	rology Indicators: ators (minimum of one is requivater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) n Visible on Aerial Imagery (Bained Leaves (B9) ations: r Present? Yes Present? Yes	Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence (Recent Iror Thin Muck Other (Exp	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on f Reduced Iron n Reduction in T Surface (C7) lain in Remarks Depth (inches):	I) Living Ro (C4) Tilled Soils	Water Sedim Drift D Draina Drots (C3) Crayfis S (C6) Satura Shallo FAC-N	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3) leutral Test (D5)
Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water Saturation Press	rology Indicators: ators (minimum of one is requivater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) a Visible on Aerial Imagery (Bained Leaves (B9) ations: ar Present? Present? Yes esent? Yes	Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence (Recent Iror Thin Muck Other (Exp	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on f Reduced Iron n Reduction in T Surface (C7) lain in Remarks Depth (inches):	I) Living Ro (C4) Tilled Soils		Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3) leutral Test (D5)
Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water Water Table F Saturation Pre (includes capi	rology Indicators: ators (minimum of one is requivater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) a Visible on Aerial Imagery (Bained Leaves (B9) ations: ar Present? Present? Yes Sesent? Ves Illary fringe)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron on Reduction in T Surface (C7) lain in Remarks Depth (inches): Depth (inches):	Living Ro (C4) "illed Soils	Water Sedim Drift D Draina Drots (C3) Dry-Se Crayfis S (C6) Satura Shallo FAC-N Wetland Hydrolog	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3) leutral Test (D5)
Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water Water Table F Saturation Pre (includes capi	rology Indicators: ators (minimum of one is requivater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) a Visible on Aerial Imagery (Bained Leaves (B9) ations: ar Present? Present? Yes esent? Yes	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron on Reduction in T Surface (C7) lain in Remarks Depth (inches): Depth (inches):	Living Ro (C4) "illed Soils	Water Sedim Drift D Draina Drots (C3) Dry-Se Crayfis S (C6) Satura Shallo FAC-N Wetland Hydrolog	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3) leutral Test (D5)
Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water Water Table F Saturation Pre (includes capi	rology Indicators: ators (minimum of one is requivater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) a Visible on Aerial Imagery (Bained Leaves (B9) ations: ar Present? Present? Yes Sesent? Ves Illary fringe)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron on Reduction in T Surface (C7) lain in Remarks Depth (inches): Depth (inches):	I) Living Ro (C4) Tilled Soils	Water Sedim Drift D Draina Drots (C3) Dry-Se Crayfis S (C6) Satura Shallo FAC-N Wetland Hydrolog	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3) leutral Test (D5)
Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water Water Table F Saturation Pre (includes capi	rology Indicators: ators (minimum of one is requivater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) a Visible on Aerial Imagery (Bained Leaves (B9) ations: ar Present? Present? Yes Sesent? Ves Illary fringe)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron on Reduction in T Surface (C7) lain in Remarks Depth (inches): Depth (inches):	I) Living Ro (C4) Tilled Soils	Water Sedim Drift D Draina Drots (C3) Dry-Se Crayfis S (C6) Satura Shallo FAC-N Wetland Hydrolog	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3) leutral Test (D5)
Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water Water Table F Saturation Pre (includes capi	rology Indicators: ators (minimum of one is requivater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine) Deposits (B2) (Nonriverine) sits (B3) (Nonriverine) oil Cracks (B6) a Visible on Aerial Imagery (Bained Leaves (B9) ations: ar Present? Present? Yes Sesent? Ves Illary fringe)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) vertebrates (B13 Sulfide Odor (C1 hizospheres on of Reduced Iron on Reduction in T Surface (C7) lain in Remarks Depth (inches): Depth (inches):	I) Living Ro (C4) Tilled Soils	Water Sedim Drift D Draina Drots (C3) Dry-Se Crayfis S (C6) Satura Shallo FAC-N Wetland Hydrolog	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3) leutral Test (D5)

Project/Site: Wheatridge East		City/Cour	nty: Morrow	County	Sampling D	ate: <u>7/22/22</u>	!
Applicant/Owner: NextEra Energy		_		State: OR	Sampling Po	oint: SP-02	2c
Investigator(s): Jessica Taylor and Katie Pyne		Section, To	ownship, Ran	ge: 1N 28E S33	_		
Landform (hillside, terrace, etc.): Valley Bottom	Lo			, none): Concave		Slope (%):	5
Subregion (LRR): LRR B Lat: 45.515199				19.309242		um: NAD83	
<u> </u>							
Soil Map Unit Name: 35: Onyx Silt Loam				NWI class	-		
Are climatic / hydrologic conditions on the site typical	-			No (If no, e			
Are Vegetation, Soil, or Hydrology	_			rcumstances" present		No	
Are Vegetation, Soil, or Hydrology	_naturally proble	matic? (I	f needed, exp	lain any answers in Re	emarks.)		
SUMMARY OF FINDINGS – Attach site n	nap showing	sampling	g point loc	ations, transects	, important f	features, et	tc.
Hydrophytic Vegetation Present? Yes X I	No	Is the	Sampled Are	a			
	No	within	a Wetland?	Yes X	No		
Wetland Hydrology Present? Yes X	No				_		
Remarks:		•					
Riverine wetland							
VEGETATION – Use scientific names of	plants.						
	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test w	orksheet:		
1.				Number of Dominar		4 (1	۸ ۱
2. 3.				Are OBL, FACW, or		<u>4</u> (A	A)
3.				Total Number of Do Across All Strata:	minant Species	4 (E	D۱
T	₌₁	otal Cover			t Consider That	(L	B)
Sapling/Shrub Stratum (Plot size: 15		otal Gover		Percent of Dominan Are OBL, FACW, or	•	100.0% (A	A/R
1.	_'			7110 002, 171011, 01	17.0.	100.070 (/	,,,,
2.				Prevalence Index v	vorksheet:		
3.				Total % Cover		Multiply by:	
4.				OBL species	50 x 1 =	50	
5.				FACW species	50 x 2 =	100	
_	=T	otal Cover		FAC species	0 x 3 =	0	
Herb Stratum (Plot size: 5)				FACU species	0 x 4 =	0	
Oenanthe sarmentosa	30	Yes	OBL	UPL species	0 x 5 =	0	
2. Juncus balticus	30	Yes	FACW	Column Totals:		150(E	B)
3. Veronica americana	20	Yes	OBL	Prevalence Inde	x = B/A =	1.50	
4. Polypogon monspeliensis	20	Yes	FACW				
5				Hydrophytic Veget		:	
6.				X Dominance Tes			
7.				X Prevalence Inde		vida aumontin	. ~
8		otal Cover			daptations (Pro		g
Woody Vine Stratum (Plot size:		otal Covel		Problematic Hyd	•	•	
, ,	_)				. , .	` ' '	
1. 2.				¹ Indicators of hydric be present, unless of			Sī
	=T	otal Cover					
				Hydrophytic Vegetation			
% Bare Ground in Herb Stratum 10 %	6 Cover of Biotic	Crust		•	s X No		
Remarks:			•				

SOIL Sampling Point: SP-02c

	ription: (Describe Matrix	to the dept				ator or c	onfirm the absence	of indicators.)	
Depth (inches)		%	Color (moist)	x Featur %		Loc ²	Texture		Remarks
(inches)	Color (moist)		Coloi (moist)	70	Type ¹	LOC	sandy loam	· ———	Remarks
0-15	10YR 2/1	100					- Carray roam		
	-							-	
								-	
	-								
								<u> </u>	
71	ncentration, D=Dep					oated Sa			Lining, M=Matrix.
•	ndicators: (Applic	able to all L	•		oted.)				natic Hydric Soils ³ :
Histosol (•		Sandy Red	, ,				m Muck (A9) (LF	
	pedon (A2)		Stripped M	,	,			m Muck (A10) (L	
Black His			Loamy Mu	•	, ,			•	asses (F12) (LRR D)
· ·	Sulfide (A4)		Loamy Gle					duced Vertic (F1	
	Layers (A5) (LRR	C)	Depleted N		-			d Parent Materia	· /
	ck (A9) (LRR D)		Redox Dar					y Shallow Dark	
	Below Dark Surface	e (A11)	Depleted D)	Oth	er (Explain in Re	emarks)
	rk Surface (A12)		Redox Dep	ressions	s (F8)				
	ucky Mineral (S1)	31				برجا امتنجاله			
	eyed Matrix (S4)		is of flydropflytic v	egetatio	n and we	eliano ny	drology must be pres	sent, unless dist	urbed or problematic.
	ayer (if observed)	:							
Type:			<u>—</u>						
Depth (in	ches):						Hydric Soil Prese	nt?	Yes X No
HYDROLO	GY								
Wetland Hyd	Irology Indicators								
_	ators (minimum of		ed; check all that a	apply)			Second	ary Indicators (r	ninimum of two required)
X Surface V	Vater (A1)	•	Salt Crust	(B11)			Wa	ter Marks (B1) (Riverine)
High Wat	er Table (A2)		Biotic Crus	t (B12)				liment Deposits	
Saturatio			Aquatic Inv		es (B13)	1		t Deposits (B3)	
Water Ma	arks (B1) (Nonrive	ine)	X Hydrogen	Sulfide C	Odor (C1))	 Dra	inage Patterns (B10)
Sediment	Deposits (B2) (No	nriverine)	Oxidized R	hizosph	eres on L	_iving Ro	oots (C3) Dry	-Season Water	Table (C2)
Drift Depo	osits (B3) (Nonrive	rine)	Presence of	of Reduc	ed Iron ((C4)	Cra	yfish Burrows (C	28)
Surface S	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Til	lled Soils	s (C6) Sat	uration Visible o	n Aerial Imagery (C9)
Inundatio	n Visible on Aerial	Imagery (B7) Thin Muck	Surface	(C7)		Sha	allow Aquitard (D	03)
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		X FAC	C-Neutral Test (I	D5)
Field Observ	ations:								
Surface Water	er Present? Y	es X	No	Depth (i	nches):	2			
Water Table		es			nches):				
Saturation Pr		es			nches):		Wetland Hydrol	ogy Present?	Yes X No
(includes cap	illary fringe)				_	,			
Describe Rec	orded Data (stream	n gauge, mo	nitoring well, aeria	photos,	previous	s inspec	tions), if available:		
Remarks:									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Count	y: Morrow C	County	s	Sampling Date	e: <u>7/22</u>	2/22
Applicant/Owner: NextEra Energy	-	State:	OR S	ampling Poir	nt: SI	P-02d		
Investigator(s): Jessica Taylor and Katie Pyne		Section, Tov	wnship, Rang	e: 1N 28E S3	33			
Landform (hillside, terrace, etc.): Valley Bottom	Lo	_ cal relief (cond	cave, convex,	none): Con	ıcave	S	Slope (%)): 5
Subregion (LRR): LRR B Lat: 45.515199			Long: -11	9.309242		Datur	n: NAE	083
Soil Map Unit Name: 35: Onyx Silt Loam					I classificati	ion:		
Are climatic / hydrologic conditions on the site typical for	or this time of ve	ar? Y	es X					
Are Vegetation , Soil , or Hydrology	_			cumstances" pre			, No	
Are Vegetation, Soil, or Hydrology				in any answers				_
SUMMARY OF FINDINGS – Attach site m				-			atures	, etc.
Hydrophytic Vegetation Present? Yes N	o X	Is the S	Sampled Area	<u> </u>				
	o X		a Wetland?		5	No X		
	o X							
Remarks:		-						
Upland plot								
VEGETATION – Use scientific names of	olants.							
	Absolute	Dominant	Indicator					
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance T				
1. 2.				Number of Do			0	(A)
2				Are OBL, FAC		_	U	_(A)
4.				Total Number Across All Stra		it Species	3	(B)
-	=T	otal Cover		Percent of Doi	minant Spe	cies That		- ` ′
Sapling/Shrub Stratum (Plot size: 15)			Are OBL, FAC	W, or FAC:	_	0.0%	_ (A/B)
1								
2.				Prevalence In			دم برامنانیا	
3. 4.				Total % C	over or:	x 1 =	1ultiply by 0	<u>/:</u>
5.				FACW species		x 1 =	0	_
J		otal Cover		FAC species	0	_ x3=	0	_
Herb Stratum (Plot size: 5)		otal Govel		FACU species		_ x4=	80	_
1. Madia gracilis	15	Yes	UPL	UPL species	85	x 5 =	425	_
Centaurea diffusa	5	No	UPL	Column Totals		(A)	505	(B)
3. Bromus tectorum	50	Yes	UPL		Index = B/		1.81	_` ′
4. Salsola tragus	10	No	FACU					_
5. Sisymbrium altissimum	10	No	FACU	Hydrophytic \	/egetation	Indicators:		
6. Onopordum acanthium	15	Yes	UPL	Dominanc	e Test is >5	50%		
7.				Prevalence	e Index is ≤	3.0 ¹		
8.						ations ¹ (Provid		
	105 =T	otal Cover		data in I	Remarks or	on a separa	te sheet)	
Woody Vine Stratum (Plot size:)			Problemat	tic Hydrophy	ytic Vegetatio	on¹ (Expla	ain)
1.				¹ Indicators of h				must
2		otal Cover		be present, un	less disturb	ed or problei	matic.	
	=1	otal Cover		Hydrophytic				
% Bare Ground in Herb Stratum 10 %	Cover of Biotic	Crust		Vegetation Present?	Yes	No	X	
Remarks:								
. Comand.								

SOIL Sampling Point: SP-02d

	ription: (Describe	to the dept		u ment ti x Featur		ator or c	onfirm the absenc	e of indicators	.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	% realur	Type ¹	Loc ²	Texture		Remarks	
	•		Color (IIIOISI)	/0	туре	LUC	sandy loam		i veillai və	
0-16	10YR 2/2	100								
			_	' <u></u>		<u> </u>				
								_		
1- 0.0							10 : 21		1	
	ncentration, D=Dep					oated Sa		ocation: PL=Po		
Histosol (`	able to all L	Sandy Red		oteu.)			cm Muck (A9) (L	-	JUIIS .
	ipedon (A2)		Stripped M		3)			cm Muck (A9) (L		
Black His			Loamy Mu	-	-			on-Manganese M		PP D)
	n Sulfide (A4)		Loamy Gle	•	, ,			educed Vertic (F		
1 <u> </u>	Layers (A5) (LRR (~\	Depleted N	-				ed Parent Materi	-	
	ck (A9) (LRR D)	٥,	Redox Dar	-	-			ery Shallow Dark	, ,	\
	Below Dark Surfac	o (Δ11)	Depleted [, ,			ther (Explain in F		1
	rk Surface (A12)	C (ATT)	Redox Dep			,		inei (Explain in i	(emarks)	
	ucky Mineral (S1)		Redox Dep	JI 6331011.	3 (1 0)					
	eyed Matrix (S4)	³ Indicator	rs of hydrophytic y	enetatio	n and we	etland hy	drology must be pre	esent unless dis	sturbed or prob	lematic
				ogotatio	ii diid We	I	arology mast be pre	Joonie, amood ale	Adibod of prob	iomano.
	.ayer (if observed)	:								
Type: _ Depth (in	ohoo):		_				Hydric Soil Pres	ont?	Voc	No V
Remarks:			_				Hydric 3011 Fies	enti	Yes	No X
HYDROLO	GY									
Wetland Hyd	Irology Indicators:									
_	ators (minimum of		ed; check all that	apply)			Secon	dary Indicators	(minimum of tw	vo required)
Surface \	Water (A1)	•	Salt Crust	(B11)			W	ater Marks (B1)	(Riverine)	
High Wat	ter Table (A2)		Biotic Crus	st (B12)			Se	ediment Deposit	s (B2) (Riverin	ie)
Saturatio	n (A3)		Aquatic In	vertebrat	tes (B13))	Dr	rift Deposits (B3)	(Riverine)	
Water Ma	arks (B1) (Nonriver	ine)	Hydrogen	Sulfide (Odor (C1))	Dr	ainage Patterns	(B10)	
Sedimen	t Deposits (B2) (No	nriverine)	Oxidized F	Rhizosph	eres on L	Living Ro	oots (C3) Dr	y-Season Water	r Table (C2)	
Drift Dep	osits (B3) (Nonrive	rine)	Presence	of Reduc	ced Iron ((C4)	Cr	ayfish Burrows ((C8)	
Surface S	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soils	s (C6) Sa	aturation Visible	on Aerial Imag	ery (C9)
Inundatio	n Visible on Aerial l	magery (B7)Thin Muck	Surface	(C7)		Sh	nallow Aquitard (D3)	
Water-St	ained Leaves (B9)		Other (Exp	lain in R	Remarks)		F	AC-Neutral Test	(D5)	
Field Observ	vations:									
Surface Water	er Present? Ye	es	No	Depth (i	nches):					
Water Table	Present? Y	es	No	Depth (i	nches): _					
Saturation Pr	resent? Y	es	No	Depth (i	nches):		Wetland Hydro	ology Present?	Yes	No X
(includes cap	illary fringe)									
Describe Red	corded Data (stream	n gauge, mo	nitoring well, aeria	l photos	, previous	s inspect	tions), if available:			
Remarks:										

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Coun	ty: Morrow (County	Sampling D	ate: 11	/15/22
Applicant/Owner: NextEra Energy				State: OR	Sampling P	oint: S	SP-03a
Investigator(s): Jessica Taylor and Katie Pyne		Section, To	wnship, Rang	ge: 1N 28E S33			
Landform (hillside, terrace, etc.): Valley Bottom	Loc	= al relief (con	cave, convex	, none): Concave		Slope (%	6): 5
Subregion (LRR): LRR B Lat: 45.515199				19.309242		tum: NA	· —
Soil Map Unit Name: 35: Onyx Silt Loam			9		sification:		
Are climatic / hydrologic conditions on the site typical f	or this time of yes	nr?	Voc V	No (If no,			
				<u> </u>			
Are Vegetation, Soil, or Hydrology				rcumstances" present		NO	_
Are Vegetation, Soil, or Hydrology				ain any answers in R		_	
SUMMARY OF FINDINGS – Attach site m	ap showing	sampling	point loc	ations, transects	s, important	features	s, etc.
Hydrophytic Vegetation Present? Yes X	lo	Is the	Sampled Are	a			
Hydric Soil Present? Yes X	lo	within	a Wetland?	Yes X	No	•	
Wetland Hydrology Present? Yes X	lo						
Remarks: Wetland originates from trough overflow.							
VECETATION . Her estantific marries of	nloute						
VEGETATION – Use scientific names of		Dominant	Indicator				
<u>Tree Stratum</u> (Plot size: 30)		Species?	Status	Dominance Test v	vorksheet:		
1				Number of Domina	nt Species That		
2.				Are OBL, FACW, o	r FAC:	3	(A)
3				Total Number of Do	ominant Species		
4				Across All Strata:		3	(B)
		otal Cover		Percent of Dominal	•		
Sapling/Shrub Stratum (Plot size: 15)			Are OBL, FACW, o	r FAC:	100.0%	6 (A/B)
1.		 -		Daniel I and a decident			
2. 3.				Prevalence Index Total % Cover		Multiply	ov:
4.		 -		OBL species	50 x 1 =	Multiply b	Jy.
5.				FACW species	50 x 2 =	100	_
-	=To	otal Cover		FAC species			_
Herb Stratum (Plot size: 5)				FACU species			
Oenanthe sarmentosa	30	Yes	OBL	UPL species	0 x 5 =	0	_
2. Juncus balticus	30	Yes	FACW	Column Totals:	100 (A)	150	(B)
3. Veronica americana	10	No	OBL	Prevalence Inde	ex = B/A =	1.50	
4. Juncus occidentalis	20	Yes	FACW				
5. Mimulus guttatus	10	No	OBL	Hydrophytic Vege	tation Indicators	s:	
6				X Dominance Tes			
7				X Prevalence Ind			
8					Adaptations ¹ (Pro		_
, , , , , , , , , , , , , , , , , , ,		otal Cover			arks or on a sepa		•
Woody Vine Stratum (Plot size:)				drophytic Vegeta		,
1. 2.		 -		¹ Indicators of hydric be present, unless			y must
<u> </u>		otal Cover	——		aistainea oi piot	nematic.	
		50701		Hydrophytic Vegetation			
% Bare Ground in Herb Stratum 10 %	Cover of Biotic (Crust		•	es X No		
Remarks:			•				

SOIL Sampling Point: SP-03a

	•	to the depth		ument th ox Featur		ator or c	onfirm the absence of	of indicators.)
Depth (inches)	Matrix Color (moist)	<u></u> %	Color (moist)	% realur	Type ¹	Loc ²	Texture	Remarks
			Color (Illoist)	70	Туре	LOC	fine silt loam	Remarks
0-16	10YR 2/1	100					iiile siit loaiii	
1- 0.0							20	
	oncentration, D=Dep					oated Sa		ation: PL=Pore Lining, M=Matrix.
	ndicators: (Applica	ible to all Li	•		otea.)			rs for Problematic Hydric Soils ³ :
Histosol			Sandy Red		• • • • • • • • • • • • • • • • • • • •			Muck (A9) (LRR C)
	ipedon (A2)		Stripped M	-	-			Muck (A10) (LRR B)
Black His			Loamy Mu	-				Manganese Masses (F12) (LRR D)
	n Sulfide (A4) Layers (A5) (LRR 0	•1	Loamy Gle Depleted N	-				uced Vertic (F18) Parent Material (F21)
	ck (A9) (LRR D)	·)	Redox Dai	•	•			Shallow Dark Surface (F22)
	Below Dark Surface	(Δ11)	Depleted [r (Explain in Remarks)
	rk Surface (A12)	(// (/)	Redox De			'		(Explain in Nemarks)
	ucky Mineral (S1)		Nedox De	pressions	5 (1 0)			
	leyed Matrix (S4)	3Indicators	s of hydrophytic y	/egetatio	n and we	tland hv	drology must be prese	ent, unless disturbed or problematic.
			,	-3			g, p	,
Type:	.ayer (if observed):							
Depth (in	chee).		_				Hydric Soil Presen	t? Yes <u>X</u> No
Remarks:			_				Tiyane don't resen	163 <u>X</u> 110
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
Primary Indic	ators (minimum of o	ne is require	ed; check all that	apply)			Seconda	ry Indicators (minimum of two required)
X Surface \	Water (A1)		Salt Crust	` '			Wate	er Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crus	st (B12)			Sedir	ment Deposits (B2) (Riverine)
X Saturatio	n (A3)		Aquatic In				Drift	Deposits (B3) (Riverine)
	arks (B1) (Nonriver i		X Hydrogen		` '			nage Patterns (B10)
	t Deposits (B2) (Noi		Oxidized F			_		Season Water Table (C2)
· ·	osits (B3) (Nonrive	ine)	Presence					fish Burrows (C8)
	Soil Cracks (B6)	(5-1)	Recent Iro			lled Soils	• • —	ration Visible on Aerial Imagery (C9)
	n Visible on Aerial I	magery (B7)	Thin Muck					ow Aquitard (D3)
	ained Leaves (B9)		Other (Exp	plain in R	emarks)		X FAC-	-Neutral Test (D5)
Field Observ				5				
Surface Water		es X			nches): _			
Water Table		es			nches):		Wedlered Headers	
Saturation Pr		es X	No	Depth (i	nches):	0	Wetland Hydrolo	gy Present? Yes X No
(includes cap	- · · ·					- :	is and if a validable.	
Describe Rec	corded Data (stream	gauge, mon	illoring well, aeria	ii priotos,	, previous	s inspeci	lions), ii avaliable:	
Remarks:								

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow	County	Sampling Date:	11/15/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-03b
Investigator(s): Jessica Taylor and Katie Pyne		Section, Township, Rar	nge: 1N 28E S33		
Landform (hillside, terrace, etc.): Valley Bottom	Loca	I relief (concave, conve	ex, none): Concave	Slo	pe (%): 5
Subregion (LRR): LRR B Lat: 45.515199		•	119.309242		NAD83
Soil Map Unit Name: 35: Onyx Silt Loam			NWI classif		
Are climatic / hydrologic conditions on the site typical	for this time of vear		No (If no, exp		
Are Vegetation , Soil , or Hydrology	-		circumstances" present?		lo.
Are Vegetation, Soil, or Hydrology			plain any answers in Rem		
SUMMARY OF FINDINGS – Attach site			•		tures, etc.
	•	T	<u> </u>		
	No X No X	Is the Sampled Ar within a Wetland?		No. V	
	No X	within a wettand?	Yes	No X	
Remarks:	<u> </u>	<u> </u>			
Upland plot.					
VEGETATION – Use scientific names of	f plants.				
		ominant Indicator			
Tree Stratum (Plot size: 30)	% Cover S	pecies? Status	Dominance Test wor		
2.			Number of Dominant Are OBL, FACW, or F	•	1 (A)
3. 4.			Total Number of Domi Across All Strata:	inant Species	2 (B)
	=Tot	al Cover	Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 15	_)		Are OBL, FACW, or F	AC: <u>5</u>	60.0% (A/B)
1					
2			Prevalence Index wo		ltimbu huu
3.			Total % Cover of OBL species		ltiply by: 0
5.			· -) x1=) x2=	0
J 5		al Cover			120
Herb Stratum (Plot size: 5)		a. 3 3 3 3		x 4 =	0
1. Ericameria nauseosa	40	Yes UPL	· -	0 x 5 =	200
2. Hordeum marinum	40	Yes FAC	Column Totals: 8	0 (A)	320 (B)
3.			Prevalence Index	= B/A = 4.0	0
4					
5			Hydrophytic Vegetat	ion Indicators:	
6			Dominance Test is		
7			Prevalence Index		
8			·	aptations ¹ (Provide s or on a separate	
Manaka Vina Charles (Diataina		al Cover		•	•
Woody Vine Stratum (Plot size:	-		l 	ophytic Vegetation ¹	,
1. 2.			¹ Indicators of hydric so be present, unless dis		
	=Tot	al Cover	Hydrophytic		
			Vegetation		
% Bare Ground in Herb Stratum 20	% Cover of Biotic C	rust		No X	· <u> </u>
Remarks:					

SOIL Sampling Point: SP-03b

	ription: (Describe	to the depth		u ment tl x Featur		ator or c	onfirm the abse	ence of indicators	i.)	
Depth (inches)	Matrix	<u></u> %				Loc ²	Toyturo		Domarko	
(inches)	Color (moist)		Color (moist)	%	Type ¹	LOC	Texture silt loam		Remarks	
0-16	10YR 3/2	100								
							-			
	ncentration, D=Dep					oated Sa		² Location: PL=Po		
	ndicators: (Applica	ble to all LF	•		oted.)		Ind	icators for Proble	-	Soils":
Histosol (Sandy Red					1 cm Muck (A9) (I		
	ipedon (A2)		Stripped M	-	-			2 cm Muck (A10)		
Black His			Loamy Mu	•	. ,			Iron-Manganese N		_RR D)
1 <u> </u>	n Sulfide (A4)		Loamy Gle	-				Reduced Vertic (F	•	
	Layers (A5) (LRR C	;)	Depleted N	-	-			Red Parent Mater	` '	
	ck (A9) (LRR D)		Redox Dar		. ,			Very Shallow Dark		
·	Below Dark Surface	e (A11)	Depleted [)		Other (Explain in I	Remarks)	
	rk Surface (A12)		Redox Dep	pression	s (F8)					
	ucky Mineral (S1)	2								
Sandy GI	eyed Matrix (S4)	Indicators	s of hydrophytic v	egetatio	n and we	tland hy	drology must be	present, unless di	sturbed or prob	lematic.
Restrictive L	.ayer (if observed):									
Type:			_							
Depth (in	ches):		_				Hydric Soil Pr	resent?	Yes	No X
HYDROLO	GY									
Wetland Hyd	Irology Indicators:									
_	ators (minimum of c	ne is require	ed; check all that	apply)			Sec	condary Indicators	(minimum of tw	o required)
Surface \	Water (A1)		Salt Crust	(B11)				Water Marks (B1)	(Riverine)	•
High Wat	ter Table (A2)		Biotic Crus	st (B12)				Sediment Deposit	s (B2) (Riverin	e)
Saturatio	n (A3)		Aquatic In	vertebrat	es (B13)			Drift Deposits (B3) (Riverine)	
Water Ma	arks (B1) (Nonriveri	ne)	Hydrogen	Sulfide (Odor (C1))		Drainage Patterns	s (B10)	
Sedimen	t Deposits (B2) (Nor	riverine)	Oxidized F	Rhizosph	eres on L	_iving Ro	oots (C3)	Dry-Season Wate	r Table (C2)	
Drift Dep	osits (B3) (Nonriver	ine)	Presence	of Reduc	ed Iron ((C4)		Crayfish Burrows	(C8)	
Surface S	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soils	s (C6)	Saturation Visible	on Aerial Imag	ery (C9)
Inundatio	n Visible on Aerial II	magery (B7)	Thin Muck	Surface	(C7)			Shallow Aquitard	(D3)	
Water-St	ained Leaves (B9)		Other (Exp	lain in R	temarks)			FAC-Neutral Test	(D5)	
Field Observ	/ations:									
Surface Water	er Present? Ye	es	No X	Depth (i	nches):					
Water Table	Present? Ye	s	No X	Depth (i	nches):					
Saturation Pr	esent? Ye	es	No X	Depth (i	nches):		Wetland Hy	drology Present?	Yes	No X
(includes cap	illary fringe)									
Describe Red	corded Data (stream	gauge, mon	itoring well, aeria	l photos	, previous	s inspec	tions), if available	e:		
Remarks:										

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cour	nty: Morrow	County	Sampling Date	: 10/22/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point	t: SP-12a
Investigator(s): Emmy Irvin and Erin Gilmore		Section, To	wnship, Ran	ge: T1S R27E S13		
Landform (hillside, terrace, etc.): Valley		Local relief (cor	ncave, conve	k, none): Concave	SI	ope (%):5
Subregion (LRR): LRR B Lat: 45.515199			Long: <u>-</u> 1	19.309242		: NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical for	this time of	year?	Yes X	No (If no, ex	plain in Remarks.))
Are Vegetation, Soil, or Hydrology_X_s	ignificantly o			rcumstances" present?		
Are Vegetation, Soil, or Hydrologyn				lain any answers in Ren	<u></u>	
SUMMARY OF FINDINGS – Attach site ma				•		ıtures, etc.
<u></u>			Sampled Are a Wetland?	ea Yes <u>X</u>	No	
Remarks: Wetland around overflowing livestock pond.		·				
VEGETATION – Use scientific names of p						
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:	
1.	70 0010.	ороског.	- Claime	Number of Dominant		
2.				Are OBL, FACW, or F	•	3 (A)
3. 4.				Total Number of Dom Across All Strata:	inant Species	3 (B)
Sapling/Shrub Stratum (Plot size: 15)		=Total Cover		Percent of Dominant Are OBL, FACW, or F	•	100.0% (A/B
2.				Prevalence Index we	orksheet:	
3.				Total % Cover o	f: Mu	ultiply by:
4				OBL species 4	10 x 1 =	40
5				· -	10 x 2 =	20
(5)		=Total Cover			50 x 3 =	150
Herb Stratum (Plot size: 5)	20	Voc	FAC		0 x 4 =	0
Urtica dioica Dipsacus fullonum	20	Yes	FAC	UPL species Column Totals: 10	0 x 5 =	0 210 (B)
Dipsacus fullonum Juncus effusus	10	Yes No	FAC FACW	Prevalence Index		210 (B) 10
4. Veronica americana	30	Yes	OBL	Trevalence index	- b/A	10
5. Lemna minor	10	No	OBL	Hydrophytic Vegetat	tion Indicators:	
6. Equisetum arvense	10	No	FAC	X Dominance Test		
7.				X Prevalence Index		
8.					laptations ¹ (Provid	
	100	=Total Cover		data in Remark	ks or on a separate	e sheet)
Woody Vine Stratum (Plot size:)				Problematic Hydr	ophytic Vegetation	າ ¹ (Explain)
1				¹ Indicators of hydric s		
2		=Total Cover		be present, unless dis	sturbed or problem	natic.
% Bare Ground in Herb Stratum 0 % 0	Cover of Bio	tic Crust	<u> </u>	Vegetation Present? Yes	X No	<u> </u>
Remarks:						

SOIL Sampling Point: SP-12a

	• •	o the depth				tor or c	confirm the absence	of indicators.)	
Depth (inches)	Matrix Color (moist)	0/:		K Featur		Loc ²	Toyture	D-	omarks
(inches)	Color (moist)	<u>%</u> _	Color (moist)	<u>%</u>	Type ¹	LOC	Texture	Ke	emarks
0-16	2.5Y 4/2	85	10YR 4/6	15			very fine silt loam		
			_						_
¹ Type: C=Co	ncentration, D=Depl	etion, RM=F	Reduced Matrix, C	S=Cove	red or Co	oated Sa	and Grains. ² Loc	cation: PL=Pore Lin	ing, M=Matrix.
Hydric Soil I	ndicators: (Applica	ble to all Li	RRs, unless othe	rwise n	oted.)		Indicato	ors for Problemation	: Hydric Soils³:
Histosol ((A1)		Sandy Red	ox (S5)			1 cm	n Muck (A9) (LRR C	C)
Histic Ep	ipedon (A2)		Stripped Ma	atrix (S6	6)		2 cm	n Muck (A10) (LRR	B)
Black His	tic (A3)		Loamy Muc	ky Mine	eral (F1)		Iron-	-Manganese Masse	s (F12) (LRR D)
X Hydroger	Sulfide (A4)		Loamy Gle	yed Mat	rix (F2)		Red	duced Vertic (F18)	
Stratified	Layers (A5) (LRR C)	Depleted M	atrix (F	3)		Red	Parent Material (F2	21)
1 cm Mu	ck (A9) (LRR D)		Redox Dark	Surfac	e (F6)		Very	y Shallow Dark Surf	ace (F22)
Depleted	Below Dark Surface	(A11)	Depleted D	ark Sur	face (F7)		Othe	er (Explain in Rema	rks)
Thick Da	rk Surface (A12)		Redox Dep	ressions	s (F8)				
Sandy M	ucky Mineral (S1)								
Sandy Gl	eyed Matrix (S4)	³ Indicator	s of hydrophytic ve	egetatio	n and we	tland hy	drology must be pres	ent, unless disturbe	ed or problematic.
Restrictive L	.ayer (if observed):								
Type:	, ,								
Depth (in	ches):						Hydric Soil Preser	nt? Ye	s X No
Remarks:						<u> </u>			
Remarks.									
HYDROLO	GY								
_	Irology Indicators: ators (minimum of o		d, abaal, all that a	nnlu)			Cocondo	am / Indiaatara /minir	num of two required)
X Surface \	•	ne is require	Salt Crust (er Marks (B1) (Rive	
	er Table (A2)		Biotic Crust	,				iment Deposits (B2)	
X Saturatio			Aquatic Inv		oc (B13)			t Deposits (B3) (Riv	
	arks (B1) (Nonriveri i	20)	X Hydrogen S		, ,			inage Patterns (B10	
	t Deposits (B2) (Non							•	•
	osits (B3) (Nonriver i	•	Oxidized RI Presence o			_		·Season Water Tabl yfish Burrows (C8)	le (G2)
	Soil Cracks (B6)	116)	Recent Iron					uration Visible on A	erial Imagery (C0)
	n Visible on Aerial Ir	2000n/ (P7)				ieu Soii:	` '		enai imagery (C9)
	ained Leaves (B9)	lagery (b7)	Thin Muck					llow Aquitard (D3) C-Neutral Test (D5)	
	. ,		Other (Expi	alli ili iv	emarks)		<u></u>	-Neutiai Test (D3)	
Field Observ				- u <i>a</i>		0			
Surface Wate		s_X_			nches): _	6			
Water Table					nches): _		Madanal III	D	- V N
Saturation Pr		s_X_	No	eptn (۱	nches):	0	vvetiana Hydrold	ogy Present? Ye	s <u>X</u> No
(includes cap	<u> </u>								
Describe Red	corded Data (stream	gauge, mon	litoring well, aerial	pnotos,	, previous	sinspec	tions), if available:		
Remarks:									
ixemants.									

OMB Control #: 0710-xxxx, Exp: Pending Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R Project/Site: Wheatridge East City/County: Morrow County Sampling Date: 10/22/22 Applicant/Owner: NextEra Energy State: OR Sampling Point: SP-12b Investigator(s): Emmy Irvin and Erin Gilmore Section, Township, Range: T1S R27E S13 Landform (hillside, terrace, etc.): Valley Local relief (concave, convex, none): Concave Slope (%): 5 Datum: NAD83 Subregion (LRR): LRR B Lat: 45.515199 Long: <u>-119.309242</u> Soil Map Unit Name: 35: Onyx Silt Loam NWI classification: Yes X Are climatic / hydrologic conditions on the site typical for this time of year? No (If no, explain in Remarks.) Are Vegetation_____, Soil_____, or Hydrology_X_ significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? Yes ___ X Hydric Soil Present? Yes ____ No within a Wetland? Yes ____ No _X_ Wetland Hydrology Present? No Remarks: Upland plot.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1.	70 COVE	Species:	Status		
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 0	(A)
3.				Total Number of Dominant Species	_
4.				Across All Strata: 3	(B)
Sapling/Shrub Stratum (Plot size: 15)	=Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0%	_(A/B
1					
2				Prevalence Index worksheet:	
3				Total % Cover of: Multiply by	<u>':</u>
4				OBL species 0 x 1 = 0	_
5				FACW species 0 x 2 = 0	_
		=Total Cover		FAC species 0 x 3 = 0	_
Herb Stratum (Plot size: 5)				FACU species 50 x 4 = 200	
1. Poa bulbosa	30	Yes	FACU	UPL species 40 x 5 = 200	_
2. Centaurea diffusa	25	Yes	UPL	Column Totals: 90 (A) 400	(B)
3. Taeniatherum caput-medusae	15	No	UPL	Prevalence Index = B/A = 4.44	_
4. Lactuca serriola	20	Yes	FACU		
5				Hydrophytic Vegetation Indicators:	
6	<u> </u>			Dominance Test is >50%	
7				Prevalence Index is ≤3.0 ¹	
8.		· ·		Morphological Adaptations ¹ (Provide suppo	rting
	90	=Total Cover		data in Remarks or on a separate sheet)	
Woody Vine Stratum (Plot size:)	•		Problematic Hydrophytic Vegetation ¹ (Expla	ain)
1				¹ Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	must
% Bare Ground in Herb Stratum 10	0/ Cover of Die	=Total Cover		Hydrophytic Vegetation	
% Bare Ground in Herb Stratum 10	% Cover of Bio	olic Crust		Present? Yes No X	

SOIL Sampling Point: SP-12b

Profile Desc Depth	. ` Matrix			x Featur	es				2.0.0.,
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure	Remarks
0-16	10YR 3/2	100			.,,,,		silt loa		. tomanto
0-10	10111 3/2	100							
			·						
			,						
									_
¹ Type: C=Co	oncentration, D=Deple	etion. RM=R	Reduced Matrix. (S=Cove	red or C	pated S	and Grains	² Location: P	L=Pore Lining, M=Matrix.
	Indicators: (Applical					-			roblematic Hydric Soils ³ :
Histosol			Sandy Red		,			1 cm Muck (A	•
Histic Ep	ipedon (A2)		Stripped M		5)				A10) (LRR B)
Black His			Loamy Mu	,	•				ese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-				Reduced Ver	
	Layers (A5) (LRR C))	Depleted N	-					Material (F21)
	ck (A9) (LRR D)		Redox Dai	,	,				Dark Surface (F22)
	l Below Dark Surface	(A11)	Depleted [n in Remarks)
· ·	rk Surface (A12)	,	Redox De						,
	ucky Mineral (S1)				,				
	leyed Matrix (S4)	³ Indicators	s of hydrophytic v	egetatio	n and we	tland hy	drology mus	t be present, unle	ss disturbed or problematic.
Restrictive L	_ayer (if observed):								
Type:	, , , , , , , , , , , , , , , , , , , ,								
Depth (in	nches):		_				Hydric So	oil Present?	Yes No X
HYDROLO									
_	drology Indicators:								
-	cators (minimum of or	ne is require						•	ators (minimum of two required)
	Water (A1)		Salt Crust Biotic Crus	` '				vvater iviarks	
	ter Table (A2)		DIOUG CIUS						(B1) (Riverine)
Saturatio					oo (D12)			Sediment De	posits (B2) (Riverine)
Water M	` '	١٥)	Aquatic In	vertebrat				Sediment De Drift Deposits	posits (B2) (Riverine) s (B3) (Riverine)
	arks (B1) (Nonriveri r		Aquatic In	vertebrat Sulfide C	Odor (C1))	note (C3)	Sediment De Drift Deposits Drainage Pat	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10)
Sedimen	arks (B1) (Nonrivering the Deposits (B2) (None	riverine)	Aquatic In Hydrogen Oxidized F	vertebrat Sulfide C Rhizosphe	Odor (C1) eres on L) ₋iving Ro	oots (C3)	Sediment De Drift Deposits Drainage Pat Dry-Season	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2)
Sedimen Drift Dep	arks (B1) (Nonrivering the Deposits (B2) (Nonrivering Cosits (B3) (Nonr	riverine)	Aquatic In Hydrogen Oxidized F	vertebrat Sulfide C Rhizospho of Reduc	Odor (C1) eres on Led Iron () ₋iving Ro C4)	,	Sediment De Drift Deposits Drainage Pat Dry-Season \ Crayfish Burr	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8)
Sedimen Drift Dep Surface S	arks (B1) (Nonriverir It Deposits (B2) (Non- Iosits (B3) (Nonriveri Soil Cracks (B6)	riverine) ne)	Aquatic In Hydrogen Oxidized F Presence Recent Iro	vertebrat Sulfide C Rhizospho of Reduc n Reduct	Odor (C1) eres on leed Iron (tion in Ti) ₋iving Ro C4)	,	Sediment De Drift Deposits Drainage Pat Dry-Season \ Crayfish Burr Saturation Vi	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9)
Sedimen Drift Dep Surface S Inundation	arks (B1) (Nonriverir ht Deposits (B2) (Non- losits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial Im	riverine) ne)	Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck	vertebrat Sulfide C Rhizospho of Reduc n Reduct Surface	Odor (C1) eres on leed Iron (tion in Ti (C7)) ₋iving Ro C4)	,	Sediment De Drift Deposits Drainage Pat Dry-Season V Crayfish Burr Saturation Vi Shallow Aqui	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3)
Sedimen Drift Dep Surface S Inundatio	arks (B1) (Nonriverir It Deposits (B2) (Non- Iosits (B3) (Nonriverir Soil Cracks (B6) Ion Visible on Aerial India Itained Leaves (B9)	riverine) ne)	Aquatic In Hydrogen Oxidized F Presence Recent Iro	vertebrat Sulfide C Rhizospho of Reduc n Reduct Surface	Odor (C1) eres on leed Iron (tion in Ti (C7)) ₋iving Ro C4)	,	Sediment De Drift Deposits Drainage Pat Dry-Season \ Crayfish Burr Saturation Vi	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3)
Sedimen Drift Dep Surface S Inundatic Water-St	arks (B1) (Nonriverir It Deposits (B2) (Non- It Deposits (B3) (Nonriveriral Soil Cracks (B6) It Visible on Aerial Intra Italined Leaves (B9) Italions:	riverine) ne) nagery (B7)	Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	vertebrat Sulfide C Rhizospho of Reduct n Reduct Surface blain in R	Odor (C1) eres on Leed Iron (tion in Ti (C7) emarks)) ₋iving Ro C4)	,	Sediment De Drift Deposits Drainage Pat Dry-Season V Crayfish Burr Saturation Vi Shallow Aqui	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3)
Sedimen Drift Dep Surface S Inundatio Water-St Field Observ Surface Water	arks (B1) (Nonriverir It Deposits (B2) (Non- It Deposits (B3) (Nonriverir Soil Cracks (B6) In Visible on Aerial Intering Leaves (B9) Vations: er Present? Yes	riverine) ne) nagery (B7)	Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	vertebrat Sulfide C Rhizospho of Reduct n Reduct Surface blain in R	odor (C1) eres on Led Iron (tion in Ti (C7) emarks)) ₋iving Ro C4)	,	Sediment De Drift Deposits Drainage Pat Dry-Season V Crayfish Burr Saturation Vi Shallow Aqui	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3)
Sedimen Drift Dep Surface S Inundatio Water-St Field Observ Surface Water Water Table	arks (B1) (Nonriverir It Deposits (B2) (Non- It Deposits (B3) (Nonriverir Soil Cracks (B6) In Visible on Aerial Interior Italined Leaves (B9) Vations: er Present? Yes Present? Yes	riverine) ne) nagery (B7)	Aquatic In: Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	vertebrat Sulfide C Shizospho of Reduct n Reduct Surface olain in R Depth (ii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches):) ₋iving Ro C4)	s (C6)	Sediment De Drift Deposits Drainage Pat Dry-Season V Crayfish Burr Saturation Vi Shallow Aqui FAC-Neutral	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3) Test (D5)
Sedimen Drift Dep Surface S Inundatic Water-St Field Obser Surface Wate Water Table Saturation Pr	arks (B1) (Nonrivering the Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering Soil Cracks (B6) on Visible on Aerial Instance Leaves (B9) (Vations: er Present? Yestersent? Yestersent? Yestersent?	riverine) ne) nagery (B7)	Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	vertebrat Sulfide C Rhizospho of Reduct n Reduct Surface blain in R	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches):) ₋iving Ro C4)	s (C6)	Sediment De Drift Deposits Drainage Pat Dry-Season V Crayfish Burr Saturation Vi Shallow Aqui	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3) Test (D5)
Sedimen Drift Dep Surface S Inundatic Water-St Field Obser Surface Wate Water Table Saturation Pr (includes cap	arks (B1) (Nonrivering the Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering Soil Cracks (B6) on Visible on Aerial Instance Leaves (B9) (Vations: er Present? Yestersent? Yestersent? Yestersent?	riverine) ne) nagery (B7)	Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp No X No X No X	vertebrat Sulfide C Rhizospho of Reduc n Reduc Surface blain in R Depth (ii Depth (ii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches): _ nches): _	Living Ro C4) lled Soil	s (C6)	Sediment De Drift Deposits Drainage Pat Dry-Season V Crayfish Burr Saturation Vi Shallow Aqui FAC-Neutral	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3) Test (D5)
Sedimen Drift Dep Surface S Inundatio Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap Describe Rec	arks (B1) (Nonrivering the Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering Soil Cracks (B6) on Visible on Aerial Instance Leaves (B9) vations: er Present? Yes present? Yes present? Yes poillary fringe)	riverine) ne) nagery (B7)	Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp No X No X No X	vertebrat Sulfide C Rhizospho of Reduc n Reduc Surface blain in R Depth (ii Depth (ii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches): _ nches): _	Living Ro C4) lled Soil	s (C6)	Sediment De Drift Deposits Drainage Pat Dry-Season V Crayfish Burr Saturation Vi Shallow Aqui FAC-Neutral	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3) Test (D5)
Sedimen Drift Dep Surface S Inundatic Water-St Field Obser Surface Wate Water Table Saturation Pr (includes cap	arks (B1) (Nonrivering the Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering Soil Cracks (B6) on Visible on Aerial Instance Leaves (B9) vations: er Present? Yes present? Yes present? Yes poillary fringe)	riverine) ne) nagery (B7)	Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp No X No X No X	vertebrat Sulfide C Rhizospho of Reduc n Reduc Surface blain in R Depth (ii Depth (ii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches): _ nches): _	Living Ro C4) lled Soil	s (C6)	Sediment De Drift Deposits Drainage Pat Dry-Season V Crayfish Burr Saturation Vi Shallow Aqui FAC-Neutral	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3) Test (D5)
Sedimen Drift Dep Surface S Inundatio Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap Describe Rec	arks (B1) (Nonrivering the Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering Soil Cracks (B6) on Visible on Aerial Instance Leaves (B9) vations: er Present? Yes present? Yes present? Yes poillary fringe)	riverine) ne) nagery (B7)	Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp No X No X No X	vertebrat Sulfide C Rhizospho of Reduc n Reduc Surface blain in R Depth (ii Depth (ii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches): _ nches): _	Living Ro C4) lled Soil	s (C6)	Sediment De Drift Deposits Drainage Pat Dry-Season V Crayfish Burr Saturation Vi Shallow Aqui FAC-Neutral	posits (B2) (Riverine) s (B3) (Riverine) tterns (B10) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tard (D3) Test (D5)

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Date:	10/22/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-12c
Investigator(s): Emmy Irvin and Erin Gilmore		Section, T	ownship, Ran	ge: T1S R27E S13		
Landform (hillside, terrace, etc.): Valley		 Local relief (co	ncave, conve	x, none): Concave	Slop	oe (%): 5
Subregion (LRR): LRR B Lat: 45.515199			Long: -1	19.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam					ication:	
Are climatic / hydrologic conditions on the site typical f	for this time of	year?	Yes X	No (If no, exp		
Are Vegetation, Soil, or Hydrology_X		-		ircumstances" present?		0
Are Vegetation, Soil, or Hydrology	-			olain any answers in Rem	·	
SUMMARY OF FINDINGS – Attach site n			·	•	,	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled Are	ea		
	No		a Wetland?		No	
	No					
Remarks:		•				
Wetland plot.						
VEGETATION – Use scientific names of	-					
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.				Number of Dominant		
2.				Are OBL, FACW, or F	•	2 (A)
3				Total Number of Domi	nant Species	
4				Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 15	\ 	=Total Cover		Percent of Dominant S	•	10 00/ (A/D)
Sapling/Shrub Stratum (Plot size: 15 1.	_)			Are OBL, FACW, or F	AC. <u>10</u>	0.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of		tiply by:
4.				OBL species 6	0 x 1 =	60
5				FACW species 4		90
(5)		=Total Cover		FAC species 5		15
Herb Stratum (Plot size: 5)	15	No	EACW.	FACU species 10		40
Polypogon monspeliensis Cichorium intybus	15	No No	FACW FACU	UPL species 0 Column Totals: 12		0 205 (B)
3. Juncus effusus	30	Yes	FACW	Prevalence Index		
4. Veronica americana	40	Yes	OBL			
5. Nasturtium officinale	20	No	OBL	Hydrophytic Vegetat	ion Indicators:	
6. Rumex crispus	5	No	FAC	X Dominance Test is		
7				X Prevalence Index		
8	400				aptations ¹ (Provide s or on a separate s	
Woody Vine Stratum (Plot size:		=Total Cover			ophytic Vegetation ¹	,
1	- '					,
2.				¹ Indicators of hydric so be present, unless dis		
	- <u></u> -	Total Cover		Hydrophytic	,	
				Vegetation		
% Bare Ground in Herb Stratum 0 %	6 Cover of Biot	ic Crust			X No	_
Remarks:						

SOIL Sampling Point: SP-12c

Profile Description: (Descri	be to the depth				tor or c	onfirm the absence o	of indicators.)	
Depth Matri		Red	ox Featu					
(inches) Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-1610YR 3/1	80	10YR 5/1	20			very fine silt loam		
l								
¹ Type: C=Concentration, D=D	Depletion, RM=F	Reduced Matrix,	CS=Cove	ered or Co	oated Sa	and Grains. ² Loca	tion: PL=Pore Lining, M=Ma	trix.
Hydric Soil Indicators: (App	•						s for Problematic Hydric So	
Histosol (A1)		Sandy Re	dox (S5)			1 cm	Muck (A9) (LRR C)	
Histic Epipedon (A2)		Stripped N	Matrix (S6	3)		2 cm	Muck (A10) (LRR B)	
Black Histic (A3)		Loamy Mu	icky Mine	eral (F1)		Iron-N	Manganese Masses (F12) (LF	RR D)
Hydrogen Sulfide (A4)		Loamy Gl	eyed Mat	rix (F2)		Reduc	ced Vertic (F18)	
Stratified Layers (A5) (LR	R C)	X Depleted	Matrix (F	3)		Red F	Parent Material (F21)	
1 cm Muck (A9) (LRR D)		Redox Da	rk Surfac	e (F6)		Very S	Shallow Dark Surface (F22)	
Depleted Below Dark Surf	ace (A11)	Depleted	Dark Sur	face (F7)		Other	(Explain in Remarks)	
Thick Dark Surface (A12)		Redox De	pression	s (F8)				
Sandy Mucky Mineral (S1								
Sandy Gleyed Matrix (S4)	³ Indicators	s of hydrophytic	vegetatio	n and we	tland hy	drology must be preser	nt, unless disturbed or proble	ematic.
Restrictive Layer (if observe	d):							
Type:								
Depth (inches):		_				Hydric Soil Present	? Yes X	No
HYDROLOGY								
Wetland Hydrology Indicato	rs:							
Primary Indicators (minimum		ed; check all that	apply)			Secondar	y Indicators (minimum of two	required)
X Surface Water (A1)	•	Salt Crust	(B11)			Water	r Marks (B1) (Riverine)	•
High Water Table (A2)		Biotic Cru	st (B12)			Sedim	nent Deposits (B2) (Riverine)
X Saturation (A3)		Aquatic In	vertebrat	tes (B13)		Drift [Deposits (B3) (Riverine)	
Water Marks (B1) (Nonriv	verine)	Hydrogen	Sulfide (Odor (C1))	Draina	age Patterns (B10)	
Sediment Deposits (B2) (I		Oxidized I			0	· / /	eason Water Table (C2)	
Drift Deposits (B3) (Nonri	verine)	Presence		,	,		ish Burrows (C8)	
Surface Soil Cracks (B6)		Recent Iro			lled Soils	• •	ation Visible on Aerial Image	ry (C9)
Inundation Visible on Aeri		Thin Mucl					ow Aquitard (D3)	
Water-Stained Leaves (B9	9)	Other (Ex	plain in R	(emarks		X FAC-I	Neutral Test (D5)	
Field Observations:	., .,		5					
Surface Water Present?	Yes X	No	Depth (i	′ -	6			
Water Table Present? Saturation Present?	Yes X	No X		nches): _		Watland Liveral	yy Drosont? Vos V	No
	res A	No	Depth (i	nches):	- 0	Wetland Hydrolog	gy Present? Yes X	No
(includes capillary fringe) Describe Recorded Data (stre	am dalide mon	itoring well peri:	al nhotos	nrevious	inspec	tions) if available:		
Describe Necorded Data (site	am gauge, mon	intorning well, aerik	ai priotos	, previous	з шэрес	ilolis), il avallable.		
Remarks:								

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

OMB Control #: 0710-xxxx, Exp: Pending Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Wheatridge East City/County: Morrow County Sampling Date: 10/22/22 Applicant/Owner: NextEra Energy State: OR Sampling Point: SP-12d Investigator(s): Emmy Irvin and Erin Gilmore Section, Township, Range: T1S R27E S13 Landform (hillside, terrace, etc.): Valley Local relief (concave, convex, none): Concave Slope (%): 5 Long: -119.309242 Datum: NAD83 Subregion (LRR): LRR B Lat: 45.515199 Soil Map Unit Name: 35: Onyx Silt Loam NWI classification: Yes_X No (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Are Vegetation_____, Soil_____, or Hydrology_X_ significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation_____, Soil_____, or Hydrology_ 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? Is the Sampled Area Hydric Soil Present? No within a Wetland? Yes Yes No X Wetland Hydrology Present? Yes X No Remarks: Upland plot. **VEGETATION – Use scientific names of plants.** Absolute Dominant Indicator Tree Stratum (Plot size: % Cover Species? Status **Dominance Test worksheet:** 1. Number of Dominant Species That 2. Are OBL, FACW, or FAC: (A) **Total Number of Dominant Species** Across All Strata: (B) =Total Cover Percent of Dominant Species That (Plot size: 15) 0.0% (A/B) Sapling/Shrub Stratum Are OBL, FACW, or FAC: 1. Prevalence Index worksheet: Total % Cover of: Multiply by: _ x 1 = 4. OBL species FACW species x 2 = 0 x 3 = FAC species (Plot size: 5) 75 FACU species x 4 = 1. Achillea millefolium **FACU** UPL species 0 x 5 = 0 2. Lepidium perfoliatum **FACU** Column Totals: 75 3. Sisymbrium altissimum 30 Yes **FACU** Prevalence Index = B/A = 4. **Hydrophytic Vegetation Indicators:** 5. 6. Dominance Test is >50%

75 =Total Cover

% Cover of Biotic Crust

=Total Cover

% Bare Ground in Herb Stratum 25

Woody Vine Stratum

Remarks:

(Plot size:

Prevalence Index is ≤3.0¹

Hydrophytic Vegetation

Present?

Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

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

SOIL Sampling Point: SP-12d

Profile Desc Depth	cription: (Describe to Matrix	to the dept		ument th x Featur		ator or c	confirm the absence	of indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	narks
0-16	2.5Y 4/2	100	(**************************************		- 71		very fine silt loam		-
0-10	2.01 4/2	100							
¹ Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, 0	S=Cove	ered or C	oated Sa	and Grains. ² Loca	ation: PL=Pore Linin	g, M=Matrix.
	Indicators: (Applica							rs for Problematic I	•
Histosol	(A1)		Sandy Red	dox (S5)			1 cm	Muck (A9) (LRR C)	
Histic Ep	ipedon (A2)		Stripped M	latrix (S6	6)		2 cm	Muck (A10) (LRR B)
Black His	stic (A3)		Loamy Mu	cky Mine	eral (F1)		Iron-	Manganese Masses	(F12) (LRR D)
Hydroge	n Sulfide (A4)		Loamy Gle	yed Mat	rix (F2)		Redu	uced Vertic (F18)	
Stratified	Layers (A5) (LRR C)	Depleted N	/latrix (F	3)		Red	Parent Material (F21)
1 cm Mu	ck (A9) (LRR D)		Redox Dar	k Surfac	e (F6)		Very	Shallow Dark Surface	e (F22)
Depleted	l Below Dark Surface	(A11)	Depleted [ark Sur	face (F7))	Othe	r (Explain in Remark	s)
Thick Da	rk Surface (A12)		Redox Dep	ressions	s (F8)				
	ucky Mineral (S1)								
Sandy G	leyed Matrix (S4)	³ Indicato	rs of hydrophytic v	egetatio	n and we	tland hy	drology must be prese	ent, unless disturbed	or problematic.
Restrictive I	Layer (if observed):								
Type:			<u> </u>						
Depth (ir	nches):						Hydric Soil Presen	t? Yes	No X
HYDROLO									
_	drology Indicators: cators (minimum of o	no ie roquir	and chock all that	annly)			Socondo	ıry Indicators (minimu	ım of two required)
-	Water (A1)	ne is requir	Salt Crust					er Marks (B1) (Riveri	
	ter Table (A2)		Biotic Crus	` '				ment Deposits (B2) (,
Saturation			Aquatic In		es (B13)			Deposits (B3) (River	
	arks (B1) (Nonriveri i	ne)	Hydrogen					nage Patterns (B10)	,
	t Deposits (B2) (Non		Oxidized F					Season Water Table	(C2)
	osits (B3) (Nonriver		Presence	of Reduc	ed Iron ((C4)	Cray	fish Burrows (C8)	
Surface	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soil	s (C6) Satu	ration Visible on Aeri	al Imagery (C9)
Inundation	on Visible on Aerial Ir	nagery (B7) Thin Muck	Surface	(C7)		Shall	low Aquitard (D3)	
Water-St	tained Leaves (B9)		Other (Exp	lain in R	temarks)		FAC-	-Neutral Test (D5)	
Field Obser	vations:								
Surface Wat	er Present? Ye	s	No X	Depth (i	nches):				
Water Table	Present? Ye	s	No X	Depth (i	nches): _				
Saturation P	resent? Ye	s	No X	Depth (i	nches):		Wetland Hydrolo	gy Present? Yes	No X
(includes car	<u> </u>								
Describe Re	corded Data (stream	gauge, mo	nitoring well, aeria	l photos,	, previous	s inspec	tions), if available:		
Remarks:									
Remarks:									
Remarks:									

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morroy	w County	Sampling Date	e: <u>10/28/22</u>
Applicant/Owner: NextEra Energy			State: OR	Sampling Poir	nt: SP-14a
Investigator(s): Jessica Taylor and Katie Pyne	:	Section, Township, Ra	ange: T1S R27E S13		
Landform (hillside, terrace, etc.): Valley	Loca	I relief (concave, conv	vex, none): Concave		Slope (%): 5
Subregion (LRR): LRR B Lat: 45.515199		Long:	-119.309242	Datur	n: NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				fication:	
Are climatic / hydrologic conditions on the site typical for	or this time of year	? Yes X	No (If no, ex		
Are Vegetation, Soil, or Hydrology_X	_		Circumstances" present?		
Are Vegetation , Soil , or Hydrology			xplain any answers in Rer		
SUMMARY OF FINDINGS – Attach site m					atures, etc.
	0	Is the Sampled A			<u> </u>
	<u> </u>	within a Wetland		No	
l	o				
Remarks:		-1		-	
Wetland around overflowing livestock pond.					
VEGETATION – Use scientific names of p					
Tree Stratum (Plot size: 30)		ominant Indicator oecies? Status	Dominance Test wo	rksheet:	
1.	70 GOVE	Otalus Otalus	Number of Dominant		
2.			Are OBL, FACW, or I		3 (A)
3.			Total Number of Dom	ninant Species	
4			Across All Strata:	_	3 (B)
0 11 101 1 01 1 1 1 1 1 1 1 1		al Cover	Percent of Dominant	•	100.00/ /1/5
Sapling/Shrub Stratum (Plot size: 15 1.)		Are OBL, FACW, or I	-AC:	100.0% (A/B)
2.			Prevalence Index w	orkshoot:	
3.			Total % Cover o		fultiply by:
4.			-	20 x 1 =	20
5.			FACW species 2	10 x 2 =	80
	=Tota	al Cover	_ · · ·	10 x 3 =	120
Herb Stratum (Plot size: 5)				0 x 4 = _	0
Urtica dioica Veronica americana	20	Yes FAC Yes OBL		$\frac{0}{0}$ x 5 =	0 220 (B)
Veronica americana Juncus effusus	40	Yes OBL Yes FACW	Column Totals: 1 Prevalence Index		220 (B) 2.20
4	40	17.000	1 Tovalonice index	<i>Bir</i> (20
5.			Hydrophytic Vegeta	tion Indicators:	
6.			X Dominance Test	is >50%	
7			X Prevalence Index		
8			Morphological Ac		
W 1 V 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		al Cover		ks or on a separa	•
Woody Vine Stratum (Plot size:)		Problematic Hydi	. , .	` ' '
1. 2.			¹ Indicators of hydric s be present, unless di		
	=Tota	al Cover	'		
			Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 0 %	Cover of Biotic Cr	ust	_	X No	
Remarks:			•		

SOIL Sampling Point: SP-14a

		to the depth		ument th x Featur		itor or c	onfirm the absence	of indicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	% reatur	es Type ¹	Loc ²	Texture	D	emarks
			Color (IIIOISI)	/0	i ype	LUC	silt loam		Ciliaino
0-16	10YR 2/1	100							
		· —— –							
		. <u> </u>							
								·	
			_					-	
		· — –							
1 _{Type} C-Ce	oncentration, D=Dep	lotion DM=0	Paduaad Matrix (antad Co	and Crains 21 as	ation: PL=Pore Li	ning M-Matrix
	ndicators: (Application)					oated Sa		ors for Problemati	
Histosol	`	able to all Li	Sandy Red		oteu.,			n Muck (A9) (LRR	•
	ipedon (A2)		Stripped M		:)			n Muck (A10) (LRF	
Black His			Loamy Mu		-			-Manganese Mass	
	n Sulfide (A4)		Loamy Gle	-				uced Vertic (F18)	C3 (1 12) (LIXIX D)
	Layers (A5) (LRR (3)	Depleted N					Parent Material (F	:21)
	ck (A9) (LRR D)	-,	Redox Dar	•	,			Shallow Dark Sur	,
	Below Dark Surfac	e (A11)	Depleted [er (Explain in Rema	
	rk Surface (A12)	<i>(</i> , (, , , , , , , , , , , , , , , , , ,	Redox Dep					or (Explain in North	arro,
	ucky Mineral (S1)			J. 000.01.	3 (1. 0)				
	leyed Matrix (S4)	3Indicator	s of hydrophytic y	egetatio	n and we	tland hv	drology must be pres	ent. unless disturb	ed or problematic.
	ayer (if observed)		, , ,			Ť		<u> </u>	<u> </u>
Type:	ayer (ii observeu)	•							
Depth (in	ches).		_				Hydric Soil Preser	nt? Y	es X No
							,		<u> </u>
Remarks:									
HYDROLO	GY								
Wetland Hyd	drology Indicators:								
_	ators (minimum of		ed: check all that	(vlage			Seconda	ary Indicators (mini	imum of two required)
	Nater (A1)	!	Salt Crust					er Marks (B1) (Riv	
	ter Table (A2)		Biotic Crus	` '				iment Deposits (B2	
X Saturatio			Aquatic In		es (B13)			Deposits (B3) (Riv	
	arks (B1) (Nonriver	ine)	X Hydrogen					nage Patterns (B1	
	t Deposits (B2) (No		Oxidized F		, ,			Season Water Tab	
	osits (B3) (Nonrive		Presence			-		fish Burrows (C8)	,
Surface S	Soil Cracks (B6)	·	Recent Iro						verial Imagery (C9)
	n Visible on Aerial I	magery (B7)	Thin Muck	Surface	(C7)			llow Aquitard (D3)	,
	ained Leaves (B9)	,	Other (Exp				X FAC	-Neutral Test (D5)	ı
Field Observ	vations:								
Surface Water	er Present? Ye	es	No	Depth (i	nches):				
Water Table	Present? Ye	es	No	Depth (i	nches):				
Saturation Pr	resent? Ye	es X			nches):		Wetland Hydrolo	gy Present? Y	es X No
(includes cap	oillary fringe)				_				
Describe Red	corded Data (stream	gauge, mor	nitoring well, aeria	l photos,	previous	s inspect	ions), if available:		
D									
Remarks:									

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

OMB Control #: 0710-xxxx, Exp: Pending Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Wheatridge East City/County: Morrow County Sampling Date: 10/28/22 Applicant/Owner: NextEra Energy State: OR Sampling Point: SP-14b Investigator(s): Jessica Taylor and Katie Pyne Section, Township, Range: T1S R27E S13 Landform (hillside, terrace, etc.): Valley Local relief (concave, convex, none): Concave Slope (%): 5 Long: -119.309242 Datum: NAD83 Subregion (LRR): LRR B Lat: 45.515199 Soil Map Unit Name: 35: Onyx Silt Loam NWI classification: No (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes X Are Vegetation_____, Soil_____, or Hydrology_X_ significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation_____, Soil_____, or Hydrology_ 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? Is the Sampled Area Hydric Soil Present? Yes ____ No within a Wetland? Yes No X Wetland Hydrology Present? Yes No Remarks: Upland plot. **VEGETATION – Use scientific names of plants.** Absolute Dominant Indicator Tree Stratum (Plot size: % Cover Species? Status **Dominance Test worksheet:** 1. Number of Dominant Species That 2. Are OBL, FACW, or FAC: (A) **Total Number of Dominant Species** Across All Strata: (B) =Total Cover Percent of Dominant Species That (Plot size: 15) 0.0% (A/B) Sapling/Shrub Stratum Are OBL, FACW, or FAC: 1. Prevalence Index worksheet: Total % Cover of: Multiply by: x 1 = 4. OBL species FACW species x 2 = 5. 0 x 3 = FAC species (Plot size: 5) 20 FACU species x 4 = 1. Bromus tectorum UPL UPL species 80 x 5 = **FACU** 100 2. Sisymbrium altissimum Column Totals: 3. Secale cereale 40 Yes UPL Prevalence Index = B/A = 4. **Hydrophytic Vegetation Indicators:** 5. 6. Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 100 =Total Cover Woody Vine Stratum (Plot size: Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. =Total Cover Hydrophytic Vegetation % Bare Ground in Herb Stratum % Cover of Biotic Crust Present? Remarks:

SOIL Sampling Point: SP-14b

	ription: (Describe Matrix	to the depth		ument th x Featur		itor or c	onfirm the absence	of indicators.)	
Depth (inches)	Color (moist)	<u></u> %	Color (moist)	% reatur	es Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 3/3	100	Joiet (moist)		. , , , ,		sandy loam	- I CITICINO	
0-10	10113/3	100							
								· ·	
			_						_
¹ Type: C=Co	oncentration, D=Dep	letion RM=F	Reduced Matrix (S=Cove	red or Co	oated Sa	and Grains ² Lo	- cation: PL=Pore Lining, M=	-Matrix
	ndicators: (Applica					outou ot		ors for Problematic Hydric	
Histosol	`		Sandy Red		,			m Muck (A9) (LRR C)	
	ipedon (A2)		Stripped M		5)			m Muck (A10) (LRR B)	
Black His			Loamy Mu		-			-Manganese Masses (F12)	(LRR D)
Hydroger	Sulfide (A4)		Loamy Gle	eyed Mat	rix (F2)		Red	duced Vertic (F18)	
Stratified	Layers (A5) (LRR C	;)	Depleted N	лаtrix (F	3)		Red	d Parent Material (F21)	
1 cm Mu	ck (A9) (LRR D)		Redox Dar	k Surfac	e (F6)		Ver	y Shallow Dark Surface (F2	22)
Depleted	Below Dark Surface	(A11)	Depleted [Dark Surf	face (F7)		Oth	er (Explain in Remarks)	
Thick Da	rk Surface (A12)		Redox De	oressions	s (F8)				
Sandy M	ucky Mineral (S1)								
Sandy G	leyed Matrix (S4)	³ Indicator	s of hydrophytic v	egetatio	n and we	tland hy	drology must be pres	sent, unless disturbed or pro	oblematic.
Restrictive L	ayer (if observed):								
Туре:			<u> </u>						
Depth (in	ches):						Hydric Soil Prese	nt? Yes	No X
HYDROLO	GY								
Wetland Hyd	drology Indicators:								
Primary Indic	ators (minimum of c	ne is require	ed; check all that	apply)			Second	ary Indicators (minimum of	two required)
Surface \	Water (A1)		Salt Crust	` ,				ter Marks (B1) (Riverine)	
High Wa	ter Table (A2)		Biotic Crus	st (B12)			Sec	liment Deposits (B2) (River	rine)
Saturatio	,		Aquatic In					t Deposits (B3) (Riverine)	
	arks (B1) (Nonriveri		Hydrogen		, ,			inage Patterns (B10)	
	t Deposits (B2) (Nor	-	Oxidized F			-	· · · — ·	-Season Water Table (C2)	
· ·	osits (B3) (Nonriver	ine)	Presence		-			yfish Burrows (C8)	(00)
	Soil Cracks (B6)	(DZ)	Recent Iro			lied Solis	· · ·	uration Visible on Aerial Ima	agery (C9)
	on Visible on Aerial II	magery (B7)						allow Aquitard (D3) C-Neutral Test (D5)	
	ained Leaves (B9)		Other (Exp	naiii iii N	emarks)		FAG	D-Neutral Test (D5)	
Field Observ			No. V	Donth (i	nahaa\.				
Surface Water					nches): _				
Water Table Saturation Pr		es			nches): _ nches):		Wotland Hydrol	ogy Present? Yes	No X
(includes cap		.s_ <u></u>	NO	Deptii (i			vvetianu riyuror	ogy Fresent: Tes	
	corded Data (stream	dalide mon	nitoring well aeria	l nhotos	nrevious	s inspect	ions) if available:		
Describe Net	orded Data (Stream	gauge, mor	morning wen, aena	ii priotos,	provious	з пізресі	ions), ii availabic.		
Remarks:									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Date:	10/21/	/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-	15a
Investigator(s): EI, EG, AF, LE, JT		Section, T	ownship, Rai	nge: T1S R27E S13			
Landform (hillside, terrace, etc.): Valley Bottom				ex, none): Concave	Slc	pe (%):	2
Subregion (LRR): LRR B Lat: 45.515199	<u> </u>	•		19.309242		NAD8	
Soil Map Unit Name: 35: Onyx Silt Loam			_		cation: Riverine		
Are climatic / hydrologic conditions on the site typical	for this time of	vear?	Yes X	•			
Are Vegetation X , Soil X , or Hydrology X				ircumstances" present?			
Are Vegetation, Soil, or Hydrology				plain any answers in Rem			
SUMMARY OF FINDINGS – Attach site m				-	·	tures, e	etc.
Hydric Soil Present? Yes X	lo lo		Sampled Ar		No		
Remarks: Wetland has been heavily grazed by cattle							
VEGETATION – Use scientific names of p	'						
<u>Tree Stratum</u> (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test work	rehoot:		
1. (Flot size)	70 COVE	Species:	Status	Number of Dominant S			
2.				Are OBL, FACW, or FA	•	2	(A)
3.				Total Number of Domir	nant Species		<i>-</i> .
4	·	Tatal Cause		Across All Strata:		3	(B)
Sapling/Shrub Stratum (Plot size:1.	=	Total Cover		Percent of Dominant S Are OBL, FACW, or FA	•	66.7%	(A/B)
2.				Prevalence Index wor	rksheet:		
3.				Total % Cover of:	Mul	Itiply by:	
4				OBL species 30	x 1 =	30	
5				FACW species 45		90	
(5)	=	Total Cover		FAC species 5		15	
Herb Stratum (Plot size: 5 feet)	45	Voo	FACW	FACU species 0 UPL species 0		0	
Echinochloa crus-galli Nasturtium officinale	20	Yes Yes	OBL	Column Totals: 80			(B)
Polypogon monspeliensis	5	No	OBL	Prevalence Index =			(0)
4. Polygonum sp.	20	Yes					
5. Rumex crispus	5	No	FAC	Hydrophytic Vegetation	on Indicators:		
6. Juncus articulatus	3	No	OBL	X Dominance Test is	; >50%		
7. Veronica americana	2	No	OBL	X Prevalence Index is	s ≤3.0 ¹		
8	400 -	Tatal Causa		Morphological Ada	ptations ¹ (Provide s or on a separate		ing
Woody Vine Stratum (Plot size:		Total Cover		Problematic Hydro	·		n)
1	. /			¹ Indicators of hydric so			•
2.				be present, unless dist			iust
% Bare Ground in Herb Stratum %	= Cover of Biotic	Total Cover		Hydrophytic Vegetation Present? Yes	X No		
Remarks:							

SOIL Sampling Point: SP-15a

Profile Desc Depth	ription: (Describe t Matrix	to the dept		ıment t r x Featur		ator or c	onfirm the absence	of indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-14	10YR 2/1	100	Color (molot)		.) 0		silt loam		
	101112/1								
-									
¹Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, C	S=Cove	red or C	oated Sa	and Grains. ² Loca	ation: PL=Pore Lining, M=Ma	trix.
Hydric Soil	ndicators: (Applica	ble to all L	RRs, unless other	rwise n	oted.)		Indicator	s for Problematic Hydric Sc	oils³:
Histosol	(A1)		Sandy Red				1 cm	Muck (A9) (LRR C)	
Histic Ep	ipedon (A2)		Stripped M	latrix (S6	6)		2 cm	Muck (A10) (LRR B)	
Black His	stic (A3)		Loamy Mu	-			Iron-l	Manganese Masses (F12) (LF	RR D)
	n Sulfide (A4)		Loamy Gle	-				iced Vertic (F18)	
	Layers (A5) (LRR C)	Depleted N					Parent Material (F21)	
	ck (A9) (LRR D)		x Redox Dar					Shallow Dark Surface (F22)	
	Below Dark Surface	(A11)	Depleted [)	Othe	r (Explain in Remarks)	
	rk Surface (A12)		Redox Dep	pressions	s (F8)				
	ucky Mineral (S1) leyed Matrix (S4)	3Indicato	re of hydrophytic y	ogotatio	n and we	stland by	drology must be prose	ent, unless disturbed or proble	matic
		indicato	is of flydropflytic v	egetatioi	ii aiiu we	tianu ny	diology must be prese	ent, unless disturbed of proble	mano.
Type:	_ayer (if observed): rock								
Depth (ir		14					Hydric Soil Present	t? Yes X	No
		1-1					Tryuno com ricocm	100 <u>X</u>	<u> </u>
Remarks:									
HYDROLO	GY								
Wetland Hyd	drology Indicators:								
-	cators (minimum of o	ne is requir						ry Indicators (minimum of two	required)
x Surface	` '		Salt Crust	` '				er Marks (B1) (Riverine)	
·	ter Table (A2)		Biotic Crus					ment Deposits (B2) (Riverine)
x Saturation	, ,		Aquatic Inv					Deposits (B3) (Riverine)	
	arks (B1) (Nonriveri		x Hydrogen		-			age Patterns (B10)	
	t Deposits (B2) (Non	•	Oxidized R			-		Season Water Table (C2) fish Burrows (C8)	
	osits (B3) (Nonriver i Soil Cracks (B6)	ille)	Recent Iro			. ,		ration Visible on Aerial Image	rv (C9)
	on Visible on Aerial Ir	nagery (B7				ilea ooii	` '	ow Aquitard (D3)	iy (Ca)
	tained Leaves (B9)		Other (Exp					Neutral Test (D5)	
Field Obser	. ,							(- /	
Surface Wat		s x	No	Depth (ir	nches):	1			
Water Table				Depth (in	· -	0			
Saturation P				Depth (in	′ -	0	Wetland Hydrolog	gy Present? Yes X	No
(includes cap	oillary fringe)				_	,			
Describe Re	corded Data (stream	gauge, mo	nitoring well, aeria	l photos,	previou	s inspec	tions), if available:		
Dame 1									
Remarks:	ater, 100% saturatio	n Fed via	nine from enring fo	d cattle	nond				
ZIII SUIIAUE V	rator, 10070 SaturallO	ıı. ı c u via	PIPE HOIH SPIHIU IC	u vallici					
					pond				
					poria				

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Dat	te: 10/23/2022
Applicant/Owner: NextEra Energy			'	State: OR	Sampling Poi	nt: SP-15b
Investigator(s): EI, AF, EG, JT, LE, KP		Section, T	ownship, Ra	nge: T1S R27E S13	 ;	
Landform (hillside, terrace, etc.): Valley E	Bottom	Local relief (co	ncave, conv	ex, none): none		Slope (%): 2
Subregion (LRR): LRR B Lat:	45.515199		Long: -	119.309242	Datur	m: NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI clas	sification:	
Are climatic / hydrologic conditions on the	site typical for this time o	f year?	Yes X		-	
Are Vegetation X , Soil X , or Hyd				Circumstances" preser		
Are Vegetation, Soil, or Hyd				plain any answers in F	·	
SUMMARY OF FINDINGS – Atta			g point lo	cations, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X		n a Wetland		No X	
	No X					
Remarks:		•				
VEGETATION II : 4/6						
VEGETATION – Use scientific r	Absolute	Dominant	Indicator	1		
<u>Tree Stratum</u> (Plot size:		Species?	Status	Dominance Test v	vorksheet:	
1.				Number of Domina	nt Species That	
2				Are OBL, FACW, o	r FAC:	0 (A)
3.				Total Number of Do	ominant Species	4 (D)
4.		=Total Cover		Across All Strata:		1(B)
Sapling/Shrub Stratum (Plot size:		- Total Cover		Percent of Dominal Are OBL, FACW, o	•	0.0% (A/B)
1.					_	(
2.				Prevalence Index	worksheet:	
3				Total % Cover	of: N	Multiply by:
4.				OBL species	0 x1=	0
5		=Total Cover		FACW species FAC species	3 x 2 = 1 x 3 =	3
Herb Stratum (Plot size: 5 fe		- Total Cover		FACU species	100 x 4 =	400
1. Hordeum murinum	95	Yes	FACU	UPL species	5 x 5 =	25
2. Centaurea diffusa	5	No	UPL	Column Totals:	109 (A)	434 (B)
3. Rumex crispus	1	No	FAC	Prevalence Inde	x = B/A =3	3.98
4. Lactuca serriola		No No	FACU			
5. Atriplex prostrata	3	No	FACW	Hydrophytic Vege		
6				Dominance Tea		
8.					Adaptations ¹ (Provi	ide supporting
	109	=Total Cover			arks or on a separa	
Woody Vine Stratum (Plot size:)			Problematic Hy	drophytic Vegetati	on ¹ (Explain)
1.				¹ Indicators of hydric		
2		-Total Cavar		be present, unless	disturbed or proble	matic.
		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum	% Cover of Biot	ic Crust		Vegetation Present? Ye	es No	
Remarks:	-			l		

SOIL Sampling Point: SP-15b

	ription: (Describe t	o the depth				itor or c	confirm the abs	sence of indicato	ors.)	
Depth (inches)	Matrix Color (moist)	<u></u> %	Color (moist)	x Featur		Loc ²	Texture		Remarks	
(inches)			Color (ITIOISI)		Type ¹	LUC	silt loam		Remarks	
0-24	10YR 3/2	100	_				Silt loam			
							<u> </u>			
17		- #: DM - F	De de ce d'Alebric C					21	Den Lining M. M.	4.0.
- ' '	ncentration, D=Depl					oated Sa			Pore Lining, M=Ma	
1 -	ndicators: (Applica	DIE LO AII LI	•		•		inc		olematic Hydric S	olis :
Histosol (pedon (A2)		Sandy Red Stripped M					_ 1 cm Muck (A9) 2 cm Muck (A1)		
				,	,			_	e Masses (F12) (L	DD D)
Black His	Sulfide (A4)		Loamy Mu Loamy Gle	-				Reduced Vertic	, , ,	KK D)
	Layers (A5) (LRR C	١	Depleted N	-				Red Parent Mat	` '	
	ck (A9) (LRR D)	,	Redox Dar						ark Surface (F22)	
	Below Dark Surface	(Δ11)	Depleted D					Other (Explain i	, ,	
l ——	k Surface (A12)	(7.11)	Redox Dep		, ,	•		_ Other (Explain)	ii Keiliaiks)	
	ucky Mineral (S1)			710001011	3 (1 0)					
	eyed Matrix (S4)	3Indicator	s of hydrophytic y	egetatio	n and we	tland hv	drology must be	e present. unless	disturbed or probl	ematic.
	ayer (if observed):		, , ,	<u> </u>		Ī	37	<u>'</u>	<u>'</u>	
Type:	Rock									
Depth (in							Hydric Soil P	resent?	Yes	No X
Remarks:							,			
HYDROLO	GY									
_	rology Indicators:									
Primary Indic	ators (minimum of o	ne is require	ed; check all that a	apply)			<u>Se</u>	condary Indicator	rs (minimum of two	o required)
	Vater (A1)		Salt Crust	'				_Water Marks (B		
l —	er Table (A2)		Biotic Crus					_	sits (B2) (Riverine	e)
Saturatio	` '		Aquatic Inv		, ,			_Drift Deposits (I	,	
	arks (B1) (Nonriveri		Hydrogen		-			_Drainage Patter	` ,	
	Deposits (B2) (Non		Oxidized R			-	oots (C3)	_Dry-Season Wa		
	osits (B3) (Nonriver	ine)	Presence of		,	,		Crayfish Burrow	` '	(CO)
	Soil Cracks (B6)	magan/ (D7)	Recent Iro			liea Soli		_	ole on Aerial Image	ery (C9)
	n Visible on Aerial Ir	nagery (B7)						_ Shallow Aquitar	` '	
	ained Leaves (B9)		Other (Exp	iain in F	kernarks)		_	FAC-Neutral Te	est (D5)	
Field Observ		_	Nia v	Danth (
Surface Wate					nches): _					
Water Table Saturation Pr		s			nches): _		Watland Hy	drology Broson	t2 Voc	No V
		<u> </u>	No x	Deptii (i	nches):		welland ny	drology Presen	t? Yes	No X
(includes cap	orded Data (stream	dalide mor	nitoring well aeria	l nhotos	nrevious	s inspec	tions) if availah	ılo:		
Describe Nec	orded Data (Stream	gauge, mor	illoring well, aeria	i priotos	, previous	з пізрес	ilons), ii avallab			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrov	w County	Sampling Date:	10/21/2022
Applicant/Owner: Next Era Energy			State: OR	Sampling Point:	SP-18a
Investigator(s): EI, EG, AF, LE		Section, Township, R	ange: 1S 27E S6		
Landform (hillside, terrace, etc.): Valley Bo	ottom Lo	ocal relief (concave, con	vex, none): Concave	Slop	e (%):2
Subregion (LRR): LRR B Lat:	45.515199	Long: _	-119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam			NWI classif	ication: Riverine	
Are climatic / hydrologic conditions on the	site typical for this time of	/ear? Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation <u>X</u> , Soil <u>X</u> , or Hydr	ology <u>X</u> significantly dis	sturbed? Are "Normal	Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydr	ologynaturally proble	ematic? (If needed, e	xplain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Atta	ch site map showing	sampling point lo	ocations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	X No	Is the Sampled /	Area		
Hydric Soil Present? Yes		within a Wetland		No	
Wetland Hydrology Present? Yes	X No			-	
Remarks:					
Wetland has been heavily grazed by cattl	e				
VECETATION Line aciontific n	amaa of plants				
VEGETATION – Use scientific na	Absolute	Dominant Indicator			
<u>Tree Stratum</u> (Plot size:		Species? Status	Dominance Test wor	ksheet:	
1.			Number of Dominant S	•	
2. 3.	·		Are OBL, FACW, or F		1 (A)
4.			Total Number of Domi Across All Strata:	nant Species	1 (B)
	₌ -	Total Cover	Percent of Dominant S	———Species That	(-)
Sapling/Shrub Stratum (Plot size:)		Are OBL, FACW, or F	•	0.0% (A/B)
1					
2. 3.	·		Prevalence Index wo Total % Cover of		nh. h. a
1			OBL species 0		ply by: 0
5.			FACW species 99		98
	=	Total Cover	FAC species 0	x 3 =	0
Herb Stratum (Plot size: 5 fee			FACU species 0		0
 Phalaris arundinacea Onopordum acanthium 	99	Yes FACW No UPL	UPL species1 Column Totals: 10		5 203 (B)
3.		NO OFL	Prevalence Index		
4.					
5.			Hydrophytic Vegetat	ion Indicators:	
6			X Dominance Test is		
7			X Prevalence Index		
8	100 =	Total Cover		aptations ¹ (Provide s s or on a separate s	
Woody Vine Stratum (Plot size:)	Total Gover		ophytic Vegetation ¹	•
1.			¹ Indicators of hydric so	oil and wetland hydr	ology must
2			be present, unless dis		
	=	Total Cover	Hydrophytic		
% Bare Ground in Herb Stratum 30	% Cover of Biotic	Crust	Vegetation Present? Yes	X No	
Remarks:	70 COVEL OF DIOLIC		7 10301117 103	<u> </u>	_
nomains.					

SOIL Sampling Point: SP-18a

	•	o the depti				itor or o	confirm the absence	of indicators.)	
Depth	Matrix			x Featur		. 2	- .	5	
(inches)	Color (moist)	<u> </u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Ren	narks
0-24	10YR 2/1	100					silt loam		
		, <u> </u>	_				•		
			_						
								·	
¹ Type: C=Co	ncentration, D=Depl	etion RM-F	Reduced Matrix C		red or C	oated S	and Grains ² I or	cation: PL=Pore Linir	ag M-Matrix
	ndicators: (Applica					bateu 5		ors for Problematic	
Histosol	`	DIE LO AII LI	Sandy Red		oteu.,			n Muck (A9) (LRR C)	-
			Stripped M		:\			n Muck (A10) (LRR E	
	ipedon (A2)			•	•				
Black His	` '		Loamy Mu	-				-Manganese Masses	(F12) (LRR D)
	n Sulfide (A4)		Loamy Gle					luced Vertic (F18)	1)
	Layers (A5) (LRR C)	Depleted N	•	•			Parent Material (F21	
	ck (A9) (LRR D)	(0.44)	Redox Dar					y Shallow Dark Surfa	
	Below Dark Surface	(ATT)	Depleted D)	Oth	er (Explain in Remark	(S)
	rk Surface (A12)		Redox Dep	pressions	s (F8)				
	ucky Mineral (S1)	3							
Sandy G	leyed Matrix (S4)	Indicator	s of hydrophytic v	egetatio	n and we	tland hy	drology must be pres	sent, unless disturbed	or problematic.
Restrictive L	.ayer (if observed):								
Type:			_						
Depth (in	ches):		_				Hydric Soil Presei	nt? Yes	XNo
HYDROLO	GY								
Wetland Hyd	Irology Indicators:								
Primary Indic	ators (minimum of o	ne is require	ed; check all that a	apply)			Second	ary Indicators (minim	um of two required)
x Surface	Nater (A1)		Salt Crust	(B11)			Wat	ter Marks (B1) (River	ine)
_x_High Wa	ter Table (A2)		Biotic Crus	t (B12)			Sed	liment Deposits (B2)	(Riverine)
x Saturation	n (A3)		Aquatic Inv	/ertebrat	es (B13)		Driff	t Deposits (B3) (Rive	rine)
Water M	arks (B1) (Nonriveri	ne)	_x_Hydrogen	Sulfide C	Odor (C1))	Dra	inage Patterns (B10)	
Sedimen	t Deposits (B2) (Non	riverine)	Oxidized R	hizosph	eres on l	_iving R	oots (C3) Dry-	-Season Water Table	(C2)
Drift Dep	osits (B3) (Nonriver	ine)	Presence of	of Reduc	ed Iron ((C4)	Cra	yfish Burrows (C8)	
Surface	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soil	ls (C6) Sati	uration Visible on Aer	ial Imagery (C9)
_x_Inundation	n Visible on Aerial Ir	magery (B7)	Thin Muck	Surface	(C7)		Sha	llow Aquitard (D3)	
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		<u>X</u> FAC	C-Neutral Test (D5)	
Field Observ	/ations:								
Surface Water	er Present? Ye	s x	No	Depth (ii	nches):	1			
Water Table		s x		Depth (ii	· -	0			
Saturation Pr	esent? Ye	s X			nches):	0	Wetland Hydrolo	ogy Present? Yes	X No
(includes cap	illary fringe)				· -				
	corded Data (stream	gauge, mor	nitoring well, aeria	l photos,	previous	s inspec	ctions), if available:		
Remarks:	00% saturation								
iiii suiiace T	บบ /0 SaturatiOH								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Date:	10/21/2022
Applicant/Owner: Next Era Energy				State: OR	Sampling Point:	SP-18b
Investigator(s): EI, AF, EG, JT, LE, KP		Section, 1	ownship, Ra	ange: 1S 27E S6		
Landform (hillside, terrace, etc.): Valley Bottom	L	ocal relief (co	oncave, conv	ex, none): none	Slop	e (%): 2
Subregion (LRR): LRR B Lat: 45.515199			Long:	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation \underline{X} , Soil \underline{X} , or Hydrology \underline{X}	significantly di	isturbed? A	re "Normal (Circumstances" present?	Yes X No	·
Are Vegetation, Soil, or Hydrology	_naturally prob	lematic? (f needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site n	nap showing	g sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No <u>X</u>					
Remarks:						
VEGETATION – Use scientific names of	nlante					
VEGETATION - 030 30101111110 11111103 01	Absolute	Dominant	Indicator	Ι		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.				Number of Dominant		0 (4)
2. 3.				Are OBL, FACW, or F		0 (A)
4.	- ——			Total Number of Dom Across All Strata:	ilinant Species	1 (B)
	=	Total Cover		Percent of Dominant	Species That	
Sapling/Shrub Stratum (Plot size:	_)			Are OBL, FACW, or F	AC: 0.	.0% (A/B)
1.				Duning lands and an extension	- wisa ba a str	
2. 3.				Prevalence Index wo Total % Cover o		iply by:
4.					0 x 1 =	0
5.				FACW species	0 x 2 =	0
	=	Total Cover				0
Herb Stratum (Plot size: 5 feet) 1. Secale cereale	98	Yes	UPL	· —		<u>12</u> 500
Lactuca serriola	3	No	FACU	· -		512 (B)
3. Onopordum acanthium	2	No	UPL	Prevalence Index	` `	
4.						
5.				Hydrophytic Vegetat		
6. 7.				Dominance Test Prevalence Index		
8.					aptations¹ (Provide s	supporting
S	103 =	Total Cover			s or on a separate s	
Woody Vine Stratum (Plot size:	_)			Problematic Hydr	ophytic Vegetation ¹	(Explain)
1. 2.	_			¹ Indicators of hydric s be present, unless dis	•	0,
	- <u></u> -	Total Cover		Hydrophytic	F. 22.2711 a .	
				Vegetation		
% Bare Ground in Herb Stratum %	Cover of Biotic	Crust	_	Present? Yes	No	-
Remarks:						

SOIL Sampling Point: SP-18b

Depth				v Faatur	20				
(inches)	Matrix	0/		x Featur		1.5.2	T.,	_	Domarica
(inches)	Color (moist)	<u>%</u> _	Color (moist)	%	Type ¹	Loc ²	Texture silt loam		Remarks
0-8	10YR 3/3	100					- Silt Idaili		
	_								
							_		
¹ Type: C=Con	ncentration, D=Deple	etion, RM=	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains.	² Locatio	n: PL=Pore Lining, M=Matrix.
Hydric Soil In	dicators: (Applicat	ole to all L	RRs, unless other	rwise n	oted.)		Ir	idicators f	or Problematic Hydric Soils ³ :
Histosol (A	A1)		Sandy Red	dox (S5)				1 cm Mu	uck (A9) (LRR C)
Histic Epip	pedon (A2)		Stripped M	latrix (S6	5)			2 cm M	uck (A10) (LRR B)
Black Hist	ic (A3)		Loamy Mu	cky Mine	eral (F1)			Iron-Ma	nganese Masses (F12) (LRR D)
Hydrogen	Sulfide (A4)		Loamy Gle	yed Mat	rix (F2)		_	Reduce	d Vertic (F18)
	_ayers (A5) (LRR C))	Depleted N	-	-				rent Material (F21)
	k (A9) (LRR D)		Redox Dar						allow Dark Surface (F22)
Depleted E	Below Dark Surface	(A11)	Depleted [Dark Surf	ace (F7))	_	Other (E	Explain in Remarks)
Thick Dark	k Surface (A12)		Redox Dep	pressions	s (F8)				
Sandy Mu	cky Mineral (S1)								
Sandy Gle	eyed Matrix (S4)	³ Indicator	rs of hydrophytic v	egetatio	n and we	tland hy	drology must b	oe present,	unless disturbed or problematic.
Restrictive La	yer (if observed):								
Type:	Rock								
Depth (inc	hes):	8					Hydric Soil	Present?	Yes No _X
Remarks:									
HYDROLOG	BY								
Wetland Hydr	ology Indicators:	ne is requir	ed: check all that a	apply)			s	econdary I	ndicators (minimum of two required
Wetland Hydr Primary Indica	ology Indicators: itors (minimum of or	ne is requir					<u>s</u>	-	ndicators (minimum of two required
Wetland Hydr Primary Indica Surface W	rology Indicators: tors (minimum of or /ater (A1)	ne is requir	Salt Crust	(B11)			<u>s</u>	Water N	Marks (B1) (Riverine)
Wetland Hydr Primary Indica Surface W High Wate	rology Indicators: htors (minimum of or later (A1) er Table (A2)	ne is requir	Salt Crust Biotic Crus	(B11) st (B12)	es (B13)		<u>s</u> 	Water M Sedime	Marks (B1) (Riverine) nt Deposits (B2) (Riverine)
Wetland Hydr Primary Indica Surface W High Wate Saturation	rology Indicators: tors (minimum of or /ater (A1) er Table (A2) (A3)		Salt Crust Biotic Crus Aquatic Inv	(B11) st (B12) vertebrat			<u>S</u>	Water M Sedime Drift De	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine)
Primary Indica Surface W High Wate Saturation Water Mar	rology Indicators: tors (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverir	ne)	Salt Crust Biotic Crus Aquatic In	(B11) st (B12) vertebrat Sulfide C	odor (C1)		Water M Sedime Drift De Drainag	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Interpolate (B10)
Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment	rology Indicators: ators (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverir Deposits (B2) (Non	ne) riverine)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized F	(B11) st (B12) vertebrat Sulfide C Rhizosph	odor (C1 eres on l) ₋iving R		Water M Sedime Drift De Drainag Dry-Sea	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Interpolate (B3) (Riverine) Interpolate (B10) Interpolate
Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depor	rology Indicators: ators (minimum of or /ater (A1) er Table (A2) a (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri	ne) riverine)	Salt Crust Biotic Crus Aquatic In	(B11) st (B12) vertebrat Sulfide C Rhizosphof Reduc	Odor (C1 eres on leed Iron () ₋iving R [C4)	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposit (B10) Int
Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo	rology Indicators: https://dicators.com/ater (A1) or Table (A2) or (A3) rks (B1) (Nonrivering Deposits (B2) (Nonsits (B3) (Nonrivering) oil Cracks (B6)	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized R Presence of	(B11) st (B12) vertebrat Sulfide C Rhizosphof Reduc n Reduc	Odor (C1) eres on leed Iron (tion in Ti) ₋iving R [C4)	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposit (B10)
Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depor	rology Indicators: ators (minimum of or /ater (A1) er Table (A2) a (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized F Presence of Recent Iro Thin Muck	(B11) st (B12) vertebrat Sulfide C Rhizosphof Reduc n Reduc Surface	Odor (C1) eres on leed Iron (tion in Ti (C7)) ₋iving R [C4)	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposit (B10) Int
Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depor Surface So Inundation Water-Sta	rology Indicators: ators (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri oil Cracks (B6) n Visible on Aerial In ined Leaves (B9)	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized R Presence of	(B11) st (B12) vertebrat Sulfide C Rhizosphof Reduc n Reduc Surface	Odor (C1) eres on leed Iron (tion in Ti (C7)) ₋iving R [C4)	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10)
Wetland Hydr Primary Indica Surface W High Water Saturation Water Man Sediment Drift Depor	rology Indicators: ators (minimum of or /ater (A1) er Table (A2) er (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri oil Cracks (B6) er Visible on Aerial In ined Leaves (B9) ations:	ne) riverine) ne) nagery (B7	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C Rhizosphi of Reduc n Reduc Surface blain in R	Odor (C1 eres on I ed Iron (tion in Ti (C7) emarks)) _iving R [C4) Iled Soil	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10)
Wetland Hydr Primary Indica Surface W High Water Saturation Water Man Sediment Drift Depor Surface So Inundation Water-Sta Field Observa Surface Water	rology Indicators: ators (minimum of or /ater (A1) or Table (A2) or (A3) rks (B1) (Nonrivering Deposits (B2) (Nonsits (B3) (Nonrivering oil Cracks (B6) or Visible on Aerial Intined Leaves (B9) ations: r Present? Yes	ne) riverine) ne) nagery (B7	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C Rhizospho of Reduc n Reduc Surface olain in R	Odor (C1) eres on I ed Iron (tion in Ti (C7) emarks)) _iving R (C4) Iled Soil	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10)
Wetland Hydr Primary Indica Surface W High Water Saturation Water Man Sediment Drift Depo Surface So Inundation Water-Sta Field Observa Surface Water Water Table P	rology Indicators: ators (minimum of or /ater (A1) at Table (A2) a (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri oil Cracks (B6) a Visible on Aerial In ined Leaves (B9) ations: r Present? Yes	ne) riverine) ne) nagery (B7	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized F Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizosphof Reduc n Reduc Surface olain in R Depth (in	odor (C1 eres on I ed Iron (tion in Ti (C7) emarks) nches):) _iving R (C4) Iled Soil	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) (Riverine) Int Depo
Wetland Hydr Primary Indica Surface W High Water Saturation Water Man Sediment Drift Depor Surface So Inundation Water-Sta Field Observa Surface Water Water Table P Saturation Pre	rology Indicators: tors (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri oil Cracks (B6) a Visible on Aerial In ined Leaves (B9) ations: r Present? Yes resent? Yes resent? Yes	ne) riverine) ne) nagery (B7	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized F Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C Rhizospho of Reduc n Reduc Surface olain in R	odor (C1 eres on I ed Iron (tion in Ti (C7) emarks) nches):) _iving R (C4) Iled Soil	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10)
Wetland Hydr Primary Indica Surface W High Water Saturation Water Man Sediment Drift Depor Surface So Inundation Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil	rology Indicators: tors (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri oil Cracks (B6) n Visible on Aerial In ined Leaves (B9) ations: r Present? Yes resent? Yes sent? Yes lary fringe)	ne) riverine) ne) nagery (B7	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence C Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) (Riverine) Int Depo
Wetland Hydr Primary Indica Surface W High Water Saturation Water Man Sediment Drift Depor Surface So Inundation Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil	rology Indicators: tors (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri oil Cracks (B6) a Visible on Aerial In ined Leaves (B9) ations: r Present? Yes resent? Yes resent? Yes	ne) riverine) ne) nagery (B7	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence C Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) (Riverine) Int Depo
Wetland Hydr Primary Indica Surface W High Water Saturation Water Man Sediment Drift Depor Surface So Inundation Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil	rology Indicators: tors (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri oil Cracks (B6) n Visible on Aerial In ined Leaves (B9) ations: r Present? Yes resent? Yes sent? Yes lary fringe)	ne) riverine) ne) nagery (B7	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence C Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) (Riverine) Int Depo
Wetland Hydr Primary Indica Surface W High Water Saturation Water Man Sediment Drift Depor Surface So Inundation Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil	rology Indicators: tors (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri oil Cracks (B6) n Visible on Aerial In ined Leaves (B9) ations: r Present? Yes resent? Yes sent? Yes lary fringe)	ne) riverine) ne) nagery (B7	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence C Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) (Riverine) Int Depo
Wetland Hydr Primary Indica Surface W High Water Saturation Water Man Sediment Drift Depor Surface So Inundation Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil	rology Indicators: tors (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) (Nonriverir Deposits (B2) (Non sits (B3) (Nonriveri oil Cracks (B6) n Visible on Aerial In ined Leaves (B9) ations: r Present? Yes resent? Yes sent? Yes lary fringe)	ne) riverine) ne) nagery (B7	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence C Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	oots (C3)	Water M Sedime Drift De Drainag Dry-Sea Crayfish Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) (Riverine) Int Depo

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cour	nty: Morrow	County	Sampling Date:	10/21/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18c
Investigator(s): EI, EG, AF, LE		Section, T	ownship, Rar	nge: 1S 27E S7		
Landform (hillside, terrace, etc.): Valley Bottom	Lo	cal relief (co	ncave, conve	ex, none): Concave	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: <u>-1</u>	19.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classifi	cation: Riverine	
Are climatic / hydrologic conditions on the site typical for	this time of y	ear?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation $\underline{\hspace{1cm} X\hspace{1cm}}$, Soil $\underline{\hspace{1cm} X\hspace{1cm}}$, or Hydrology $\underline{\hspace{1cm} X\hspace{1cm}}$ sign	gnificantly dis	turbed? A	re "Normal C	ircumstances" present?	Yes X No	'
Are Vegetation, Soil, or Hydrologyna	turally proble	ematic? (I	f needed, exp	olain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampling	g point loc	ations, transects,	important feat	ıres, etc.
Hydrophytic Vegetation Present? Yes X No		Is the	Sampled Ar	ea		
			n a Wetland?		No	
Wetland Hydrology Present? Yes X No						
Remarks:						
Wetland has been heavily grazed by cattle						
VEGETATION – Use scientific names of pla	nte					
•		Dominant	Indicator			
·	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1 2.				Number of Dominant S Are OBL, FACW, or FA		1 (A)
3.				Total Number of Domi		1 (A)
4.				Across All Strata:	папт орестев	1 (B)
	=1	otal Cover		Percent of Dominant S		
Sapling/Shrub Stratum (Plot size:)				Are OBL, FACW, or F	AC: 100	0.0% (A/B)
1				Prevalence Index wo	wka ba a tu	
3.				Total % Cover of:		ply by:
4.				OBL species 10		10
5				FACW species 60	0 x 2 = 1	20
	=1	otal Cover		FAC species 0		0
Herb Stratum (Plot size: 5 feet) 1. Polypogon monspeliensis	60	Yes	FACW	FACU species 0 UPL species 0		0
Veronica americana	9	No	OBL	Column Totals: 70		30 (B)
3. Lemna minor	1	No	OBL	Prevalence Index =	``	
4						
5				Hydrophytic Vegetati		
6				X Dominance Test is X Prevalence Index		
8.					aptations ¹ (Provide s	supporting
	70 =1	otal Cover			s or on a separate s	
Woody Vine Stratum (Plot size:)				Problematic Hydro	ophytic Vegetation ¹	(Explain)
1 2.				¹ Indicators of hydric so be present, unless dist	•	
	=T	otal Cover		•	unded of probletilat	ю.
-				Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 30 % Co	ver of Biotic	Crust	_	Present? Yes	X No	_
Remarks:						

SOIL Sampling Point: SP-18c

Profile Desc Depth	ription: (Describe Matrix	to the dept		ment th		tor or c	confirm the absence of	indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-20	10YR 2/2	80	7.5YR 4/6	20	RM		very fine silty sand	
	101112/2		7.011(1/0					
¹ Type: C=Cd	oncentration, D=Dep	letion, RM=	Reduced Matrix, C	S=Cove	red or C	oated Sa	and Grains. ² Location	on: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless othe	rwise n	oted.)		Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Red	ox (S5)			1 cm M	Muck (A9) (LRR C)
Histic Ep	ipedon (A2)		Stripped M	atrix (S6	6)		2 cm M	Muck (A10) (LRR B)
Black His	stic (A3)		Loamy Mud	cky Mine	eral (F1)		Iron-Ma	anganese Masses (F12) (LRR D)
Hydroge	n Sulfide (A4)		Loamy Gle	yed Mat	rix (F2)		Reduce	ed Vertic (F18)
Stratified	Layers (A5) (LRR C	;)	Depleted M	latrix (F	3)			arent Material (F21)
1 cm Mu	ck (A9) (LRR D)		x Redox Dar		` '			hallow Dark Surface (F22)
	Below Dark Surface	e (A11)	Depleted D		, ,)	Other ((Explain in Remarks)
	rk Surface (A12)		Redox Dep	ressions	s (F8)			
	ucky Mineral (S1)	3						
	leyed Matrix (S4)	Indicato	rs of hydrophytic ve	egetatio	n and we	tland ny	drology must be present	t, unless disturbed or problematic.
	_ayer (if observed):							
Type:	Rock							
Depth (in	nches):	20					Hydric Soil Present?	Yes X No
HYDROLO								
_	drology Indicators:							
	cators (minimum of o	ne is requir						Indicators (minimum of two required)
x Surface	` '		Salt Crust (,				Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crus		oo (D12)			ent Deposits (B2) (Riverine)
x Saturation	arks (B1) (Nonriveri	no)	Aquatic Inv x Hydrogen \$					eposits (B3) (Riverine) ge Patterns (B10)
	it Deposits (B2) (No r		Oxidized R					eason Water Table (C2)
	osits (B3) (Nonriver		X Presence of			-	• • — •	th Burrows (C8)
	Soil Cracks (B6)	,	Recent Iron			,		tion Visible on Aerial Imagery (C9)
	on Visible on Aerial I	magery (B7						w Aquitard (D3)
	tained Leaves (B9)	3 7 (Other (Exp					eutral Test (D5)
Field Observ	vations:							
Surface Water	er Present? Ye	s x	No	Depth (ii	nches):	1		
Water Table	Present? Ye	s x	No	Depth (ii	nches):	0		
Saturation Pr	resent? Ye	s X	No	Depth (ii	nches):	0	Wetland Hydrology	Present? Yes X No
(includes cap	oillary fringe)		·					
Describe Red	corded Data (stream	gauge, mo	nitoring well, aerial	photos,	previous	s inspec	tions), if available:	
Remarks:								
i tomants.								
Saturation at	10 inches							
	10 inches							

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow County Sampling Date:				
Applicant/Owner: NextEra Energy	State: OR	Sampling Point:	SP-18d			
Investigator(s): EI, AF, EG, JT, LE, KP		Section,	Township, Ra	ange: 1S 27E S7		
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (c	oncave, conv	ex, none): none	Slop	e (%):2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classit	fication:	
Are climatic / hydrologic conditions on the site typical for	or this time of	f year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly o	disturbed?	Are "Normal (Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? ((If needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site ma	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes No	o X	Is the	e Sampled A	rea		
	о <u>X</u>		in a Wetland		No X	
	о <u>X</u>				·	
Remarks:						
VECETATION Has a district to a second of	14-					
VEGETATION – Use scientific names of p	Absolute	Dominant	Indicator	1		
Tree Stratum (Plot size:)	% Cover		Status	Dominance Test wo	rksheet:	
1				Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	1 (A)
3.				Total Number of Dom	inant Species	0 (D)
4		Total Cover		Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size:		10101 00101		Percent of Dominant Are OBL, FACW, or F	•).0% (A/B)
1.	,			, ,		<u> `</u>
2.				Prevalence Index wo	orksheet:	
3				Total % Cover of		ply by:
4				· ·	0 x1=	0
5		=Total Cover		· -	0 x 2 = 35 x 3 = 1	0 105
Herb Stratum (Plot size: 5 feet)		10101 00101				12
1. Ericameria nauseosa	5	No	UPL		58 x 5 = 2	290
2. Bromus diandrus	18	No	UPL	Column Totals: 9	06 (A) 4	107 (B)
3. Distichlis spicata	35	Yes	FAC	Prevalence Index	= B/A = <u>4.24</u>	
4. Bromus tectorum	<u>35</u>	Yes	UPL	Huduanh dia Vanatat	ian Indiantana.	
Achillea millefolium Lepidium perfoliatum	1	No No	FACU FACU	Hydrophytic Vegetat Dominance Test		
7. Hordeum murinum	1	No	FACU	Prevalence Index		
8.				Morphological Ad	aptations ¹ (Provide	
	96	=Total Cover		data in Remark	s or on a separate	sheet)
Woody Vine Stratum (Plot size:)			Problematic Hydr	ophytic Vegetation ¹	(Explain)
1. 2.				¹ Indicators of hydric s be present, unless dis	•	0,
		=Total Cover		Hydrophytic	zea e. problema	
				Vegetation		
% Bare Ground in Herb Stratum 5 % 0	Cover of Biot	ic Crust	<u></u>	Present? Yes	No	_
Remarks:						

SOIL Sampling Point: SP-18d

Depth	ription: (Describe Matrix	to the depi		x Featu		itor or t	commin the abser	nce of indicators	.)	
•		%		% realui		Loc ²	Texture		Remarks	
(inches)	Color (moist)		Color (moist)	70	Type ¹	LOC			Remarks	
0-15	10YR 4/2	100					silt loam			
	-									
¹ Type: C=C	oncentration, D=De	oletion, RM=	Reduced Matrix, 0	CS=Cove	ered or Co	oated S	and Grains.	Location: PL=Po	re Lining, M=N	latrix.
	Indicators: (Applic							cators for Proble		
Histosol			Sandy Re					1 cm Muck (A9) (L	-	
	oipedon (A2)		Stripped N					2 cm Muck (A10) (
Black Hi			Loamy Mu	•	•			ron-Manganese M		LRR D)
	n Sulfide (A4)		Loamy Gle	•	, ,			Reduced Vertic (F		,
	Layers (A5) (LRR	C)	Depleted I	•	` '			Red Parent Materi	•	
	ick (A9) (LRR D)	,	Redox Da		-			Very Shallow Dark	, ,)
	d Below Dark Surfac	ce (A11)	Depleted [. ,			Other (Explain in F		
	ark Surface (A12)	()	Redox De						,	
	lucky Mineral (S1)				()					
	Gleyed Matrix (S4)	³ Indicato	rs of hydrophytic y	egetatio	n and we	tland hy	/drology must be p	oresent, unless dis	sturbed or prob	lematic.
			, , ,			1	. 0, 1	<u> </u>	<u> </u>	
Type:	(If observed Rock									
Depth (ii		15					Hydric Soil Pre	sent?	Yes	No_X
		10					Tiyane don't le			<u> </u>
Remarks:										
HYDROLO	AGV									
_	drology Indicators									
	cators (minimum of	one is requir	•					ondary Indicators (o required)
	Water (A1)		Salt Crust	,				Water Marks (B1)		
	iter Table (A2)		Biotic Crus	, ,				Sediment Deposits		ie)
Saturation			Aquatic In					Drift Deposits (B3)		
	larks (B1) (Nonrive		Hydrogen					Drainage Patterns		
	nt Deposits (B2) (No	•	Oxidized F			_		Dry-Season Water		
	posits (B3) (Nonrive	erine)	Presence					Crayfish Burrows (' '	(00)
	Soil Cracks (B6)	. (5.7	Recent Iro			lled Soil		Saturation Visible		ery (C9)
	on Visible on Aerial	Imagery (B7						Shallow Aquitard (*	
Water-S	tained Leaves (B9)		Other (Exp	olain in F	Remarks)		<u> </u>	FAC-Neutral Test	(D5)	
Field Obser										
Surface Wat		es	No x		inches): _		1			
Water Table		es	No x		inches):		1	_		
Saturation P		es	No x	Depth (i	inches):		Wetland Hyd	rology Present?	Yes	No X
(includes ca	<u> </u>									
Describe Re	corded Data (strear	n gauge, mo	nitoring well, aeria	I photos	, previous	sinspec	tions), if available	:		
Remarks:										
rvemants.										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow County Sampling Date: 1				
Applicant/Owner: NextEra Energy		State: OR	Sampling Point:	SP-18e		
Investigator(s): EI, AF, LE		Section, 1	Township, Ra	ange: 1S 27E S7		
Landform (hillside, terrace, etc.): Valley Bottom	ا	Local relief (co	oncave, conv	rex, none): Concave	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	cation: Riverine	
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly of	listurbed? A	re "Normal (Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (I	If needed, ex	xplain any answers in Ren	narks.)	
SUMMARY OF FINDINGS - Attach site m	ap showin	g sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea		
	lo		n a Wetland		No	
Wetland Hydrology Present? Yes X	lo					
Remarks:						
Wetland has been heavily grazed by cattle						
 VEGETATION – Use scientific names of ∣	nlanta					
VEGETATION - Use scientific fiames of	Absolute	Dominant	Indicator	1		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant S		
2. 3.	·			Are OBL, FACW, or F		1 (A)
4.				Total Number of Domi Across All Strata:	nant Species	2 (B)
		Total Cover		Percent of Dominant S	Boecies That	(-)
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F	•	0.0% (A/B)
1						
2. 3.				Prevalence Index wo Total % Cover of		ply by:
4.				OBL species 1		10
5.				FACW species 2		40
	:	Total Cover		FAC species 0	x 3 =	0
Herb Stratum (Plot size: 5 feet)	•		ODI	FACU species 3		140
Water Polypogon monspeliensis	8 20	No Yes	OBL FACW	UPL species Column Totals: 6		0 190 (B)
Schedonorus arundinaceus	35	Yes	FACU	Prevalence Index	`	
4. Ranunculus sceleratus	1	No	OBL			
5. <u>Lemna minor</u>	1	No	OBL	Hydrophytic Vegetati		
6.				Dominance Test is		
7. 8.				X Prevalence Index	เร ≤3.0 aptations¹ (Provide :	supporting
o	65	Total Cover			s or on a separate	
Woody Vine Stratum (Plot size:)			Problematic Hydro	pphytic Vegetation ¹	(Explain)
1				¹ Indicators of hydric so		
2		Tatal Cause		be present, unless dis	turbed or problemat	ic.
		=Total Cover		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 35 %	Cover of Bioti	c Crust		Present? Yes	X No	
Remarks:						

SOIL Sampling Point: SP-18e

	•	to the depti				itor or o	confirm the absence	of indicators.)		
Depth	Matrix			x Featur		. 2	- .	5		
(inches)	Color (moist)	<u> </u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	R	emarks	
0-16	10YR 3/2	75	7.5YR 4/6	25	RM		very fine silty sand			
										_
			_							—
			_					-		—
¹ Type: C=Co	oncentration, D=Dep	etion. RM=F	Reduced Matrix. C	S=Cove	red or Co	oated S	and Grains. ² Loc	ation: PL=Pore Lir	ning, M=Matrix,	
	ndicators: (Applica							ors for Problematic		
Histosol	٠		Sandy Red		,			n Muck (A9) (LRR (-	
	ipedon (A2)		Stripped M		i)			n Muck (A10) (LRR		
Black His			Loamy Mu	•	•			-Manganese Masse		
	n Sulfide (A4)		Loamy Gle	-				uced Vertic (F18)	75 (1 12) (LIKIT D)	
	l Layers (A5) (LRR C	:)	Depleted N	-				Parent Material (F	21)	
	ck (A9) (LRR D)	')	x Redox Dar	-	-			/ Shallow Dark Surf	•	
	l Below Dark Surface	Δ (Δ11)	Depleted D					er (Explain in Rema		
	irk Surface (A12)	((())	Redox Dep					o. (Explain in Neilla		
	lucky Mineral (S1)		Nedox Dep	7162210113	5 (1-0)					
	leyed Matrix (S4)	3Indicator	s of hydrophytic y	ogotatio	and wo	tland by	drology must be pres	ont unloce disturb	nd or problematic	
		mulcator	s of flydropflytic v	egetatio	i aliu we	ilanu ny	raiology must be pres	erit, uriless disturbe	ed of problematic.	
	_ayer (if observed):									
Type:	Rock		_							
Depth (ir	nches):	16	_				Hydric Soil Preser	nt? Ye	s <u>x</u> No	
HYDROLO	GY									
Wetland Hyd	drology Indicators:									
Primary India	cators (minimum of o	ne is require	ed; check all that a	apply)			Seconda	ary Indicators (minir	num of two require	<u>ed)</u>
x Surface	Water (A1)		Salt Crust	(B11)			Wat	er Marks (B1) (Rive	erine)	
x High Wa	ter Table (A2)		Biotic Crus	t (B12)			Sed	iment Deposits (B2) (Riverine)	
x Saturation	on (A3)		Aquatic Inv	ertebrat/	es (B13)		Drift	Deposits (B3) (Riv	erine)	
Water M	arks (B1) (Nonriveri	ne)	Hydrogen	Sulfide C	Odor (C1))	Drai	nage Patterns (B10))	
Sedimer	t Deposits (B2) (Nor	rriverine)	Oxidized R	hizosph	eres on L	₋iving R	oots (C3) Dry-	Season Water Tab	le (C2)	
Drift Dep	osits (B3) (Nonriver	ine)	X Presence	of Reduc	ed Iron (C4)	Cray	yfish Burrows (C8)		
Surface	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soil	s (C6)Satu	uration Visible on A	erial Imagery (C9)	
x Inundation	on Visible on Aerial I	magery (B7)	Thin Muck	Surface	(C7)		Sha	llow Aquitard (D3)		
Water-S	tained Leaves (B9)		Other (Exp	lain in R	emarks)		X FAC	-Neutral Test (D5)		
Field Obser	vations:									
Surface Wat	er Present? Ye	s x	No	Depth (ii	nches):	1				
Water Table	Present? Ye	s x		Depth (ir	· -	0				
Saturation P		s x			nches):	0	Wetland Hydrolo	ogy Present? Ye	s X No	
(includes cap	oillary fringe)				_					_
_,	corded Data (stream	gauge, mor	nitoring well, aeria	photos,	previous	s inspec	tions), if available:			
Remarks: Suface water	r flow									
Salace Water										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Applicant/Owner: NextEra Energy State: OR Sampling Point: S						
Applicant/Owner: NextEra Energy State: OR Sampling Point:						
Investigator(s): EI, AF, EG, JT, LE, KP Section, Township, Range: 1S 27E S7						
Landform (hillside, terrace, etc.): Valley Bottom Local relief (concave, convex, none): none Slope (%): 2					
Subregion (LRR): LRR B Lat: 45.515199 Long: -119.309242 Datum: NA	D83					
Soil Map Unit Name: 35: Onyx Silt Loam NWI classification:						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrologynaturally 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						
Hydric Soil Present? Yes No X within a Wetland? Yes No X						
Wetland Hydrology Present? Yes No X						
Remarks:						
VEGETATION – Use scientific names of plants.						
Absolute Dominant Indicator						
Tree Stratum (Plot size:) % Cover Species? Status Dominance Test worksheet:						
1 Number of Dominant Species That						
2 Are OBL, FACW, or FAC: 1	(A)					
4. Total Number of Dominant Species Across All Strata: 2	(B)					
=Total Cover Percent of Dominant Species That	_` ′					
Sapling/Shrub Stratum (Plot size:) Are OBL, FACW, or FAC: 50.0%	(A/B)					
1						
2. Prevalence Index worksheet: 3. Total % Cover of: Multiply b	٧٠					
4. OBL species 0 x1 = 0	y.					
5. FACW species 0 x 2 = 0	_					
=Total Cover FAC species 35 x 3 = 105						
Herb Stratum (Plot size: 5 feet) FACU species 5 x 4 = 20	_					
1. Poa bulbosa 5 No FACU UPL species 60 x 5 = 300 2. Distichlis spicata 35 Yes FAC Column Totals: 100 (A) 425	— (B)					
3. Convolvulus arvensis 10 No UPL Prevalence Index = B/A = 4.25	_('')					
4. Bromus tectorum 35 Yes UPL						
5. Gutierrezia sarothrae 15 No UPL Hydrophytic Vegetation Indicators:						
6 Dominance Test is >50% 7. Prevalence Index is ≤3.0¹						
7 Prevalence Index is ≤3.0¹ 8 Morphological Adaptations¹ (Provide supp	ortina					
100 =Total Cover data in Remarks or on a separate shee						
Woody Vine Stratum (Plot size:) Problematic Hydrophytic Vegetation (Exp	lain)					
1 1Indicators of hydric soil and wetland hydrolog	/ must					
2						
=lotal Cover Hydrophytic Vegetation						
% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust Present? Yes No						
Remarks:						

SOIL Sampling Point: SP-18f

Depth	Matrix	to the deptr		ument τι x Featur		itor or (confirm the absence of	n mulcaturs.j
(inches)	Color (moist)	%	Color (moist)	% realui	Type ¹	Loc ²	Texture	Remarks
			Coloi (IIIOISI)	/0	Type	LUC		Ivemanya
0-10	10YR 4/2	100					very fine silty sand	
	oncentration, D=Dep					oated S		tion: PL=Pore Lining, M=Matrix.
_	ndicators: (Applica	ble to all LF						s for Problematic Hydric Soils ³ :
Histosol	• •		Sandy Re					Muck (A9) (LRR C)
	ipedon (A2)		Stripped N		-			Muck (A10) (LRR B)
Black His	` '		Loamy Mu	•	` '			Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gl	-	. ,			ced Vertic (F18)
	Layers (A5) (LRR C	;)	Depleted I	•	,			Parent Material (F21)
	ck (A9) (LRR D)		Redox Da		` '			Shallow Dark Surface (F22)
	Below Dark Surface	e (A11)	Depleted I		. ,		Other	(Explain in Remarks)
	rk Surface (A12)		Redox De	pression	s (F8)			
	ucky Mineral (S1)	2						
Sandy G	leyed Matrix (S4)	³Indicators	s of hydrophytic v	egetatio	n and we	tland hy	drology must be prese	nt, unless disturbed or problematic.
Restrictive I	ayer (if observed):							
Type:	Rock		_					
Depth (ir	nches):	10	_				Hydric Soil Present	? Yes <u>No X</u>
Remarks:								
HYDROLO	GY							
Wetland Hvo	drology Indicators:							
-	ators (minimum of c	ne is require	d: check all that	apply)			Secondar	y Indicators (minimum of two required)
-	Water (A1)		Salt Crust				Water	Marks (B1) (Riverine)
	ter Table (A2)		Biotic Cru	` '				nent Deposits (B2) (Riverine)
Saturation	` ,		Aquatic In	` ,	tes (B13)			Deposits (B3) (Riverine)
	arks (B1) (Nonriveri	ne)	Hydrogen					age Patterns (B10)
	t Deposits (B2) (Nor		Oxidized F					eason Water Table (C2)
	osits (B3) (Nonriver		Presence			-		sh Burrows (C8)
	Soil Cracks (B6)	•	Recent Iro					ation Visible on Aerial Imagery (C9)
Inundatio	on Visible on Aerial I	magery (B7)	Thin Muck					ow Aquitard (D3)
	ained Leaves (B9)		Other (Ex					Neutral Test (D5)
Field Observ	vations:							, ,
Surface Water		es	No x	Depth (i	nches):			
Water Table		es	No x		nches):			
Saturation Pr			No x		nches):		Wetland Hydrolog	y Present? Yes No _X_
(includes cap					′ –			
	corded Data (stream	gauge, mon	itoring well, aeria	l photos	, previous	sinspec	ctions), if available:	
	`		<i>5</i> ,	•		•	,-	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	inty: Morrow	County	Sampling Date:	10/19/2022
Applicant/Owner: NextEra Energy		-	State: OR	Sampling Point:	SP-18g	
Investigator(s): EI, AF, LE		Section, 7	Township, Ra	ange: 1S 27E S17		
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (co	oncave, conv	ex, none): Concave	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classifi	cation: Riverine	
Are climatic / hydrologic conditions on the site typical for	r this time o	f year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation X, Soil X, or Hydrology X,	ignificantly o	disturbed? A	Are "Normal (Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrologyr	naturally prol	olematic? (If needed, ex	plain any answers in Rem	narks.)	
SUMMARY OF FINDINGS – Attach site ma	p showin	ıg samplin	g point lo	cations, transects, i	important feat	ıres, etc.
Hydrophytic Vegetation Present? Yes X No)	Is the	e Sampled A	rea		
			n a Wetland		No	
Wetland Hydrology Present? Yes X No)				<u> </u>	
Remarks:						
Wetland has been heavily grazed by cattle						
VEGETATION – Use scientific names of p	lants.					
<u> </u>	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:) 1.	% Cover	Species?	Status	Dominance Test work		
				Number of Dominant S Are OBL, FACW, or FA	•	2 (A)
3.				Total Number of Domi	-	()
4.				Across All Strata:	·	2 (B)
		=Total Cover		Percent of Dominant S	•	
Sapling/Shrub Stratum (Plot size:) 1.				Are OBL, FACW, or FA	AC: 100	0.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of:		ply by:
4.				OBL species 60	x 1 =	60
5				FACW species 10		20
Herb Stratum (Plot size: 5 feet)		=Total Cover		FAC species 0 FACU species 15		<u>0</u> 30
Nasturtium officinale	30	Yes	OBL	UPL species 0		0
2. Lemna minor	10	No	OBL	Column Totals: 85		40 (B)
3. Schedonorus arundinaceus	15	No	FACU	Prevalence Index =	= B/A = 1.65	
4. Polypogon monspeliensis	10	No No	FACW			
5. <u>Veronica americana</u> 6.	20	Yes	OBL	Hydrophytic Vegetati X Dominance Test is		
7.				X Prevalence Index		
8.					aptations ¹ (Provide s	
	85	=Total Cover			s or on a separate s	•
Woody Vine Stratum (Plot size:)				l —	phytic Vegetation ¹	` ' /
1				¹ Indicators of hydric so be present, unless dist		
		=Total Cover		Hydrophytic	arbed of problemat	10.
				Vegetation		
% Bare Ground in Herb Stratum 15 % C	over of Biot	ic Crust		Present? Yes_	No	<u>- </u>
Remarks:						

SOIL Sampling Point: SP-18g

	ription: (Describe	to the depth				tor or c	onfirm the abse	ence of indicators.)	
Depth	Matrix			x Featur		. 2	_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0-16	10YR 2/1	100					Silty clay loan	n	
	-								
 							-		
	•	<u> </u>							_
							-		-
¹ Type: C=Co	oncentration, D=Dep	letion RM=R	educed Matrix (CS=Cove	ered or Co	nated Sa	and Grains	 ² Location: PL=Pore I	ining M=Matrix
	Indicators: (Applica							cators for Problema	
Histosol		iolo to all El	Sandy Re					1 cm Muck (A9) (LRF	-
	oipedon (A2)		Stripped N					2 cm Muck (A10) (LR	
Black Hi			X Loamy Mu		-			Iron-Manganese Mas	
	n Sulfide (A4)		Loamy Gle	•	, ,			Reduced Vertic (F18)	
	l Layers (A5) (LRR (•\		-				Red Parent Material	
	• , , ,	•)	Depleted I		-				
	ck (A9) (LRR D)	- (0.44)	x Redox Da		, ,			Very Shallow Dark St	
I — ·	Below Dark Surface	e (A11)	Depleted I					Other (Explain in Rer	narks)
	ark Surface (A12)		Redox De	pression	s (F8)				
	lucky Mineral (S1)	31	- f	4 - 4! -		41 1 1	du - l		d d
	leyed Matrix (S4)		s or nyaropnytic v	regetatio	n and we	tiand ny	arology must be	present, unless distu	bed or problematic.
	_ayer (if observed):								
Type:	Rock		_						
Depth (ir	nches):	16	_				Hydric Soil Pro	esent?	Yes <u>x</u> No
Remarks: MI									
HYDROLO	ogy								
_	drology Indicators:								
_	cators (minimum of c	ne is require	d: check all that	annly)			Sec	ondary Indicators (mi	nimum of two required)
x Surface		nio io rogano	Salt Crust					Water Marks (B1) (R	
l —	ter Table (A2)		Biotic Crus	` '				Sediment Deposits (E	•
x Saturation	` '		Aquatic In		tes (R13)			Drift Deposits (B3) (R	
	arks (B1) (Nonriver i	ne)	X Hydrogen		, ,			Drainage Patterns (B	•
	it Deposits (B2) (No	•	Oxidized F		, ,			Dry-Season Water Ta	•
	oosits (B3) (Nonrive		Presence			-		Crayfish Burrows (C8	
	Soil Cracks (B6)		Recent Iro		,	,		Saturation Visible on	
	on Visible on Aerial I	magery (B7)	Thin Muck			iou con		Shallow Aquitard (D3	
l ——	tained Leaves (B9)	magery (Br)	Other (Ex					FAC-Neutral Test (D	
				JIGHT III I	(ciriarito)			1710 1104141 1001 (D1	<i>5)</i>
Field Obsert Surface Wat		00 V	No	Donth (i	noboo):	4			
		s X	No	Depth (i	· -	1			
Water Table		es X	No	Depth (i	· -	0	Wetlend Hyd	lualamii Duaaanta V	Vaa V Na
Saturation P		es X	No	Depth (i	nches):	0	welland nyo	Irology Present?	Yes <u>X</u> No
(includes cap	onary minge) corded Data (stream	dalide mon	itoring well seris	l nhotos	nrevious	inenect	ions) if available	7 .	
Describe Net	co. aca Data (streatti	gaage, mon	won, acid	p.10103	, provious	, mapeot	, ii avallable		
Remarks:									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow County Sampling Date: 10				
Applicant/Owner: NextEra Energy	State: OR Sampling Point: SP-1					
Investigator(s): EI, AF, LE, KP		Section,	Township, Ra	ange: <u>1S 27E S17</u>		
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (c	oncave, conv	vex, none): none	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical to	for this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly of	disturbed?	Are "Normal (Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrology	naturally prob	olematic?	(If needed, ex	xplain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes N	lo X	Is th	e Sampled A	Area		
Hydric Soil Present? Yes N	lo X	with	in a Wetland	l? Yes	No X	
Wetland Hydrology Present? Yes N	lo <u>X</u>					
Remarks:						
VEGETATION – Use scientific names of	nlants					
VEGETATION - 03c 3cicitatic names of	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.				Number of Dominant		0 (4)
2. 3.				Are OBL, FACW, or F		<u>0</u> (A)
4.	· ——			Total Number of Dom Across All Strata:	linant Species	2 (B)
		=Total Cover		Percent of Dominant	Species That	`
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F	AC: 0	.0% (A/B)
1.						
2. 3.				Prevalence Index wo Total % Cover o		ply by:
4.				-	0 x 1 =	0
5.				FACW species	0 x 2 =	0
		=Total Cover				30
Herb Stratum (Plot size: 5 feet)	20	Voc	LIDI	· —		20
Gutierrezia sarothrae Ericameria nauseosa	30	Yes Yes	UPL UPL	· -		150 500 (B)
3. Convolvulus arvensis	15	No	UPL	Prevalence Index		
4. Bromus tectorum	15	No	UPL			
5. <u>Distichlis spicata</u>	10	No	FAC	Hydrophytic Vegetat		
6. Lepidium perfoliatum	5	<u>No</u>	FACU	Dominance Test		
7. 8.				Prevalence Index Morphological Ad	as ≤3.0 laptations¹ (Provide :	supporting
	105	=Total Cover			ks or on a separate	
Woody Vine Stratum (Plot size:				Problematic Hydr	ophytic Vegetation ¹	(Explain)
1. 2.				¹ Indicators of hydric s be present, unless dis		
		=Total Cover		Hydrophytic	sturbed or problema	.10.
				Vegetation		
% Bare Ground in Herb Stratum 5 %	Cover of Biot	ic Crust		Present? Yes	NoX	_
Remarks:						

SOIL Sampling Point: SP-18h

	ription: (Describe	to the dept				itor or c	confirm the absence	of indicators.)
Depth (inches)	Matrix	0/		x Featur		Loc ²	Toyders	Domestic
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	LOC	Texture	Remarks
0-15	10YR 4/3	100					silty clay loam	
			-					
¹ Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, C	S=Cove	red or Co	oated Sa	and Grains. ² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless othe	rwise n	oted.)		Indicato	rs for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Red	lox (S5)			1 cm	Muck (A9) (LRR C)
Histic Ep	ipedon (A2)		Stripped M	•	•		2 cm	Muck (A10) (LRR B)
Black His	stic (A3)		Loamy Mu	cky Mine	eral (F1)		Iron-	Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-				uced Vertic (F18)
	Layers (A5) (LRR C	;)	Depleted N	•	•			Parent Material (F21)
	ck (A9) (LRR D)		Redox Dar		. ,			Shallow Dark Surface (F22)
	Below Dark Surface	e (A11)	Depleted D				Othe	r (Explain in Remarks)
	rk Surface (A12)		Redox Dep	ressions	s (F8)			
	ucky Mineral (S1)	2						
Sandy G	leyed Matrix (S4)	Indicato	rs of hydrophytic v	egetatio	n and we	tland hy	drology must be prese	ent, unless disturbed or problematic.
Restrictive L	.ayer (if observed):							
Type:	Rock							
Depth (in	iches):	15					Hydric Soil Presen	t? Yes No_X_
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
Primary Indic	ators (minimum of o	ne is requir	ed; check all that a	apply)			<u>Seconda</u>	ry Indicators (minimum of two required)
Surface	Water (A1)		Salt Crust	` '			Wate	er Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crus	t (B12)			Sedi	ment Deposits (B2) (Riverine)
Saturation	n (A3)		Aquatic Inv					Deposits (B3) (Riverine)
	arks (B1) (Nonriveri		Hydrogen		٠,			nage Patterns (B10)
	t Deposits (B2) (Nor		Oxidized R			-	, ,	Season Water Table (C2)
	osits (B3) (Nonriver	ine)	Presence of					fish Burrows (C8)
	Soil Cracks (B6)		Recent Iro			lled Soil		ration Visible on Aerial Imagery (C9)
	on Visible on Aerial I	magery (B7						low Aquitard (D3)
	ained Leaves (B9)		Other (Exp	lain in R	emarks)		FAC-	-Neutral Test (D5)
Field Observ								
Surface Water					nches):			
Water Table					nches): _			
Saturation Pr		es	No <u>x</u>	Depth (ir	nches):		Wetland Hydrolo	gy Present? Yes No _X
(includes cap	<u> </u>						<u> </u>	
Describe Red	corded Data (stream	gauge, mo	nitoring well, aeria	photos,	previous	s inspec	tions), if available:	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Date:	10/19/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP18i
Investigator(s): EI, AF, LE		Section, 1	Township, Ra	ange: 1S 27E S17		
Landform (hillside, terrace, etc.): Valley Bottom	լ	ocal relief (co	oncave, conv	rex, none): Concave	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long:	119.309242	Datum:	NAD83
Soil Map Unit Name: 78: Xeric torriorthents, nearly lev	el			NWI classif	ication: Riverine	
Are climatic / hydrologic conditions on the site typical f	or this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly d	listurbed? A	re "Normal (Circumstances" present?	Yes X No	,
Are Vegetation, Soil, or Hydrology	naturally prob	lematic? (If needed, ex	xplain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea		
	lo		n a Wetland		No	
Wetland Hydrology Present? Yes X N	lo					
Remarks:						
Wetland has been heavily grazed by cattle						
l VEGETATION – Use scientific names of p	nlante					
VEGETATION - Ose scientific flames of p	Absolute	Dominant	Indicator	I		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant		• (•)
2. 3.				Are OBL, FACW, or F		2 (A)
4.				Total Number of Dom Across All Strata:	inant Species	2 (B)
		Total Cover		Percent of Dominant S	Species That	`
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F	•	0.0% (A/B)
1.						
2. 3.				Prevalence Index wo Total % Cover of		ply by:
4.				OBL species 5		50
5.				FACW species 1	0 x 2 =	20
	=	Total Cover		FAC species (x 3 =	0
Herb Stratum (Plot size: 5 feet)	00	V	ODI	FACU species 1		60
Nasturtium officinale Lemna minor	20	Yes Yes	OBL OBL	UPL species (Column Totals: 7		0 30 (B)
Schedonorus arundinaceus	15	No	FACU	Prevalence Index		
4. Polypogon monspeliensis	10	No	FACW			
5	5	No		Hydrophytic Vegetat		
6.	5	No		X Dominance Test i		
7. 8.				X Prevalence Index	าร ≤3.0 [·] aptations¹ (Provide :	supporting
o	85 =	Total Cover			s or on a separate	
Woody Vine Stratum (Plot size:)			Problematic Hydro	ophytic Vegetation ¹	(Explain)
1				¹ Indicators of hydric se		
2		T-4-1 0		be present, unless dis	turbed or problemat	ic.
		Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum 15 %	Cover of Bioti	c Crust		Vegetation Present? Yes	X No	
Remarks:			<u> </u>	<u> </u>		

SOIL Sampling Point: SP18i

	ription: (Describe	to the dept				ator or o	confirm the abser	ice of indicators	.)	
Depth (inches)	Matrix Color (moist)	0/		x Featur		Loc ²	Tardina		Domarka	
(inches)	Color (moist)	<u> </u>	Color (moist)	<u>%</u>	Type ¹		Texture		Remarks	—
0-12	10YR 3/1	70	10YR 4/6	30	<u> </u>	<u>M</u>	Silty sand			
										_
							•			_
							-			—
										—
1										—
	ncentration, D=Dep					oated S			re Lining, M=Matrix.	
-	ndicators: (Applica	ible to all L			oted.)				matic Hydric Soils ³ :	
Histosol	. ,		Sandy Red					cm Muck (A9) (L		
	ipedon (A2)		Stripped M	•	•			cm Muck (A10)		
Black His	,		Loamy Mu	-				•	Masses (F12) (LRR D)	
	n Sulfide (A4)	• • • • • • • • • • • • • • • • • • • •	Loamy Gle					Reduced Vertic (F	•	
	Layers (A5) (LRR C	•)	Depleted N		-			Red Parent Materi	, ,	
	ck (A9) (LRR D)	· (A11)	x Redox Dar Depleted D		, ,	\		/ery Shallow Dark Other (Explain in F		
	Below Dark Surface	e (A11)	Redox Dep		, ,)	—	otner (⊏xpiain in r	Remarks)	
	rk Surface (A12) ucky Mineral (S1)		Redox Dep	JI ESSIOI I	s (FO)					
	leyed Matrix (S4)	³ Indicator	s of hydronhytic y	enetatio	n and we	tland h	vdrology must be n	resent unless dis	sturbed or problematic.	
			o or riyaropriyaro v	ogotatio	Trana We	zuana n	yarology made bo p	- Coont, amood an	starbed of problematic.	
	.ayer (if observed):									
Type: _ Depth (in	Rock	12					Hydric Soil Pre	cont?	Yes x No	
• •		12					Tiyuric 30ii Fie	Sent:	163 <u>x</u> 110	_
Remarks:										
HYDROLO	GY									
	Irology Indicators:									
-	ators (minimum of c	ne is requir	ed: check all that :	annly)			Seco	ndary Indicators	minimum of two require	ed)
x Surface \	•	nic is require	Salt Crust					Vater Marks (B1)		<u>,u,</u>
	ter Table (A2)		Biotic Crus	` '					s (B2) (Riverine)	
x Saturatio			Aquatic Inv		es (B13))		Orift Deposits (B3)		
	arks (B1) (Nonriver i	ine)	X Hydrogen		, ,			Prainage Patterns		
	t Deposits (B2) (No		Oxidized F			-		Dry-Season Wate		
	osits (B3) (Nonrive		Presence			_	` '	Crayfish Burrows		
	Soil Cracks (B6)	,	Recent Iro					•	on Aerial Imagery (C9)	
x Inundation	n Visible on Aerial I	magery (B7)	Thin Muck	Surface	(C7)			Shallow Aquitard (
	ained Leaves (B9)		Other (Exp				XF	AC-Neutral Test	(D5)	
Field Observ	vations:								<u> </u>	
Surface Water	er Present? Ye	es x	No	Depth (ii	nches):	1				
Water Table	Present? Ye	es x			nches):	0				
Saturation Pr		es x			nches):	0	Wetland Hydr	ology Present?	Yes X No	
(includes cap	illary fringe)				_					_
Describe Rec	corded Data (stream	gauge, mor	nitoring well, aeria	l photos,	previous	s inspec	ctions), if available:			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Date:	10/19/2022
Applicant/Owner: NextEra				State: OR	Sampling Point:	SP-18j
Investigator(s): EI, AF, LE, KP		Section,	Township, Ra	ange: 1S 27E S17		
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (co	oncave, conv	rex, none): none	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long:	119.309242	Datum:	NAD83
Soil Map Unit Name: 78: Xeric torriorthents, nearly le	vel			NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical	for this time of			No (If no, ex		
Are Vegetation X , Soil X , or Hydrology X				Circumstances" present?		·
Are Vegetation, Soil, or Hydrology	_			plain any answers in Re	,	
SUMMARY OF FINDINGS – Attach site m	nap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X	withi	n a Wetland	? Yes	No X	
	No <u>X</u>					
Remarks:						
VEGETATION – Use scientific names of	plants.					
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rkshoot:	
1.	70 OOVEI	Орсскоз:	Otatus	Number of Dominant		
2.				Are OBL, FACW, or F		0 (A)
3.				Total Number of Dom	inant Species	0 (D)
4.		=Total Cover		Across All Strata: Percent of Dominant	Species That	2 (B)
Sapling/Shrub Stratum (Plot size:		10101 00101		Are OBL, FACW, or F	•	.0% (A/B)
1.	<u> </u>					
2.				Prevalence Index we		
3				Total % Cover o OBL species	0 x 1 =	ply by: 0
5.				· -	0 x 2 =	0
		=Total Cover		FAC species	0 x 3 =	0
Herb Stratum (Plot size: 5 feet)	22	V	E4.011	· -		20
Poa bulbosa Taeniatherum caput-medusae	30 30	Yes Yes	FACU			270 (B)
Convolvulus arvensis	15	No	UPL	Prevalence Index		
4. Bromus tectorum	15	No	UPL			
5				Hydrophytic Vegeta		
6				Dominance Test Prevalence Index		
8.					laptations ¹ (Provide :	supporting
	90	=Total Cover			ks or on a separate s	•
Woody Vine Stratum (Plot size:	_)				ophytic Vegetation ¹	
1. 2.				¹ Indicators of hydric s be present, unless dis	•	0,
		Total Cover		Hydrophytic	starbed or problema	
				Vegetation		
	Cover of Bioti	c Crust	_	Present? Yes	No	_
Remarks:						

SOIL Sampling Point: SP-18j

Depth	Matrix							
(inches)	-	0/:		x Feature		Loc ²	Toytura	Domarka
(inches)	Color (moist)	<u>%</u> _	Color (moist)	<u>%</u>	Type ¹	LOC	Texture	Remarks
0-20	10YR 3/2	100					Fine Sandy Loam	
¹ Type: C=Co	ncentration, D=Deple	etion, RM=F	Reduced Matrix, C	S=Cove	red or Co	oated S	and Grains. ² Loo	cation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applicat	ole to all L	RRs, unless othe	rwise n	oted.)		Indicate	ors for Problematic Hydric Soils ³ :
Histosol (A1)		Sandy Red	dox (S5)			1 cr	n Muck (A9) (LRR C)
Histic Epi	pedon (A2)		Stripped M	latrix (S6	5)		2 cr	n Muck (A10) (LRR B)
Black His	tic (A3)		Loamy Mu	cky Mine	eral (F1)		Iron	-Manganese Masses (F12) (LRR D)
Hydroger	Sulfide (A4)		Loamy Gle	-				uced Vertic (F18)
	Layers (A5) (LRR C))	Depleted N	-	-			Parent Material (F21)
	ck (A9) (LRR D)		Redox Dar					/ Shallow Dark Surface (F22)
Depleted	Below Dark Surface	(A11)	Depleted D	ark Surf	ace (F7))	Oth	er (Explain in Remarks)
Thick Dai	rk Surface (A12)		Redox Dep	ressions	s (F8)			
Sandy Mi	ucky Mineral (S1)							
Sandy GI	eyed Matrix (S4)	³ Indicator	s of hydrophytic v	egetatio	n and we	tland hy	drology must be pres	ent, unless disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:	Rock							
Depth (in	ches):	12	_				Hydric Soil Presei	nt? Yes No X
Remarks:								
HYDROLO	GY							
HYDROLO Wetland Hyd								
Wetland Hyd	rology Indicators:	ne is require	ed: check all that a	apply)			Second	ary Indicators (minimum of two required)
Wetland Hyd	rology Indicators: ators (minimum of or	ne is require					<u> </u>	ary Indicators (minimum of two required) er Marks (B1) (Riverine)
Wetland Hyd Primary Indica Surface V	rology Indicators: ators (minimum of or Vater (A1)	ne is require	Salt Crust	(B11)			Wat	er Marks (B1) (Riverine)
Wetland Hyd Primary Indica Surface V High Wat	rology Indicators: ators (minimum of or Vater (A1) er Table (A2)	ne is require	Salt Crust Biotic Crus	(B11) st (B12)	es (B13)		Wat	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine)
Wetland Hyd Primary Indica Surface V High Wat Saturation	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3)		Salt Crust Biotic Crus Aquatic Inv	(B11) st (B12) vertebrat			War Sed Driff	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverin	ne)	Salt Crust Biotic Crust Aquatic Inv	(B11) st (B12) vertebrat Sulfide C	odor (C1))	Wat Sed Driff Dra	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10)
Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverin E Deposits (B2) (Non	ne) riverine)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R	(B11) et (B12) vertebrat Sulfide C	odor (C1) eres on l) ₋iving R	Wat Sed Drift Dra oots (C3)Dry.	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2)
Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non osits (B3) (Nonriveri	ne) riverine)	Salt Crust Biotic Crust Aquatic Inv	(B11) st (B12) vertebrat Sulfide C thizosphot Reduc	Odor (C1) eres on Led Iron () ₋iving R [C4)	Wat Sed Drift Dra Cra	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8)
Wetland Hyden Primary Indicate Variate Vater Market	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non cosits (B3) (Nonriveri Goil Cracks (B6)	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of	(B11) st (B12) vertebrat Sulfide C thizosphorf Reduce n Reduce	Odor (C1) eres on leed Iron (tion in Ti) ₋iving R [C4)	Wat Sed Drift Dra Oots (C3)	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Wetland Hyden Primary Indicators Surface Value High Water Masses Sediment Drift Deposition Surface Sur	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non osits (B3) (Nonriveri	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence of Recent Iro	(B11) st (B12) vertebrat Sulfide C thizosphorf Reduce n Reduce Surface	Odor (C1) eres on Leed Iron (tion in Ti (C7)) ₋iving R [C4)	WatSedDriffDraCra s (C6)SateShate	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8)
Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non posits (B3) (Nonriveri Soil Cracks (B6) n Visible on Aerial In ained Leaves (B9)	ne) riverine) ne)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of	(B11) st (B12) vertebrat Sulfide C thizosphorf Reduce n Reduce Surface	Odor (C1) eres on Leed Iron (tion in Ti (C7)) ₋iving R [C4)	WatSedDriffDraCra s (C6)SateShate	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) offish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundatio Water-Sta	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non posits (B3) (Nonriveri Soil Cracks (B6) n Visible on Aerial In pained Leaves (B9) rations:	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) It (B12) Vertebrat Sulfide C Ithizosph of Reduc n Reduc Surface Idain in R	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks)) _iving R [C4) Iled Soil	WatSedDriffDraCra s (C6)SateShate	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) offish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Wetland Hyden Primary Indicate Variance Value Saturation Water Market Sediment Drift Deposition Surface Sediment Water-State State Observe Surface Water Water Water State Surface Water Sur	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) n Visible on Aerial In ained Leaves (B9) rations: er Present? Yes	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizosphof Reduc n Reduc Surface clain in R	odor (C1) eres on Led Iron (tion in Ti (C7) emarks)) _iving R (C4) Iled Soil	WatSedDriffDraCra s (C6)SateShate	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) offish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Wetland Hyd Primary Indice Surface V High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non cosits (B3) (Nonriveri Goil Cracks (B6) n Visible on Aerial In ained Leaves (B9) rations: er Present? Yes Present? Yes	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) It (B12) Vertebrat Sulfide C Chizosph of Reduc n Reduc Surface clain in R Depth (in	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches):) _iving R (C4) Iled Soil	Wat Sed Sed Oriff Dra Oots (C3)	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) C-Neutral Test (D5)
Wetland Hyde Primary Indice Surface V High Wate Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water Saturation Primary Indice Primary Indice Surface S Saturation Primary Indice Primary Indice Surface Vater Saturation Primary Indice Primary Indice Saturation Primary Indice Surface Vater Saturation Primary Indice Surface Vater Saturation Primary Indice Surface Vater Surface Vater Saturation Primary Indice Surface Vater Surface Vater Saturation Primary Indice Surface Vater	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non cosits (B3) (Nonriveri coil Cracks (B6) n Visible on Aerial In ained Leaves (B9) rations: er Present? Yes esent? Yes esent?	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizosphof Reduc n Reduc Surface clain in R	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches):) _iving R (C4) Iled Soil	Wat Sed Sed Oriff Dra Oots (C3)	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) offish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3)
Wetland Hyden Primary Indicate Variance Value Mater Ma	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) n Visible on Aerial In ained Leaves (B9) rations: er Present? Yes esent? Yes elsent? Yes elsent? Yes elsent?	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Thin Muck Other (Exp	(B11) It (B12) Vertebrat Sulfide C Chizospho Of Reduc Reduc Surface Idain in R Depth (ii Depth (iii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	Wat Sed Sed Sed Driff Dra Oots (C3)	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) C-Neutral Test (D5)
Wetland Hyden Primary Indicate Variance Value Mater Ma	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non cosits (B3) (Nonriveri coil Cracks (B6) n Visible on Aerial In ained Leaves (B9) rations: er Present? Yes esent? Yes esent?	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Thin Muck Other (Exp	(B11) It (B12) Vertebrat Sulfide C Chizospho Of Reduc Reduc Surface Idain in R Depth (ii Depth (iii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	Wat Sed Sed Sed Driff Dra Oots (C3)	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) C-Neutral Test (D5)
Wetland Hyden Primary Indicate Variance Value Mater Ma	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) n Visible on Aerial In ained Leaves (B9) rations: er Present? Yes esent? Yes elsent? Yes elsent? Yes elsent?	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Thin Muck Other (Exp	(B11) It (B12) Vertebrat Sulfide C Chizospho Of Reduc Reduc Surface Idain in R Depth (ii Depth (iii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	Wat Sed Sed Sed Driff Dra Oots (C3)	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) C-Neutral Test (D5)
Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water Table I Saturation Pro (includes cap	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) n Visible on Aerial In ained Leaves (B9) rations: er Present? Yes esent? Yes elsent? Yes elsent? Yes elsent?	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Thin Muck Other (Exp	(B11) It (B12) Vertebrat Sulfide C Chizospho Of Reduc Reduc Surface Idain in R Depth (ii Depth (iii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	Wat Sed Sed Sed Driff Dra Oots (C3)	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) C-Neutral Test (D5)
Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observ Surface Water Table I Saturation Pro (includes cap	rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) arks (B1) (Nonriverir t Deposits (B2) (Non osits (B3) (Nonriveri Soil Cracks (B6) n Visible on Aerial In ained Leaves (B9) rations: er Present? Yes esent? Yes elsent? Yes elsent? Yes elsent?	ne) riverine) ne) nagery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Thin Muck Other (Exp	(B11) It (B12) Vertebrat Sulfide C Chizospho Of Reduc Reduc Surface Idain in R Depth (ii Depth (iii	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) enches): enches): enches):) Living R (C4) Iled Soil	Wat Sed Sed Sed Driff Dra Oots (C3)	rer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) Illow Aquitard (D3) C-Neutral Test (D5)

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	inty: Morrow	County	Sampling Date:	10/18/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18k
Investigator(s): EI, AF, EG, JT, LE, KP		Section, ⁻	Township, Ra	ange: 1S 27E S17		
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (co	oncave, conv	rex, none): none	Slop	oe (%):2
Subregion (LRR): LRR B Lat: 45.515199)		Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 78: Xeric torriorthents, nearly le	evel			NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical	I for this time of	f year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly o	disturbed? A	Are "Normal (Circumstances" present?	Yes X No	<u> </u>
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (If needed, ex	xplain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site	map showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	ırea		
	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names of	- nlante					
VEGETATION - Use scientific flames of	Absolute	Dominant	Indicator	1		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.				Number of Dominant	•	
2. 3.				Are OBL, FACW, or I		0 (A)
4.				Total Number of Dom Across All Strata:	ninant Species	2 (B)
		Total Cover		Percent of Dominant	Species That	(-)
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or I	•	.0% (A/B)
1.	_					
2. 3.				Prevalence Index we Total % Cover of		inly by:
1		-			0 x 1 =	ply by: 0
5.					0 x 2 =	0
		=Total Cover		FAC species	15 x 3 =	45
Herb Stratum (Plot size: 5 feet)						160
1. Poa bulbosa	30	Yes	FACU	· -		200 105 (B)
Ericameria nauseosa Lepidium latifolium	<u>20</u> 15	Yes No	UPL FAC	Column Totals: Service Prevalence Index		
4. Bromus tectorum	10	No	UPL	1 Tevalence much	- B/A - 4.20	<u>′</u>
5. Onopordum acanthium	10	No	UPL	Hydrophytic Vegeta	tion Indicators:	
6. Xanthium spinosum	10	No	FACU	Dominance Test	is >50%	
7	_			Prevalence Index		
8		=Total Cover			laptations ¹ (Provide : ks or on a separate :	
Woody Vine Stratum (Plot size:		= rotal Cover			rophytic Vegetation ¹	•
1	_′			¹ Indicators of hydric s		
2.				be present, unless di		
		Total Cover		Hydrophytic		
W Bons Organish II Ot	V 0 551 ::	0		Vegetation	••	
	% Cover of Bioti	c Crust	_	Present? Yes	No	_
Remarks:						

SOIL Sampling Point: SP-18k

	•	to the dept				ator or o	confirm the absence	of indicators.)		
Depth (inches)	Matrix			x Featur		Loc ²	To: 4		Domartic	
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	LOC	Texture		Remarks	
0-12	10YR 4/2	100					Sandy Silt Loam			
										·
										-
								-		
								-		
¹ Type: C=Co	oncentration, D=De	pletion, RM=l	Reduced Matrix, C	S=Cove	red or Co	oated S	and Grains. ² Loc	ation: PL=Pore	Lining, M=Ma	trix.
Hydric Soil I	ndicators: (Applic	able to all L	RRs, unless othe	rwise n	oted.)		Indicato	rs for Problema	atic Hydric So	oils³:
Histosol	(A1)		Sandy Red					n Muck (A9) (LR		
Histic Ep	ipedon (A2)		Stripped M	•	•		2 cn	n Muck (A10) (LI	RR B)	
Black His	stic (A3)		Loamy Mu	-			Iron	Manganese Ma	sses (F12) (Li	RR D)
	n Sulfide (A4)		Loamy Gle	-				uced Vertic (F18	•	
	Layers (A5) (LRR	C)	Depleted N	-	-			Parent Material		
	ck (A9) (LRR D)		Redox Dar					Shallow Dark S		
	Below Dark Surfac	ce (A11)	Depleted D)	Othe	er (Explain in Re	marks)	
	rk Surface (A12)		Redox Dep	ressions	s (F8)					
	lucky Mineral (S1)	2								
Sandy G	leyed Matrix (S4)	Indicator	s of hydrophytic v	egetatio	n and we	etland hy	drology must be pres	ent, unless distu	irbed or proble	ematic.
Restrictive I	_ayer (if observed)	:								
Type:	Rock	(
Depth (ir	nches):	12					Hydric Soil Preser	it?	Yes	No X
HYDROLO	GY									
Wetland Hyd	drology Indicators	:								
Primary Indic	cators (minimum of	one is require	ed; check all that a	apply)			Seconda	ary Indicators (m	inimum of two	required)
Surface	Water (A1)		Salt Crust	(B11)			Wat	er Marks (B1) (R	Riverine)	
High Wa	ter Table (A2)		Biotic Crus	t (B12)			Sed	ment Deposits (B2) (Riverine	e)
Saturation	on (A3)		Aquatic Inv				Drift	Deposits (B3) (I	Riverine)	
	arks (B1) (Nonrive		Hydrogen		٠,	•		nage Patterns (E	•	
	t Deposits (B2) (No		Oxidized R			-	· · · — ·	Season Water T		
	osits (B3) (Nonrive	erine)	Presence of					rfish Burrows (C	,	
	Soil Cracks (B6)		Recent Iro			lled Soil		ration Visible on	_	ry (C9)
	on Visible on Aerial	Imagery (B7)						llow Aquitard (D3	•	
Water-St	tained Leaves (B9)		Other (Exp	lain in R	emarks)	1	FAC	-Neutral Test (D	05)	
Field Observ										
Surface Water		es			nches):					
Water Table		es			nches):			_		
Saturation Pr		es	No <u>x</u>	Depth (ii	nches):		Wetland Hydrolo	gy Present?	Yes	No X
(includes cap	<u> </u>						1			
Describe Red	corded Data (strean	n gauge, moi	nitoring well, aeria	photos,	previous	s inspec	tions), if available:			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Date:	10/18/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18I
Investigator(s): EI, EG, AF, LE		Section, 1	Township, Ra	ange: 1S 27E S17		
Landform (hillside, terrace, etc.): Valley Bottom	լ	_ocal relief (co	oncave, conv	ex, none): Concave	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long:	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	ication: Riverine	
Are climatic / hydrologic conditions on the site typical f	for this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly d	listurbed? A	re "Normal (Circumstances" present?	Yes X No	,
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (If needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea		
	lo		n a Wetland		No	
Wetland Hydrology Present? Yes X N	lo					
Remarks:						
Wetland has been heavily grazed by cattle						
 VEGETATION – Use scientific names of p	alanta					
VEGETATION - Ose scientific flames of p	Absolute	Dominant	Indicator	<u> </u>		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant		
2. 3.				Are OBL, FACW, or F		2 (A)
4.				Total Number of Domi Across All Strata:	inant Species	2 (B)
		Total Cover		Percent of Dominant S	Species That	(-)
Sapling/Shrub Stratum (Plot size:				Are OBL, FACW, or F	•	0.0% (A/B)
1						
2. 3.				Prevalence Index wo Total % Cover of		ply by:
4.				OBL species 5		55
5.				FACW species 2		50
	=	Total Cover		FAC species 0) x 3 =	0
Herb Stratum (Plot size: 5 feet)	00	V	ODI	FACU species 0		0
Veronica americana Nasturtium officinale	20	Yes Yes	OBL OBL	UPL species Column Totals: 8		0 05 (B)
Echinochloa crus-galli	15	No	FACW	Prevalence Index	`	
4. Polypogon monspeliensis	10	No	FACW			
5. Lemna minor	5	No	OBL	Hydrophytic Vegetat	ion Indicators:	
6. Carex sp.	5	No		X Dominance Test i		
7. 8.				X Prevalence Index	is ≤3.0⁺ aptations¹ (Provide s	supporting
o	85 =	Total Cover			s or on a separate s	
Woody Vine Stratum (Plot size:		. 514. 5515.		Problematic Hydro	ophytic Vegetation ¹	(Explain)
1.	· 			¹ Indicators of hydric so	oil and wetland hydr	ology must
2				be present, unless dis	turbed or problemat	ic.
		=Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum 15 %	Cover of Bioti	c Crust		Vegetation Present? Yes	X No	
Remarks:	2.30		_	1		
						

SOIL Sampling Point: SP-18I

Profile Desc Depth	cription: (Describe to Matrix	to the depti		u ment th x Featur		itor or c	confirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 3/2	60	10YR 5/6	40	C	M	Sandy Silt Loam	remano
0-12	10110 3/2		1011370	40		IVI	Canay One Loans	
		·	_					
			_					
			_					-
1 _{Type:} C=C	oncentration, D=Depl	otion DM-	Poducod Matrix (rod or C	ootod S	and Crains 21 aget	ion: PL=Pore Lining, M=Matrix.
	Indicators: (Applica					Jaleu S		s for Problematic Hydric Soils ³ :
Histosol		DIE IO AII LI	Sandy Re		oteu.)			Muck (A9) (LRR C)
	pipedon (A2)		Stripped N		3)			Muck (A9) (LRR B)
Black Hi			Loamy Mu	-	-			langanese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-				ced Vertic (F18)
	d Layers (A5) (LRR C	1	Depleted I	-				earent Material (F21)
	ick (A9) (LRR D)	7	x Redox Da		•			Shallow Dark Surface (F22)
	d Below Dark Surface	(Δ11)	Depleted [(Explain in Remarks)
	ark Surface (A12)	(A11)	Redox De				Otilei	(Explain in Nemarks)
	lucky Mineral (S1)		Redux De	016221011	5 (1 0)			
	Gleyed Matrix (S4)	3Indicator	e of hydrophytic y	enetatio	n and we	tland hy	udrology must be preser	nt, unless disturbed or problematic.
	Layer (if observed):	maioatoi	3 of flydropflytic v	cgctatio	ii and we	tiana ny	ratology mast be preser	it, unless disturbed of problematic.
Type:	Rock							
Depth (ir		12					Hydric Soil Present?	? Yes x No
Remarks:		12				J	Tryunc Con i resent	163 <u>/</u> 160
HYDROLO)GY							
Wetland Hy	drology Indicators:							
_	cators (minimum of o	ne is require	ed; check all that	apply)			Secondary	/ Indicators (minimum of two required)
x Surface	Water (A1)		Salt Crust	(B11)			Water	Marks (B1) (Riverine)
x High Wa	iter Table (A2)		Biotic Crus	st (B12)			Sedim	ent Deposits (B2) (Riverine)
x Saturation	on (A3)		Aquatic In	vertebrat	es (B13)		Drift D	eposits (B3) (Riverine)
Water M	larks (B1) (Nonriveri	ne)	x Hydrogen	Sulfide C	Odor (C1))	Draina	age Patterns (B10)
Sedimer	nt Deposits (B2) (Nor	riverine)	Oxidized F	Rhizosph	eres on l	iving R	oots (C3) Dry-Se	eason Water Table (C2)
Drift Dep	oosits (B3) (Nonriver	ine)	Presence	of Reduc	ed Iron (C4)	Crayfis	sh Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soil	s (C6)Satura	ation Visible on Aerial Imagery (C9)
x Inundation	on Visible on Aerial Ir	magery (B7)	Thin Muck	Surface	(C7)		Shallo	w Aquitard (D3)
Water-S	tained Leaves (B9)		Other (Exp	olain in R	temarks)		X FAC-N	Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present? Ye	s x	No	Depth (ii	nches):	1		
Water Table	Present? Ye	s x	No	Depth (ii	nches):	0		
	i leseilt: Te		NI -	Depth (ii	nches):	0	Wetland Hydrolog	y Present? Yes X No
Saturation P		s <u>x</u>	No	Dopan (ii	, _		, ,	
Saturation P (includes cap	resent? Ye	s <u>x</u>	NO	Bopui (ii				
(includes cap	resent? Ye					s inspec		
(includes cap	resent? Ye pillary fringe)					s inspec		
(includes cap Describe Re	resent? Ye pillary fringe)					s inspec		
(includes cap Describe Re	resent? Ye pillary fringe)					s inspec		

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	inty: Morrow	County	Sampling Date:	10/18/2022
Applicant/Owner: NextEra Energy			-	State: OR	Sampling Point:	SP-18m
Investigator(s): EI, EG, AF, LE		Section, 7	Township, Ra	ange: 1S 27E S17		
Landform (hillside, terrace, etc.): Valley Bottom	l	ocal relief (co	oncave, conv	ex, none): Concave	Slop	e (%):2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	ication: Riverine	
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly d	isturbed? A	Are "Normal (Circumstances" present?	Yes X No) <u></u>
Are Vegetation, Soil, or Hydrology	naturally prob	lematic? (If needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects,	important feat	ıres, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea		
	lo		n a Wetland		No	
Wetland Hydrology Present? Yes X	lo				·	
Remarks:						
Wetland has been heavily grazed by cattle						
<u> </u>						
VEGETATION – Use scientific names of p	Absolute	Dominant	Indicator	1		
Tree Stratum (Plot size:)	% Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.				Number of Dominant	Species That	
2				Are OBL, FACW, or F	AC:	3 (A)
3.				Total Number of Domi	nant Species	o (D)
4	· ——	Total Cover		Across All Strata:		3 (B)
Sapling/Shrub Stratum (Plot size:		- Total Covel		Percent of Dominant S Are OBL, FACW, or F	•	0.0% (A/B)
1.	. ′					(-1-)
2.				Prevalence Index wo	rksheet:	
3				Total % Cover of	: Multi	ply by:
4				OBL species 6		60
5	· ——_	Total Cover		FACW species 3 FAC species 1		70 3
Herb Stratum (Plot size: 5 feet)		- Total Covel		FAC species 1 FACU species 1		4
1. Veronica americana	20	Yes	OBL	UPL species (0
2. Nasturtium officinale	35	Yes	OBL	Column Totals: 9	7 (A) 1	37 (B)
3. Echinochloa crus-galli	25	Yes	FACW	Prevalence Index	= B/A = <u>1.41</u>	
4. Polypogon monspeliensis	10	No No	FACW			
Lemna minor Trifolium repens	5	No No	OBL FACU	Hydrophytic Vegetat X Dominance Test i		
7. Rumex crispus		No	FAC	X Prevalence Index		
8.	<u> </u>	110	1710		aptations ¹ (Provide s	supporting
	97	Total Cover		data in Remark	s or on a separate s	sheet)
Woody Vine Stratum (Plot size:	_)			Problematic Hydro	ophytic Vegetation ¹	(Explain)
1.				¹ Indicators of hydric so		
2	· ——	Total Cover		be present, unless dis	turbed or problemat	ic.
		- i otai Guvel		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 3 %	Cover of Bioti	c Crust		Present? Yes	X No	
Remarks:						

SOIL Sampling Point: SP-18m

	ription: (Describe	to the depti				itor or o	confirm the absen	ice of indicators	5.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur		Loc ²	Texture		Remarks	
(inches) 0-2	Color (moist) 10YR 3/6	100	Color (IIIOISI)	<u>%</u>	Type ¹	LUC	Sandy Clay		IZIIIIIIKS	
							Sandy Clay			
2-16	10YR 2/2	100					- Canay Clay			
	(<u> </u>									
	-									
							<u> </u>	<u> </u>		
	•	· <u></u>	_							
		· —— —								
1Type: C=C	noontration D-Don	lotion DM-	Poduced Matrix C	-Covo	rod or C	ootod S	and Crains 2	Location: DI =Do	vro Lining M-Motriy	
	oncentration, D=Dep Indicators: (Application					oateu 3			ore Lining, M=Matrix ematic Hydric Soils	•
Histosol		ibic to all L	Sandy Red		otcu.,			cm Muck (A9) (•	
	oipedon (A2)		Stripped M		3)			cm Muck (A10)		
Black His			Loamy Mu	,	,				Masses (F12) (LRR	D)
	n Sulfide (A4)		Loamy Gle	-				Reduced Vertic (F	` , ,	_,
	l Layers (A5) (LRR (C)	Depleted N	•	` '			Red Parent Mater	•	
	ck (A9) (LRR D)	,	Redox Dar		-			ery Shallow Dar		
	Below Dark Surface	e (A11)	Depleted D		, ,	,		Other (Explain in		
	ark Surface (A12)	,	Redox Dep				<u> </u>	, 1	,	
	lucky Mineral (S1)				()					
Sandy G	leyed Matrix (S4)	³ Indicator	s of hydrophytic v	egetatio	n and we	tland hy	drology must be p	resent, unless di	sturbed or problema	atic.
Restrictive I	_ayer (if observed):									
Type:	Rock									
Depth (ir		16	_				Hydric Soil Pres	sent?	Yes X No	o
Remarks:			_							
rtomanto.										
HYDROLO	GY									
Wetland Hyd	drology Indicators:									
_	cators (minimum of c	ne is require	ed; check all that a	apply)			Seco	ndary Indicators	(minimum of two re	quired)
x Surface	Water (A1)		Salt Crust	(B11)			V	Vater Marks (B1)	(Riverine)	
x High Wa	ter Table (A2)		Biotic Crus	t (B12)			<u> </u>	Sediment Deposit	s (B2) (Riverine)	
x Saturation	on (A3)		Aquatic Inv	/ertebrat	es (B13)		<u> </u>	Fift Deposits (B3) (Riverine)	
Water M	arks (B1) (Nonriver	ine)	x Hydrogen	Sulfide C	Odor (C1))		rainage Patterns	s (B10)	
Sedimen	nt Deposits (B2) (No	nriverine)	Oxidized R	hizosph	eres on L	₋iving R	oots (C3)	ry-Season Wate	r Table (C2)	
Drift Dep	osits (B3) (Nonrive	rine)	Presence	of Reduc	ed Iron ((C4)	C	Crayfish Burrows	(C8)	
Surface	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soil	ls (C6)S	Saturation Visible	on Aerial Imagery ((C9)
x Inundation	on Visible on Aerial I	magery (B7)	Thin Muck	Surface	(C7)		S	Shallow Aquitard	(D3)	
Water-St	tained Leaves (B9)		Other (Exp	lain in R	emarks)		<u>X</u> F	AC-Neutral Test	(D5)	
Field Observ	vations:									
Surface Water	er Present? Ye	es x	No	Depth (ii	nches): _	1				
Water Table	Present? Ye	es x			nches): _	0				
Saturation P	resent? Ye	es <u>x</u>	No	Depth (ii	nches): _	0	Wetland Hydr	ology Present?	Yes X No	·
(includes cap	<u> </u>									
Describe Red	corded Data (stream	gauge, mor	nitoring well, aeria	l photos,	previous	s inspec	ctions), if available:			
Remarks:										
. tomanto.										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	unty: Morrow	County	Sampling Date:	10/18/2022
Applicant/Owner: NextEra Energy			,	State: OR	Sampling Point:	SP-18n
Investigator(s): EI, AF, EG, JT, LE, KP		Section,	Township, Ra	ange: 1S 27E S17		
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (c	concave, conv	ex, none): none	Slop	oe (%):2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.478334</u>			Long: -	119.479996	Datum:	NAD83
Soil Map Unit Name: 78: Xeric torriorthents, nearly leve	el			NWI classi	fication: Riverine	
Are climatic / hydrologic conditions on the site typical for	or this time of	f year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly o	disturbed?	Are "Normal (Circumstances" present?	Yes X No	· <u> </u>
Are Vegetation, Soil, or Hydrology	naturally prob	olematic?	(If needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS - Attach site ma	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes No	ο Х	ls th	e Sampled A	rea		
Hydric Soil Present? Yes No	o X	with	in a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes No	o_X_					
Remarks:						
VEGETATION – Use scientific names of p	lante					
VEGETATION - 030 30101111110 11111103 01 p	Absolute	Dominant	Indicator	ı		
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.				Number of Dominant		0 (4)
2. 3.				Are OBL, FACW, or I		0 (A)
4.		-		Total Number of Dom Across All Strata:	ilnant Species	3 (B)
	:	Total Cover		Percent of Dominant	Species That	``
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or I	AC: 0	.0% (A/B)
1						
2. 3.				Prevalence Index was Total % Cover of		iply by:
4.					0 x 1 =	0
5.				FACW species	0 x 2 =	0
		=Total Cover				30
Herb Stratum (Plot size: 5 feet)	20	Voo	FACIL	· —		140
Poa bulbosa Ericameria nauseosa	20	Yes Yes	FACU UPL	· -		275 145 (B)
3. Lepidium latifolium	10	No	FAC	Prevalence Index		
4. Bromus tectorum	25	Yes	UPL		'	
5. Taeniatherum caput-medusae	10	No	UPL	Hydrophytic Vegeta		
6. Xanthium spinosum		No No	FACU	Dominance Test		
7. Elymus elymoides 8.	5	No	FACU	Prevalence Index	≀is ≤3.0 laptations¹ (Provide :	supporting
o	100	Total Cover			ks or on a separate s	
Woody Vine Stratum (Plot size:)			Problematic Hydi	ophytic Vegetation ¹	(Explain)
1.				¹ Indicators of hydric s	,	0,
2		=Total Cover		be present, unless dis	sturbed or problemat	.IU.
		2 22 00.01		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 15 % 0	Cover of Bioti	c Crust		Present? Yes	No	_
Remarks:						

SOIL Sampling Point: SP-18n

Profile Desc	ription: (Describe	to the depth		ument th		tor or c	confirm the	absence of indic	cators.)	
•		0/				12	Tard		Damanda	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Text		Remarks	
0-10	10YR 3/2	100					Silt Lo	<u>am</u>		
								 -		
17	to-tion D. Dool	leties DM 5	Andread Makes			-4-40		21	N. Dana Lining M.	14 - 4 - i -
	ncentration, D=Dep					pated Sa			PL=Pore Lining, M=	
=	ndicators: (Applica	ible to all Lr							roblematic Hydric	Solis :
Histosol (•		Sandy Re-						A9) (LRR C) A10) (LRR B)	
	pedon (A2)			,	•					(I DD D)
Black His	` '		Loamy Mu	-					nese Masses (F12)	(LRR D)
	Sulfide (A4)	.,	Loamy Gle					Reduced Ve	' '	
	Layers (A5) (LRR C	•)	Depleted I		-				Material (F21)	3)
	ck (A9) (LRR D)	(8.4.4)	Redox Da		, ,				v Dark Surface (F2	2)
	Below Dark Surface	e (A11)	Depleted I					Other (Expla	in in Remarks)	
	rk Surface (A12)		Redox De	pression	s (F8)					
	ucky Mineral (S1)	3, ,, ,								
	eyed Matrix (S4)	Indicators	s of hydrophytic v	egetatio	n and we	tiand ny	drology mus	t be present, unle	ess disturbed or pro	blematic.
	ayer (if observed):									
Type:	Rock	10	_						.,	N V
Depth (in	cnes):	10	_				Hyaric So	il Present?	Yes	No X
Remarks:										
HYDROLO	GY									
Wetland Hyd	rology Indicators:									
_	ators (minimum of o	ne is require	d; check all that	apply)				Secondary Indica	ators (minimum of t	wo required)
Surface V	Vater (A1)		Salt Crust	(B11)				Water Marks	s (B1) (Riverine)	
High Wat	er Table (A2)		Biotic Crus	st (B12)				Sediment De	eposits (B2) (Riveri	ne)
Saturatio	n (A3)		Aquatic In	vertebrat	tes (B13)			Drift Deposit	s (B3) (Riverine)	
Water Ma	arks (B1) (Nonriveri	ne)	Hydrogen	Sulfide (Odor (C1)			Drainage Pa	itterns (B10)	
Sediment	Deposits (B2) (Nor	rriverine)	Oxidized F	Rhizosph	eres on L	iving R	oots (C3)	Dry-Season	Water Table (C2)	
Drift Dep	osits (B3) (Nonriver	ine)	Presence	of Reduc	ced Iron (C4)		Crayfish Bur	rows (C8)	
Surface S	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Til	led Soil	s (C6)	Saturation V	isible on Aerial Ima	gery (C9)
Inundatio	n Visible on Aerial I	magery (B7)	Thin Muck	Surface	(C7)			Shallow Aqu	itard (D3)	
Water-St	ained Leaves (B9)		Other (Exp	olain in R	Remarks)			FAC-Neutral	Test (D5)	
Field Observ	ations:									
Surface Water	er Present? Ye	s	No x	Depth (i	nches):					
Water Table	Present? Ye	es —	No x		nches):	,				
Saturation Pr			No x		nches):		Wetland	Hydrology Pres	sent? Yes	No X
(includes cap				' '	′ –			,		
	orded Data (stream	gauge, mon	itoring well, aeria	l photos	, previous	inspec	tions), if avai	ilable:		
Remarks:										
rteiliains.										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow County Sampling Da						8/2022
Applicant/Owner: NextEra Energy				State:	OR	Sampling Poir	nt: SI	P-18o
Investigator(s): EI, EG, AF, LE	s	Section, Town	nship, Rang	e:	_			
Landform (hillside, terrace, etc.): Valley Bottom	Local	relief (conca	ve, convex,	none): Con	ncave	5	Slope (%)): 2
Subregion (LRR): LRR B Lat: 45.515199			Long: <u>-11</u>	9.309242		Datur	n: NA	083
Soil Map Unit Name: 78: Xeric Torriorthents, nearly level				NW	I classifica	tion: Riverine	e	
Are climatic / hydrologic conditions on the site typical for the	is time of year?	Ye:	s	No (If	f no, expla	in in Remarks	.)	
Are Vegetation X , Soil X , or Hydrology X sign	nificantly disturb	ed? Are "	'Normal Cir	cumstances" pre		Yes X	No	
Are Vegetation, Soil, or Hydrologynat				ain any answers		·ks.)		
SUMMARY OF FINDINGS – Attach site map				-			atures	, etc.
Hydrophytic Vegetation Present? Yes X No		Is the Sa	mpled Are	a				
Hydric Soil Present? Yes X No		within a	Wetland?	Yes	s <u>X</u>	No		
Wetland Hydrology Present? Yes X No _								
Remarks: Wetland has been heavily grazed by cattle								
VEGETATION – Use scientific names of pla								
			dicator Status	Dominance T	est works	sheet:		
1.	<u> </u>			Number of Do	minant Sp	ecies That	0	(4)
2. 3.				Are OBL, FAC		_	3	_(A)
4.				Total Number Across All Stra		int Species	3	(B)
Sapling/Shrub Stratum (Plot size:) 1.	=Tota	l Cover		Percent of Do			100.0%	(A/B)
2.				Prevalence In	ndex work	sheet:		
3.				Total % 0	Cover of:	N	fultiply by	y :
4				OBL species	60	x 1 =	60	_
5	T.1.	10		FACW species		x2=_	60	_
Herb Stratum (Plot size: 5 feet)	=10ta	l Cover		FAC species FACU species	0 0	x 3 = x 4 =	0	_
Herb Stratum (Plot size: 5 feet) 1. Veronica americana	20	Yes	OBL	UPL species	0		0	_
Nasturtium officinale			OBL	Column Totals		(A)	120	— (B)
3. Echinochloa crus-galli			ACW	Prevalence			.33	- ` ′
4.								
5.				Hydrophytic \	Vegetation	n Indicators:		
6				X Dominanc				
7				X Prevalenc				
8						tations ¹ (Provi		
	90 =Tota	l Cover				or on a separa		
Woody Vine Stratum (Plot size:)						nytic Vegetatio		,
1				¹ Indicators of I be present, un				must
	=Tota	l Cover		Hydrophytic		·		
% Bare Ground in Herb Stratum 10 % Co	ver of Biotic Cru	ust		Vegetation Present?	Yes	X No_		
Remarks:			L					

SOIL Sampling Point: SP-180

Profile Desc	ription: (Describe t	o the depth	needed to doc	ument tl	ne indica	tor or c	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/1	75	10YR 2/1	15	D	M	Sandy	10YR 4/6 redox
8-15	10YR 3/1	95	10YR 4/6	5	С	M	Loamy/Clayey	Prominent redox concentrations
¹ Type: C=Co	ncentration, D=Depl	etion, RM=F	Reduced Matrix, 0	CS=Cove	ered or Co	oated Sa	and Grains. ² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applica	ble to all LF	RRs, unless other	erwise n	oted.)		Indicator	rs for Problematic Hydric Soils ³ :
Histosol ((A1)		Sandy Re	dox (S5)			1 cm	Muck (A9) (LRR C)
Histic Ep	ipedon (A2)		x Stripped M	1atrix (S6	6)		2 cm	Muck (A10) (LRR B)
Black His	stic (A3)		Loamy Mu	icky Mine	eral (F1)		Iron-N	Manganese Masses (F12) (LRR D)
x Hydroger	n Sulfide (A4)		Loamy Gle	eyed Mat	rix (F2)		Redu	ced Vertic (F18)
l ——	Layers (A5) (LRR C)	Depleted I	•	•			Parent Material (F21)
1 cm Mud	ck (A9) (LRR D)		X Redox Da					Shallow Dark Surface (F22)
I—	Below Dark Surface	(A11)	Depleted [Other	r (Explain in Remarks)
	rk Surface (A12)		Redox De	pression	s (F8)			
	ucky Mineral (S1)	2						
Sandy Gl	eyed Matrix (S4)	¹Indicators	s of hydrophytic v	/egetatio	n and we	tland hy	drology must be prese	nt, unless disturbed or problematic.
Restrictive L	.ayer (if observed):							
Type:	Rock		_					
Depth (in	ches):	15	_				Hydric Soil Present	t? Yes X No
Remarks:								
HYDROLO	GY							
Wetland Hyd	Irology Indicators:							
Primary Indic	ators (minimum of o	ne is require	d; check all that	apply)			<u>Secondar</u>	ry Indicators (minimum of two required)
x Surface \	Vater (A1)		Salt Crust	` '				r Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crus					ment Deposits (B2) (Riverine)
x Saturatio			Aquatic In		, ,			Deposits (B3) (Riverine)
	arks (B1) (Nonriverii	•	x Hydrogen					age Patterns (B10)
I ——	t Deposits (B2) (Non		Oxidized F	•		•	· /	Season Water Table (C2)
	osits (B3) (Nonriveri	ne)	Presence		`	,		ish Burrows (C8)
	Soil Cracks (B6)	2000n/ (P7)	Recent Iro			ied Soil:		ration Visible on Aerial Imagery (C9)
	n Visible on Aerial In ained Leaves (B9)	lagery (D7)	Thin Muck Other (Exp					ow Aquitard (D3) Neutral Test (D5)
Field Observ			Other (EX	Jani III IV	erriarks)		<u> </u>	rveutai Test (D3)
Surface Water		o v	No	Depth (i	nchoc):	1		
Water Table		s X s X	No No	Depth (i	· -	0		
Saturation Pr		s <u>x</u>	No	Depth (i	′ –	0	Wetland Hydrolog	gy Present? Yes X No
(includes cap		<u> </u>		Dopui (i	_		Trottana nyaroto;	gy : 1000iii: 100 <u>//</u> 110
	corded Data (stream	gauge, mon	itoring well, aeria	l photos	previous	sinspec	tions), if available:	
Remarks:								
L								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	ınty: Morrow	County	Sampling Date:	10/18/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18p
Investigator(s): EI, AF, EG, JT, LE, KP		Section,	Township, Ra	inge: 1S 27E S16		
Landform (hillside, terrace, etc.): Valley Bottom	L	_ocal relief (c	oncave, conv	ex, none): none	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classit	fication:	
Are climatic / hydrologic conditions on the site typical for	r this time of	year?	Yes X	No (If no, exp	plain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly d	listurbed?	Are "Normal (Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrologyr	naturally prob	lematic? ((If needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site ma	p showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes No) X	Is the	e Sampled A	rea		
	X		n a Wetland		No X	
	<u> </u>					
Remarks:						
VEGETATION – Use scientific names of p	lante					
VEGETATION – Use scientific flames of ρ	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:)	% Cover		Status	Dominance Test wo	rksheet:	
1.				Number of Dominant		• (•)
2. 3.				Are OBL, FACW, or F		0 (A)
4.				Total Number of Dom Across All Strata:	inant Species	3 (B)
		Total Cover		Percent of Dominant	Species That	``
Sapling/Shrub Stratum (Plot size:)				Are OBL, FACW, or F	•	.0% (A/B)
1.						
2. 3.				Prevalence Index wo Total % Cover of		ply by:
4.					0 x 1 =	0
5.				FACW species	5 x 2 =	10
	=	Total Cover		· ·		0
Herb Stratum (Plot size: 5 feet)	20	V	FACIL	· -		40
Poa bulbosa Ericameria nauseosa	20	Yes Yes	FACU_ UPL	'		225 375 (B)
Verbascum thapsus	5	No	FACU	Prevalence Index	`	`
4. Bromus tectorum	25	Yes	UPL			
5. Agrostis stolonifera	5	No	FACW	Hydrophytic Vegetat		
6.				Dominance Test		
7. 8.					∷is ≤3.0° aptations¹ (Provide :	supporting
o	85 =	Total Cover			s or on a separate	
Woody Vine Stratum (Plot size:)				Problematic Hydr	ophytic Vegetation ¹	(Explain)
1				¹ Indicators of hydric s		
		Total Cover		be present, unless dis	surbed or problemat	ii.
		22.31		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 15 % C	Cover of Bioti	c Crust		Present? Yes	No	_
Remarks:						

SOIL Sampling Point: SP-18p

	ription: (Describe t	to the depth				ator or c	confirm the absen	ce of indicators	i.)
Depth (inches)	Matrix Color (moist)	<u></u> %	Color (moist)	x Featur %		Loc ²	Texture		Remarks
			COIOI (IIIOISI)	-70	Type ¹	LUC	Sandy Loam		rveillail(2)
0-10	10YR 4/2	100					Sandy Loani		
			_						
								<u> </u>	
			_						
¹Type: C=Co	ncentration, D=Depl	etion RM-F	Reduced Matrix C	-S-Cove	ared or C	nated S	and Grains ² I	ocation: DI =Do	re Lining, M=Matrix.
	ndicators: (Applica					oated of			matic Hydric Soils ³ :
Histosol (` • •	DIC to all El	Sandy Red		•			cm Muck (A9) (L	-
	ipedon (A2)		Stripped M					cm Muck (A10)	
Black His			Loamy Mu	,	,				Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-				educed Vertic (F	, , , ,
	Layers (A5) (LRR C)	Depleted N	-				ed Parent Materi	•
	ck (A9) (LRR D)		Redox Dar	•	•			ery Shallow Dark	
Depleted	Below Dark Surface	(A11)	Depleted D	ark Sur	face (F7))	<u> </u>	ther (Explain in F	Remarks)
Thick Dark Surface (A12) Redox Depressions (F8)									
Sandy M	Sandy Mucky Mineral (S1)								
Sandy Gleyed Matrix (S4) 3Indicators of hydrophytic vegetation and wetlar						tland hy	drology must be pr	resent, unless dis	sturbed or problematic.
Restrictive L	ayer (if observed):								
Type: _	Rock		_						
Depth (in	ches):	10	<u> </u>				Hydric Soil Pres	sent?	Yes No _X
HYDROLO	GY								
Wetland Hyd	rology Indicators:								
_	ators (minimum of o	ne is require	ed; check all that a	apply)			Secor	ndary Indicators ((minimum of two required)
Surface V	Vater (A1)		Salt Crust	(B11)			W	/ater Marks (B1)	(Riverine)
High Wat	er Table (A2)		Biotic Crus	t (B12)			S	ediment Deposits	s (B2) (Riverine)
Saturatio	n (A3)		Aquatic Inv	/ertebra	tes (B13))	D	rift Deposits (B3)	(Riverine)
	arks (B1) (Nonriveri		Hydrogen		-			rainage Patterns	
	t Deposits (B2) (Nor		Oxidized R			-	· · —	ry-Season Water	, ,
	osits (B3) (Nonriver	ine)	Presence of		,	,		rayfish Burrows (` '
	Soil Cracks (B6)	magan, (D7)	Recent Iro			lied Soli			on Aerial Imagery (C9)
	n Visible on Aerial Ir ained Leaves (B9)	nagery (b7)	Thin Muck Other (Exp		. ,			hallow Aquitard (AC-Neutral Test	· ,
_	. ,		Other (Exp	nann in r	delliai ks)		 ''	AC-Neutiai Test	(D3)
Field Observ Surface Wate		c	No. v	Donth (i	nchoe):				
Water Table		s <u></u>			nches): _ nches):				
Saturation Pr					nches): _		Wetland Hydro	ology Present?	Yes No X
(includes cap			<u> </u>	Dopui (i			Wettana Hyan	ology i resemi.	103 110_X
	orded Data (stream	gauge, mor	nitoring well, aeria	photos	, previous	s inspec	tions), if available:		
	`		· ,	•	•	•	•		
Remarks:									

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Arid West Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow		Sampling Date:	10/18/2022
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-18q
Investigator(s): EI, EG, AF, LE	So	ection, Township, Rar	nge: 1S 27E S16		
Landform (hillside, terrace, etc.): Valley Bottom	Localı	relief (concave, conve	x, none): Concave	Slo	pe (%): 2
Subregion (LRR): LRR B Lat: 45.515199			119.309242	Datum:	NAD83
Soil Map Unit Name: 78: Xeric Torriorthents, nearly lev				ication: Riverine	
Are climatic / hydrologic conditions on the site typical for		Yes X	No (If no, exp		
Are Vegetation X , Soil X , or Hydrology X	-		ircumstances" present?		lo
Are Vegetation, Soil, or Hydrology	-		olain any answers in Ren		
SUMMARY OF FINDINGS – Attach site m			•	,	tures, etc.
Lhydranhytia Vagatatian Dracent? Vag. V. N.		le the Compled Ar			
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No	<u> </u>	Is the Sampled Ar within a Wetland?		No	
	<u> </u>	within a wettana.	100 <u>X</u>	<u> </u>	
Remarks:					
Wetland has been heavily grazed by cattle					
VEGETATION – Use scientific names of p					
<u>Tree Stratum</u> (Plot size:)		ninant Indicator ecies? Status	Dominance Test wo	rkshoot:	
1.	70 COVC1 Opc	Otatus	Number of Dominant		
2.			Are OBL, FACW, or F	•	2 (A)
3.			Total Number of Dom	inant Species	
4			Across All Strata:		2 (B)
	=Total	Cover	Percent of Dominant	•	00.00/ /4/5
Sapling/Shrub Stratum (Plot size:1.)		Are OBL, FACW, or F	AC: 10	00.0% (A/B)
2.			Prevalence Index wo		
3.			Total % Cover of		Itiply by:
4.			OBL species 10	00 x 1 =	100
5.			FACW species () x 2 =	0
	=Total	Cover		x 3 =	0
Herb Stratum (Plot size: 5 feet)				x 4 =	0
Veronica americana Nasturtium officinale		/es OBL OBL	UPL species (Column Totals: 10	x 5 =	0 100 (B)
2		res OBL	Prevalence Index		`` ′
4.			Trevalence index		<u> </u>
5.			Hydrophytic Vegetat	ion Indicators:	
6.			X Dominance Test i	s >50%	
7			X Prevalence Index		
8				aptations ¹ (Provide	
Was dividing Christian (Distains	100=Total	Cover		s or on a separate	•
Woody Vine Stratum (Plot size:				ophytic Vegetation ¹	,
1			¹ Indicators of hydric so be present, unless dis		
	=Total	Cover	Hydrophytic	p. objective	
			Vegetation		
% Bare Ground in Herb Stratum	Cover of Biotic Cru	st	•	X No	_
Remarks:			•		

SOIL Sampling Point: SP-18q

	•	o the dept				tor or c	onfirm the absence	of indicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	Featur %	es Type ¹	Loc ²	Texture		Remarks	
(inches) 0-6	10YR 2/2	100	COIOI (IIIOISI)	70	туре	LUC	Silty clay loam		remarks	
6-11	10YR 2/1	100					Sandy			
¹ Type: C=Co	oncentration, D=Depl	etion. RM=	Reduced Matrix. C	S=Cove	red or Co	pated Sa	and Grains. ² Loc	cation: PL=Por	e Linina. M=M	atrix.
	ndicators: (Applica							ors for Probler		•
Histosol ((A1)		Sandy Red	ox (S5)	,		1 cm	n Muck (A9) (L	RR C)	
	ipedon (A2)		Stripped Ma		i)			n Muck (A10) (I		
Black His	stic (A3)		Loamy Muc	ky Mine	ral (F1)		Iron	-Manganese M	asses (F12) (L	.RR D)
x Hydroger	n Sulfide (A4)		Loamy Gle	ed Mat	rix (F2)		Red	luced Vertic (F	18)	
Stratified	Layers (A5) (LRR C)	Depleted M	atrix (F	3)			Parent Materia	,	
	ck (A9) (LRR D)		Redox Dark					y Shallow Dark	, ,	
	Below Dark Surface	(A11)	Depleted D				Oth	er (Explain in R	temarks)	
	rk Surface (A12)		Redox Dep	ressions	s (F8)					
	ucky Mineral (S1)	3								
	eyed Matrix (S4)	°Indicatoi	rs of hydrophytic ve	egetatio	n and we	tland hy	drology must be pres	ent, unless dis	turbed or probl	ematic.
	.ayer (if observed):									
Type:	Rock									
Depth (in	ches):	11					Hydric Soil Presei	nt?	Yes X	No
HYDROLO	GY									
_	Irology Indicators:									
=	ators (minimum of o	ne is requir						ary Indicators (o required)
x Surface \	, ,		Salt Crust (,				ter Marks (B1) (
	ter Table (A2)		Biotic Crust		(D40)			iment Deposits		e)
x Saturatio	` '	20)	Aquatic Inv					Deposits (B3)		
	arks (B1) (Nonriveri ı t Deposits (B2) (Non		x Hydrogen S Oxidized RI					inage Patterns Season Water		
	osits (B3) (Nonriver i	•	Presence o			-		yfish Burrows (
	Soil Cracks (B6)		Recent Iron		-	-		uration Visible o	,	erv (C9)
	n Visible on Aerial Ir	nagery (B7					` '	llow Aquitard ([_	., (55)
	ained Leaves (B9)	3) (Other (Expl					C-Neutral Test (,	
Field Observ	vations:								<u>, , , , , , , , , , , , , , , , , , , </u>	
Surface Water	er Present? Ye	s x	No I	Depth (i	nches):	1				
Water Table		s x		 Depth (i	· -	0				
Saturation Pr				Depth (i	nches):	0	Wetland Hydrolo	ogy Present?	Yes X	No
(includes cap	illary fringe)				_					
Describe Red	corded Data (stream	gauge, mo	nitoring well, aerial	photos,	previous	inspec	tions), if available:			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cour	nty: Morrow	County	Sampling Date:	10/18/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18r
Investigator(s): EI, AF, EG, JT, LE, KP		Section, T	ownship, Ra	ange: 1S 27E S16		
Landform (hillside, terrace, etc.): Valley Bottom	Lo	ocal relief (co	ncave, conv	ex, none): none	Slop	oe (%):2
Subregion (LRR): LRR B Lat: 45.51519	9		Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical	al for this time of	year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly di	sturbed? A	re "Normal (Circumstances" present?	Yes X No	<u> </u>
Are Vegetation, Soil, or Hydrology	naturally probl	ematic? (l	f needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site	map showing	g sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland		No X	
Wetland Hydrology Present? Yes	No <u>X</u>					
Remarks:						
VEGETATION – Use scientific names o	f plants					
VEGETATION - Use scientific fiames o	Absolute	Dominant	Indicator	<u> </u>		
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.				Number of Dominant	•	
2. 3.	_			Are OBL, FACW, or I		0 (A)
4.				Total Number of Dom Across All Strata:	ninant Species	3 (B)
· ·	 =	Total Cover		Percent of Dominant	Species That	(-)
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or I	•	.0% (A/B)
1						
2. 3.				Prevalence Index we Total % Cover of		inly by:
1					0 x 1 =	iply by: 0
5.					0 x 2 =	0
	= ⁻	Total Cover		FAC species	0 x 3 =	0
Herb Stratum (Plot size: 5 feet)						140
Poa bulbosa Ericameria nauseosa	<u>30</u> 20	Yes Yes	FACU UPL	· -		225 365 (B)
Verbascum thapsus		No	FACU	Prevalence Index		
4. Bromus tectorum	25	Yes	UPL			
5.				Hydrophytic Vegeta	tion Indicators:	
6				Dominance Test		
7				Prevalence Index		
8		Total Cover			laptations ¹ (Provide ks or on a separate	
Woody Vine Stratum (Plot size:		Total Cover			rophytic Vegetation ¹	•
1				¹ Indicators of hydric s		,
2.	_			be present, unless di		
	=	Total Cover		Hydrophytic		
0/ Poro Cround in Horb Chatters 20	0/ Cover of Distin	Crust		Vegetation	N.	
	% Cover of Biotic	Crust		Present? Yes	No	_
Remarks:						

SOIL Sampling Point: SP-18r

Depth	Matrix	to the deptr		ument ti x Featur		itor or C	confirm the absence of	n mulcaturs.)
(inches)	Color (moist)	%	Color (moist)	% realur	Type ¹	Loc ²	Texture	Remarks
			COIOI (IIIOISI)	/0	i ype	LUC	Silt Loam	IVellians
0-10	10YR 3/3	100					— Oilt Loaili	
	oncentration, D=Dep					oated S		tion: PL=Pore Lining, M=Matrix.
_	ndicators: (Applica	ble to all Li			•			s for Problematic Hydric Soils ³ :
Histosol	• •		Sandy Re					Muck (A9) (LRR C)
	ipedon (A2)		Stripped N		-			Muck (A10) (LRR B)
Black Hi	` '		Loamy Mu	•	, ,			Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gl	-	. ,			ced Vertic (F18)
	Layers (A5) (LRR C	;)	Depleted I		-			Parent Material (F21)
	ck (A9) (LRR D)		Redox Da		. ,			Shallow Dark Surface (F22)
	Depleted Below Dark Surface (A11)Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8)						Other	(Explain in Remarks)
	, ,		Redox De					
	Sandy Mucky Mineral (S1) Sandy Glaved Matrix (S4) 3Indicators of hydrophytic vegetation and wetle							
Sandy G	Sandy Gleyed Matrix (S4) 3Indicators of hydrophytic vegetation and wetla						drology must be prese	nt, unless disturbed or problematic.
Restrictive Layer (if observed):								
Type:	Rock		_					
Depth (ir	nches):	10	_				Hydric Soil Present	? Yes No X
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
Primary India	ators (minimum of c	ne is require	ed; check all that	apply)			Secondar	y Indicators (minimum of two required)
Surface	Water (A1)		Salt Crust	(B11)			Wate	r Marks (B1) (Riverine)
High Wa	ter Table (A2)		Biotic Cru	st (B12)			Sedir	nent Deposits (B2) (Riverine)
Saturation	on (A3)		Aquatic In	vertebra	tes (B13)		Drift [Deposits (B3) (Riverine)
Water M	arks (B1) (Nonriveri	ne)	Hydrogen	Sulfide (Odor (C1))	Drain	age Patterns (B10)
Sedimer	t Deposits (B2) (Nor	rriverine)	Oxidized F			_	oots (C3) Dry-S	Season Water Table (C2)
	osits (B3) (Nonriver	ine)	Presence	of Redu	ced Iron (C4)		ish Burrows (C8)
	Soil Cracks (B6)		Recent Iro			lled Soil	` ′	ation Visible on Aerial Imagery (C9)
Inundation	on Visible on Aerial I	magery (B7)	Thin Muck	Surface	e (C7)			ow Aquitard (D3)
Water-S	tained Leaves (B9)		Other (Exp	olain in F	Remarks)		FAC-	Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present? Ye	s	No x	Depth (i	nches):			
Water Table	Present? Ye	s	No x		nches):			
Saturation P	resent? Ye	s	No x	Depth (i	nches):		Wetland Hydrolog	gy Present? Yes No X
(includes cap	oillary fringe)							
Describe Re	corded Data (stream	gauge, mon	itoring well, aeria	l photos	, previous	s inspec	tions), if available:	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Coun	ity: Morrow (County	Sampling Date:	10/18/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18s
Investigator(s): EI, EG, AF, LE		Section, To	wnship, Rang	ge: 1S 27E S16		
Landform (hillside, terrace, etc.): Valley Bottom	Lo	cal relief (con	icave, convex	, none): Concave	Slo	pe (%):2
Subregion (LRR): LRR B Lat: 45.515199			Long: <u>-1</u>	19.309242	Datum:	NAD83
Soil Map Unit Name: 78: Xeric Torriorthents, nearly le	/el			NWI classit	ication: Riverine	
Are climatic / hydrologic conditions on the site typical f	or this time of ye	ear?	Yes X	No (If no, ex	olain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly dis	turbed? Ar	e "Normal Cir	cumstances" present?		0
Are Vegetation, Soil, or Hydrology	naturally proble	ematic? (If	needed, expl	ain any answers in Ren		
SUMMARY OF FINDINGS – Attach site m			point loca	ations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled Are	a		
· —	lo	within	a Wetland?	Yes X	No	
Wetland Hydrology Present? Yes X N	lo					
Remarks: Wetland has been heavily grazed by cattle						
VEGETATION – Use scientific names of						
<u>Tree Stratum</u> (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:	
1				Number of Dominant	Species That	2 (4)
2. 3.				Are OBL, FACW, or F		2 (A)
4.				Total Number of Dom Across All Strata:	inant Species	2 (B)
Sapling/Shrub Stratum (Plot size:1.) =-	Γotal Cover		Percent of Dominant Are OBL, FACW, or F		00.0% (A/B)
2.				Prevalence Index we	orksheet:	
3.				Total % Cover o	f: Mult	tiply by:
4					5 x 1 =	45
5		Fatal Causa		· · · · · · · · · · · · · · · · · · ·	x 2 =	0
Herb Stratum (Plot size: 5 feet)	=	Total Cover		· -	0 x 3 =	120 0
1. Veronica americana	40	Yes	OBL		x 5 =	0
2. Rumex crispus	40	Yes	FAC			165 (B)
3. Nasturtium officinale	5	No	OBL	Prevalence Index		
4.						
5				Hydrophytic Vegeta		
6.				X Dominance Test		
7.				X Prevalence Index	is ≤3.01 aptations¹ (Provide	
8	85 =	Total Cover			aptations (Provide as or on a separate	
Woody Vine Stratum (Plot size:)	I Olai Covei			ophytic Vegetation ¹	*
1	,			¹ Indicators of hydric s	. , ,	` ' '
2.				be present, unless dis		
	=	Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum 15 %	Cover of Biotic	Crust		Vegetation Present? Yes	XNo	<u> </u>
Remarks:						

SOIL Sampling Point: SP-18s

Profile Desc Depth	ription: (Describe t Matrix	to the dept		ument th x Featur		tor or c	onfirm the absence of	findicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/1	100	Color (illoiot)		.) 0		Silty clay loam	· · · · · · · · · · · · · · · · · · ·
0-10	10113/1	100						
							,	
¹ Type: C=Co	oncentration, D=Depl	etion. RM=I	Reduced Matrix. 0	S=Cove	red or C	oated Sa	and Grains. ² Locat	ion: PL=Pore Lining, M=Matrix.
	ndicators: (Applica							s for Problematic Hydric Soils ³ :
Histosol			Sandy Red		,			Muck (A9) (LRR C)
Histic Ep	ipedon (A2)		Stripped M		6)			Muck (A10) (LRR B)
Black His			Loamy Mu	•	•			anganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-				ed Vertic (F18)
	Layers (A5) (LRR C)	Depleted N	-				arent Material (F21)
1 cm Mu	ck (A9) (LRR D)		Redox Dai	k Surfac	e (F6)		Very S	Shallow Dark Surface (F22)
Depleted	Below Dark Surface	(A11)	Depleted [Oark Surf	face (F7)	1	Other	(Explain in Remarks)
Thick Da	rk Surface (A12)		Redox De	pressions	s (F8)			
Sandy M	ucky Mineral (S1)							
Sandy G	leyed Matrix (S4)	³ Indicator	rs of hydrophytic v	egetatio	n and we	tland hy	drology must be presen	t, unless disturbed or problematic.
Restrictive L	ayer (if observed):							
Type: _	Rock		<u>—</u>					
Depth (in	iches):	10	<u>—</u>				Hydric Soil Present?	? Yes <u>X</u> No
	-04							
HYDROLO								
_	drology Indicators:	:_ :					Cd	. In dia atom (mainiman at the many in ad)
x Surface \	cators (minimum of o	ne is require	ed; cneck all that Salt Crust					/ Indicators (minimum of two required) Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crust	, ,				ent Deposits (B2) (Riverine)
x Saturatio			Aquatic In		es (B13)			eposits (B3) (Riverine)
	arks (B1) (Nonriveri i	ne)	x Hydrogen					ige Patterns (B10)
	t Deposits (B2) (Non	•	Oxidized F					eason Water Table (C2)
	osits (B3) (Nonriveri		Presence			-		sh Burrows (C8)
· ·	Soil Cracks (B6)	,	Recent Iro		,	,		ition Visible on Aerial Imagery (C9)
	on Visible on Aerial In	nagery (B7)						w Aquitard (D3)
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		X FAC-N	leutral Test (D5)
Field Observ	vations:							
Surface Water	er Present? Ye	s <u>x</u>	No	Depth (i	nches): _	1		
Water Table	Present? Ye	s x		Depth (i	′ =	0		
Saturation Pr		s <u>x</u>	No	Depth (i	nches):	0	Wetland Hydrolog	y Present? Yes X No
(includes cap	oillary fringe)							
				Inhotoe	provious	s inspect	tions) if available.	
Describe Red	corded Data (stream	gauge, mor	nitoring well, aeria	i priotos,	, previous	з пторост	ions), ii avallabic.	
Remarks:	corded Data (stream	gauge, mor	nitoring well, aeria	i priotos,	, previous		ions), ii avallabic.	
	corded Data (stream	gauge, mor	nitoring well, aeria	Грпогоз	, previous		ions), ii availabio.	
	corded Data (stream	gauge, mor	nitoring well, aeria	Грпогоз	, previous		ions), ii availabie.	

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	ınty: Morrow	County	Sampling Date:	10/18/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18t
Investigator(s): EI, AF, EG, JT, LE, KP		Section,	Township, Ra	ange: 1S 27E S16		
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (c	oncave, conv	rex, none): none	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical f	or this time of	f year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	significantly o	disturbed?	Are "Normal (Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? ((If needed, ex	xplain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes N	o X	Is the	e Sampled A	ırea		
	o X		n a Wetland		No X	
	o <u>X</u>					
Remarks:						
l VEGETATION – Use scientific names of p	lante					
VEGETATION - 05e scientific flames of p	Absolute	Dominant	Indicator	I		
Tree Stratum (Plot size:)	% Cover		Status	Dominance Test wo	rksheet:	
1.				Number of Dominant		
2. 3.				Are OBL, FACW, or F		1 (A)
4.				Total Number of Dom Across All Strata:	linant Species	3 (B)
		Total Cover		Percent of Dominant	Species That	``
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F	•	6.3% (A/B)
1.						
2. 3.				Prevalence Index wo Total % Cover o		ply by:
4.					0 x 1 =	0
5.				FACW species	0 x 2 =	0
		=Total Cover		· · · · · · · · · · · · · · · · · · ·		60
Herb Stratum (Plot size: 5 feet)	20	V	FACIL	· —		40
Poa bulbosa Distichlis spicata	20	Yes Yes	FACU FAC	· -		00 800 (B)
Verbascum thapsus	5	No	FACU	Prevalence Index		
4. Bromus tectorum	20	Yes	UPL			
5				Hydrophytic Vegeta		
6.				Dominance Test Prevalence Index		
7. 8.					≀is ≤3.01 laptations¹ (Provide :	supporting
o	75	=Total Cover			ks or on a separate s	
Woody Vine Stratum (Plot size:)			Problematic Hydr	ophytic Vegetation ¹	(Explain)
1. 2.				¹ Indicators of hydric s be present, unless dis		
		Total Cover		Hydrophytic	Starboa or problema	
				Vegetation		
% Bare Ground in Herb Stratum 25 %	Cover of Bioti	c Crust		Present? Yes	No	_
Remarks:						

SOIL Sampling Point: SP-18t

Depth	Matrix	to the depti		ument ti x Featur		IOI OF C	confirm the absence o	i mulcaturs.)
(inches)	Color (moist)	%	Color (moist)	% realur	Type ¹	Loc ²	Texture	Remarks
			COIOI (IIIOISI)	/0	i ype	LUC	Silty clay loam	IZCIIIAIVS
0-18	10YR 3/3	100					Silly clay loan	
	oncentration, D=Dep					oated S		tion: PL=Pore Lining, M=Matrix.
_	ndicators: (Applica	ble to all Li			•			s for Problematic Hydric Soils ³ :
Histosol	• •		Sandy Re					Muck (A9) (LRR C)
	ipedon (A2)		Stripped N	-	-			Muck (A10) (LRR B)
Black Hi	` '		Loamy Μι	•	, ,			langanese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gl	-	. ,			ced Vertic (F18)
	Layers (A5) (LRR C	;)	Depleted I	-	-			arent Material (F21)
	ck (A9) (LRR D)		Redox Da		, ,			Shallow Dark Surface (F22)
	Below Dark Surface	e (A11)	Depleted		, ,		Other	(Explain in Remarks)
	rk Surface (A12)		Redox De	pression	s (F8)			
	ucky Mineral (S1)	a						
Sandy G	leyed Matrix (S4)	Indicator	s of hydrophytic \	/egetatio	n and we	tland hy	drology must be preser	nt, unless disturbed or problematic.
Restrictive I	_ayer (if observed):							
Type:	Rock		_					
Depth (ir	nches):	18	_				Hydric Soil Present?	? Yes No_X
HYDROLO	GY							
Wetland Hy	drology Indicators:							
Primary India	cators (minimum of c	ne is require	ed; check all that	apply)			Secondary	/ Indicators (minimum of two required)
Surface	Water (A1)		Salt Crust	(B11)			Water	Marks (B1) (Riverine)
High Wa	ter Table (A2)		Biotic Cru	st (B12)			Sedim	nent Deposits (B2) (Riverine)
Saturation	on (A3)		Aquatic In	vertebra	tes (B13)		Drift D	Deposits (B3) (Riverine)
Water M	arks (B1) (Nonriveri	ne)	Hydrogen	Sulfide (Odor (C1))		age Patterns (B10)
	t Deposits (B2) (Nor		Oxidized F			_	· · — ·	eason Water Table (C2)
	osits (B3) (Nonriver	rine)	Presence					sh Burrows (C8)
	Soil Cracks (B6)		Recent Iro			lled Soil	` '	ation Visible on Aerial Imagery (C9)
	on Visible on Aerial I	magery (B7)						w Aquitard (D3)
Water-S	tained Leaves (B9)		Other (Exp	olain in F	Remarks)		FAC-N	Neutral Test (D5)
Field Obser								
Surface Wat		es	No x		nches):			
Water Table		es	No <u>x</u>		nches):			
Saturation P		es	No <u>x</u>	Depth (i	nches):		Wetland Hydrolog	y Present? Yes No X
(includes cap							1	
Describe Re	corded Data (stream	gauge, mor	itoring well, aeria	al photos	, previous	sinspec	tions), if available:	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow County Sampling Date:							
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18u			
Investigator(s): EI, EG, AF, LE		Section, 1	ownship, Ra	inge: 1S 27E S16					
Landform (hillside, terrace, etc.): Valley Bottom	L	ocal relief (co	ncave, conv	ex, none): Concave	Slop	e (%): 2			
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83			
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	ication: Riverine				
Are climatic / hydrologic conditions on the site typical f	or this time of	year?	Yes X	No (If no, exp	olain in Remarks.)				
Are Vegetation X , Soil X , or Hydrology X	significantly d	isturbed? A	re "Normal (Circumstances" present?	Yes X No	'			
Are Vegetation, Soil, or Hydrology	naturally prob	lematic? (I	f needed, ex	plain any answers in Rer	narks.)				
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects,	important feat	ıres, etc.			
Hydrophytic Vegetation Present? Yes X N	0	Is the	Sampled A	rea					
	0		within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X N	0								
Remarks:									
Wetland has been heavily grazed by cattle									
l VEGETATION – Use scientific names of p	lanta								
	Absolute	Dominant	Indicator	Ī					
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wor	ksheet:				
1.				Number of Dominant		_ ,,,			
2. 3.				Are OBL, FACW, or F		3 (A)			
4.				Total Number of Domi Across All Strata:	nant Species	3 (B)			
	=	Total Cover		Percent of Dominant S	———Species That	(-)			
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F	•	0.0% (A/B)			
1									
2. 3.				Prevalence Index wo Total % Cover of		ply by:			
4.				OBL species 5		ріу Бу. 5			
5.				FACW species 5		00			
	=	Total Cover		FAC species 2	0 x 3 =	60			
Herb Stratum (Plot size: 5 feet)	00		540	FACU species 1		40			
Rumex crispus Trifolium repens	<u>20</u> 10	Yes No	FACU	UPL species Column Totals: 8		0 205 (B)			
Echinochloa crus-galli	25	Yes	FACW	Prevalence Index	`'				
4. Polypogon monspeliensis	25	Yes	FACW						
5. <u>Lemna minor</u>	5	No	OBL	Hydrophytic Vegetat	ion Indicators:				
6.				X Dominance Test i					
7. 8.				X Prevalence Index	ıs ≤3.0' aptations¹ (Provide s	aupporting			
o	85 =	Total Cover			s or on a separate s				
Woody Vine Stratum (Plot size:				Problematic Hydro	ophytic Vegetation ¹	(Explain)			
1.				¹ Indicators of hydric so	oil and wetland hydr	ology must			
2				be present, unless dis	turbed or problemat	ic.			
	=	Total Cover		Hydrophytic					
% Bare Ground in Herb Stratum 15 %	Cover of Biotic	c Crust		Vegetation Present? Yes	X No				
Remarks:	2.3		_	1					
									

SOIL Sampling Point: SP-18u

	ription: (Describe t	o the dept				ator or o	confirm the absen	ce of indicators	5.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	es Type ¹	Loc ²	Texture		Remarks	
(inches) 0-2	Color (moist)		Color (IIIOISI)	70	rype	LUC	Sandy Clay		nemarks	
	10YR 3/6	100					Sandy Clay			
2-16	10YR 2/2	100					- Januy Clay			
1 _{Type:} C=C		otion DM-	Daduard Matrix C			acted C	and Crains 21	ocation: PL=Po	ro Lining M=M	otriv.
	oncentration, D=Deploration					oaled S		ators for Proble		
Histosol	`	Die to all L	Sandy Red		oteu.)			cm Muck (A9) (I	-	iolis .
	oipedon (A2)		Stripped M		;)			cm Muck (A10)		
Black Hi			Loamy Mu	•	•			on-Manganese N		RR D)
	n Sulfide (A4)		Loamy Gle	-				Reduced Vertic (F		2)
	l Layers (A5) (LRR C	Depleted N	-				Red Parent Mater	*		
	ick (A9) (LRR D)	Redox Dar					ery Shallow Darl			
	Below Dark Surface	(A11)	Depleted D		. ,)		other (Explain in l		
	ark Surface (A12)	()	Redox Dep					` '	,	
	lucky Mineral (S1)				` ,					
	leyed Matrix (S4)	³ Indicato	rs of hydrophytic v	egetatio	n and we	tland hy	/drology must be pi	resent, unless di	sturbed or probl	ematic.
Restrictive	Layer (if observed):									
Type:	Rock									
Depth (in		16					Hydric Soil Pres	sent?	Yes X	No
Remarks:										
r tomanto.										
HYDROLC	GY									
Wetland Hy	drology Indicators:									
_	cators (minimum of o	ne is requir	ed; check all that a	apply)			Secon	ndary Indicators	(minimum of tw	o required)
x Surface	Water (A1)		Salt Crust	(B11)			V	Vater Marks (B1)	(Riverine)	
x High Wa	iter Table (A2)		Biotic Crus	t (B12)			<u></u> s	ediment Deposit	ts (B2) (Riverin	e)
x Saturation	on (A3)		Aquatic Inv	/ertebrat	es (B13))	<u> </u>	rift Deposits (B3) (Riverine)	
Water M	arks (B1) (Nonriveria	ne)	x Hydrogen	Sulfide C	Odor (C1))	D	rainage Patterns	s (B10)	
Sedimer	nt Deposits (B2) (Non	riverine)	Oxidized R	hizosph	eres on L	_iving R	oots (C3)D	ry-Season Wate	r Table (C2)	
Drift Dep	oosits (B3) (Nonriver	ine)	Presence of	of Reduc	ed Iron ((C4)		rayfish Burrows		
	Soil Cracks (B6)		Recent Iro			lled Soil	ls (C6)S	aturation Visible	on Aerial Image	ery (C9)
x Inundation	on Visible on Aerial In	nagery (B7						hallow Aquitard	. ,	
Water-S	tained Leaves (B9)		Other (Exp	lain in R	emarks)		<u>X</u> F	AC-Neutral Test	(D5)	
Field Obser	vations:									
Surface Wat	er Present? Yes	s <u>X</u>	No	Depth (ii	nches): _	1				
Water Table				Depth (ii	· -	0				
Saturation P		s <u>X</u>	No	Depth (ii	nches):	0	Wetland Hydr	ology Present?	Yes X	No
(includes cap										
Describe Re	corded Data (stream	gauge, mo	nitoring well, aeria	l photos,	previous	s inspec	ctions), if available:			
Remarks:										
nemarks.										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cour	nty: Morrow	Sampling	Date:	10/18/2022	
Applicant/Owner: NextEra Energy				State: OF	R Sampling	Point:	SP-18v
Investigator(s): EI, AF, EG, JT, LE, KP		Section, T	ownship, Ra	nge: 1S 27E S16		•	
Landform (hillside, terrace, etc.): Valley	Bottom	 Local relief (co	ncave, conv	ex, none): none		Slope	e (%): <u>2</u>
Subregion (LRR): LRR B La	t: 45.515199		Long:	119.309242		Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loan	n			NWI c	lassification:		
Are climatic / hydrologic conditions on the	ne site typical for this time o	f year?	Yes X	No (If no	o, explain in Rem	arks.)	
Are Vegetation <u>X</u> , Soil <u>X</u> , or Hy	ydrology X significantly o	disturbed? A	re "Normal (Circumstances" pres	sent? Yes X	(No	
Are Vegetation, Soil, or Hy	ydrologynaturally prol	olematic? (I	f needed, ex	plain any answers i	n Remarks.)		
SUMMARY OF FINDINGS - Att	tach site map showin	ıg samplinç	g point lo	cations, transe	cts, importar	nt featu	res, etc.
Hydrophytic Vegetation Present? Ye	es No X	Is the	Sampled A	rea			
	es No X		n a Wetland		NoX	(
Wetland Hydrology Present? Ye	es No X				-		
Remarks:							
VEGETATION – Use scientific	names of plants						
VEGETATION - Use scientific	Absolute	Dominant	Indicator	ı			
<u>Tree Stratum</u> (Plot size:		Species?	Status	Dominance Tes	t worksheet:		
1.				Number of Domi	•		
2. 3.				Are OBL, FACW		1	(A)
4.				Total Number of Across All Strata	•		B (B)
		=Total Cover		Percent of Domii		-	(-)
Sapling/Shrub Stratum (Plot size	e:)			Are OBL, FACW	•		3% (A/B)
1							
2				Prevalence Inde Total % Cov		Multin	dy by:
1				OBL species	0 x1	Multip	
5.				FACW species	0 x 2)
		=Total Cover		FAC species	20 x 3	= 6	0
	feet)			FACU species	35 x 4		10
 Poa bulbosa Distichlis spicata 		Yes Yes	FACU FAC	UPL species Column Totals:	20 x 5 75 (A)		
Verbascum thapsus	5	No	FACU	Prevalence In		4.00	00 (B)
4. Bromus tectorum	20	Yes	UPL				
5.				Hydrophytic Ve	getation Indicate	ors:	
6				Dominance			
7				Prevalence I			
8		=Total Cover			al Adaptations ¹ (F emarks or on a se		
Woody Vine Stratum (Plot size	e:)	Total Gover			Hydrophytic Veg	•	,
1				¹ Indicators of hyd		•	. ,
2.				be present, unles			
		=Total Cover		Hydrophytic			
% Bare Ground in Herb Stratum 25	% Cover of Biot	ic Crust		Vegetation Present?	Yes M	No	
Remarks:			_	7 1000.111		<u> </u>	
. Comarino.							

SOIL Sampling Point: SP-18v

	ription: (Describe	to the depth				tor or c	onfirm the absen	ice of indicators	.)	
Depth	Matrix			x Featur						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-18	10YR 3/3	100					Silty clay loam			
	-									
ļ										
	oncentration, D=Dep					oated Sa			re Lining, M=Matr	
-	Indicators: (Applica	ble to all LR							matic Hydric Soi	ls":
Histosol	(A1)		Sandy Re	dox (S5)				cm Muck (A9) (L		
Histic Ep	pipedon (A2)		Stripped N	/latrix (S	3)		2	cm Muck (A10)	(LRR B)	
Black Hi	stic (A3)		Loamy Μι	icky Min	eral (F1)		Ir	ron-Manganese N	Masses (F12) (LR	R D)
Hydroge	n Sulfide (A4)		Loamy Gl	eyed Ma	trix (F2)		F	Reduced Vertic (F	18)	
Stratified	Layers (A5) (LRR C	;)	Depleted	Matrix (F	3)		F	Red Parent Materi	ial (F21)	
1 cm Mu	ck (A9) (LRR D)		Redox Da	rk Surfac	e (F6)			ery Shallow Dark	Surface (F22)	
Depleted	Below Dark Surface	e (A11)	Depleted	Dark Sur	face (F7)		<u> </u>	Other (Explain in F	Remarks)	
Thick Da	rk Surface (A12)	,	Redox De					` .	,	
	lucky Mineral (S1)			•	(- /					
	leyed Matrix (S4)	³ Indicators	of hydrophytic	/eɑetatio	n and we	tland hv	drology must be p	resent. unless dis	sturbed or probler	natic.
	_ayer (if observed):		, , ,			Ť			<u> </u>	
Type:	Rock									
Depth (ir		18	_				Hydric Soil Pres	cont?	Yes N	No Y
Remarks:		10	_				Tryunc 3011 File.	Sent:		No X
HYDROLO	GY									
Wetland Hye	drology Indicators:									
Primary India	cators (minimum of c	ne is require	d; check all that	apply)			Seco	ndary Indicators ((minimum of two r	required)
Surface	Water (A1)		Salt Crust	(B11)			V	Vater Marks (B1)	(Riverine)	
High Wa	ter Table (A2)		Biotic Cru	st (B12)			s	Sediment Deposit	s (B2) (Riverine)	
Saturation	on (A3)		Aquatic In	vertebra	tes (B13)		<u>—</u>	Orift Deposits (B3)	(Riverine)	
Water M	arks (B1) (Nonriveri	ne)	Hydrogen	Sulfide (Odor (C1))	<u>—</u>	rainage Patterns	(B10)	
	nt Deposits (B2) (Nor		Oxidized F					Ory-Season Wate	, ,	
	oosits (B3) (Nonriver		Presence			_	· · —	Crayfish Burrows	` ,	
	Soil Cracks (B6)	-,	Recent Iro		,	,		-	on Aerial Imagery	/ (C9)
	on Visible on Aerial I	magery (B7)	Thin Muck				` ′	Shallow Aquitard (, ()
	tained Leaves (B9)		Other (Ex					AC-Neutral Test	,	
Field Obser								, 10 11041141 1001	(20)	
Surface Wat		ie.	No x	Depth (i	nchee).					
Water Table			No x		nches):					
Saturation P		es					Watland Hydr	ology Procent?	Voc.	uo V
			No <u>x</u>	Debiii (i	nches):		Wetianu nyui	ology Present?	Yes	No X
(includes cap	corded Data (stream	gauge, moni	toring well, aeria	al photos	previous	inspec	tions). if available:			
	2 2 (553111	J J-,	J z, aone	,	, ,	- - 55	,,			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow County Sampling Date:							
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18w			
Investigator(s): EI, EG, AF, LE		Section, 1	Township, Ra	ange: 1S 27E S21					
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (co	oncave, conv	ex, none): Concave	Slop	e (%): 2			
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83			
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	cation: Riverine				
Are climatic / hydrologic conditions on the site typical f	for this time of	year?	Yes X	No (If no, exp	lain in Remarks.)				
Are Vegetation X , Soil X , or Hydrology X	significantly o	listurbed? A	re "Normal (Circumstances" present?	Yes X No	'			
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (If needed, ex	plain any answers in Rer	narks.)				
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects,	important feat	ıres, etc.			
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea					
	lo		within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X N	lo								
Remarks:									
Wetland has been heavily grazed by cattle									
VEGETATION – Use scientific names of p	nlante								
VEGETATION - 03c 3cicnume names of p	Absolute	Dominant	Indicator	<u> </u>					
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wor	ksheet:				
1.				Number of Dominant		2 (4)			
2. 3.				Are OBL, FACW, or F		3 (A)			
4.				Total Number of Domi Across All Strata:	nant Species	3 (B)			
		Total Cover		Percent of Dominant S	Species That	``			
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F	AC: 100	0.0% (A/B)			
1.									
2. 3.				Prevalence Index wo Total % Cover of		ply by:			
4.				OBL species 5		5			
5.				FACW species 5	0 x 2 = 1	00			
	:	=Total Cover		FAC species 2		60			
Herb Stratum (Plot size: 5 feet)	20	Vaa	E AC	FACU species 19 UPL species 0		40 0			
Rumex crispus Trifolium repens	10	Yes No	FACU	Column Totals: 8		205 (B)			
3. Echinochloa crus-galli	25	Yes	FACW	Prevalence Index	``				
4. Polypogon monspeliensis	25	Yes	FACW						
5. <u>Lemna minor</u>	5	No	OBL	Hydrophytic Vegetat					
6. 7.				X Dominance Test i					
8.				X Prevalence Index	is ≤3.0 aptations¹ (Provide s	supporting			
·	85	Total Cover			s or on a separate s				
Woody Vine Stratum (Plot size:				Problematic Hydro	ophytic Vegetation ¹	(Explain)			
1.				¹ Indicators of hydric so					
2	· ——	=Total Cover		be present, unless dis	turbed or problemat	ic.			
		- i olai Guvel		Hydrophytic Vegetation					
% Bare Ground in Herb Stratum 15 %	Cover of Bioti	c Crust		Present? Yes	X No				
Remarks:		-				_			

SOIL Sampling Point: SP-18w

	• •	to the depti				itor or o	confirm the abser	nce of indicators	5.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	Type ¹	Loc ²	Tevture		Pemarks	
0-2	10YR 3/6	100	Color (moist)		Турс		Sandy Clay		Remarks	
								ndy Clay		
2-16	10YR 2/2	100					- Carray Clay			
		· ·	·							
¹Type: C=Co	ncentration, D=Dep	letion, RM=F	Reduced Matrix, C	S=Cove	red or Co	oated S	and Grains.	Location: PL=Po	re Lining, M=Mat	rix.
	ndicators: (Applica									•
Histosol			Sandy Red		,		1	I cm Muck (A9) (I	LRR C)	
Histic Ep	ipedon (A2)		Stripped M	latrix (S6	3)			2 cm Muck (A10)	(LRR B)	
Black His	stic (A3)		Loamy Mu	cky Mine	eral (F1)		<u> </u>	ron-Manganese N	Masses (F12) (LR	R D)
x Hydroger	n Sulfide (A4)		Loamy Gle	yed Mat	rix (F2)		<u> </u>	Reduced Vertic (F	⁻ 18)	
Stratified	Layers (A5) (LRR 0	;)	Depleted N	/latrix (F	3)		F	Red Parent Mater	ial (F21)	
1 cm Mu	ck (A9) (LRR D)		Redox Dar	k Surfac	e (F6)		/	ery Shallow Darl	k Surface (F22)	
Depleted	Below Dark Surface	e (A11)	Depleted [Other (Explain in I	Remarks)	
Thick Da	rk Surface (A12)		Redox Dep	pressions	s (F8)					
	ucky Mineral (S1)	2								
Sandy G	leyed Matrix (S4)	³Indicator	s of hydrophytic v	egetatio	n and we	tland hy	drology must be p	oresent, unless di	sturbed or proble	matic.
Restrictive L	.ayer (if observed):									
Type:	Rock									
Depth (in	ches):	16					Hydric Soil Pre	sent?	Yes X	No
Remarks:										
HYDROLO	GV									
-	Irology Indicators:						0		/i-i	
-	ators (minimum of o	ne is require						-	(minimum of two	<u>requirea)</u>
x Surface \	` '		Salt Crust Biotic Crus	` '				Nater Marks (B1)	s (B2) (Riverine)	
x Saturatio	ter Table (A2)		Aquatic Inv		oc (B13)			Drift Deposits (B3		
	arks (B1) (Nonriver i	ino)	x Hydrogen					Drainage Patterns		
	t Deposits (B2) (No		Oxidized F					Dry-Season Wate		
	osits (B3) (Nonrive		Presence			_		Crayfish Burrows		
	Soil Cracks (B6)	,	Recent Iro					•	on Aerial Imager	v (C9)
	n Visible on Aerial I	magery (B7)						Shallow Aquitard		, (,
	ained Leaves (B9)	0 , ()	Other (Exp					- FAC-Neutral Test	• •	
Field Observ	/ations:									
Surface Water		es x	No	Depth (ii	nches):	1				
Water Table		es x			nches):	0				
Saturation Pr		es X			nches):		Wetland Hydi	rology Present?	Yes X	No
(includes cap					′ –					
	corded Data (stream	gauge, mor	nitoring well, aeria	l photos,	previous	sinspec	ctions), if available:			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	Sampling Date:	10/18/2022				
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18x		
Investigator(s): EI, AF, EG, JT, LE, KP		Section,	Township, Ra	ange: 1S 27E S16				
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (c	oncave, conv	rex, none): none	Slop	e (%): 2		
Subregion (LRR): LRR B Lat: 45.515199			Long: -	119.309242	Datum:	NAD83		
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classi	fication:			
Are climatic / hydrologic conditions on the site typical for	or this time o	f year?	Yes X	No (If no, ex	plain in Remarks.)			
Are Vegetation X , Soil X , or Hydrology X	significantly o	disturbed?	Are "Normal (Circumstances" present?	Yes X No	·		
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? ((If needed, ex	xplain any answers in Re	marks.)			
SUMMARY OF FINDINGS – Attach site ma	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.		
Hydrophytic Vegetation Present? Yes No	. X	Is the	e Sampled A	ırea				
	X	within a Wetland? Yes No X						
	<u> X</u>							
Remarks:								
VEGETATION – Use scientific names of p	lants							
VEGETATION COC SCIENTING HARMES OF P	Absolute	Dominant	Indicator					
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:			
1. 2.				Number of Dominant Are OBL, FACW, or F		1 (A)		
				Total Number of Dom		1 (A)		
4.				Across All Strata:	illiant opecies	3 (B)		
		=Total Cover		Percent of Dominant	Species That			
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F	FAC: 33	3.3% (A/B)		
1 2.				Prevalence Index we	orkoboot:			
3.				Total % Cover o		iply by:		
4.				OBL species	0 x 1 =	0		
5				· · · —	0 x 2 =	0		
Hank Chartum (Diet sine) - F feet		=Total Cover		· · · · · · · · · · · · · · · · · · ·		60		
Herb Stratum (Plot size: 5 feet) 1. Poa bulbosa	30	Yes	FACU	· —		140		
Distichlis spicata	20	Yes	FAC	· · · · · · · · · · · · · · · · · · ·		300 (B)		
3. Verbascum thapsus	5	No	FACU	Prevalence Index	= B/A = 4.00	l		
4. Bromus tectorum	20	Yes	UPL					
5 6.				Hydrophytic Vegetat Dominance Test				
7				Prevalence Index				
8.					laptations ¹ (Provide :			
	75	=Total Cover			ks or on a separate s	•		
Woody Vine Stratum (Plot size:)				ophytic Vegetation ¹			
1. 2.				¹ Indicators of hydric s be present, unless dis				
		=Total Cover		Hydrophytic	'			
	_	_		Vegetation				
	Cover of Biot	ic Crust		Present? Yes	No			
Remarks:								

SOIL Sampling Point: SP-18x

		o the depth				ator or c	onfirm the absenc	e of indicators	.)
Depth (inches)	Matrix Color (moist)	<u></u> %	Color (moist)	x Featur %		Loc ²	Texture		Remarks
			Coloi (moist)	70	Type ¹	LUC			iveillaiks
0-18	10YR 3/3	100					Silty clay loam	_	
								_	
								_	
¹ Type: C=Co	ncentration, D=Depl	etion. RM=F	Reduced Matrix. C	S=Cove	ered or C	oated Sa	and Grains. ² Lo	cation: PL=Po	re Lining, M=Matrix.
	ndicators: (Applica								matic Hydric Soils ³ :
Histosol (Sandy Red					m Muck (A9) (L	-
Histic Epi	pedon (A2)		Stripped M					m Muck (A10) (
Black His	tic (A3)		Loamy Mu	cky Mine	eral (F1)		Iro	n-Manganese M	lasses (F12) (LRR D)
Hydrogen	Sulfide (A4)		Loamy Gle	yed Ma	trix (F2)		Re	duced Vertic (F	18)
Stratified	Layers (A5) (LRR C)	Depleted N	•	•		Re	d Parent Materi	al (F21)
1 cm Muc	k (A9) (LRR D)		Redox Dar					ry Shallow Dark	
· ·	Below Dark Surface	(A11)	Depleted D)	Oth	her (Explain in F	Remarks)
	k Surface (A12)		Redox Dep	ression	s (F8)				
	ucky Mineral (S1)	3							
Sandy Gl	eyed Matrix (S4)	Indicator	s of hydrophytic v	egetatio	n and we	tland hy	drology must be pre	esent, unless dis	sturbed or problematic.
	ayer (if observed):								
Type:	Rock		_						
Depth (inc	ches):	18	_				Hydric Soil Prese	ent?	Yes No _X
HYDROLO	GY								
Wetland Hyd	rology Indicators:								
Primary Indica	ators (minimum of o	ne is require	ed; check all that a	apply)			Second	dary Indicators (minimum of two required
Surface V	Vater (A1)		Salt Crust	(B11)			Wa	ater Marks (B1)	(Riverine)
High Wat	er Table (A2)		Biotic Crus	t (B12)			Se	diment Deposits	s (B2) (Riverine)
Saturation	, ,		Aquatic Inv		, ,			ft Deposits (B3)	•
	rks (B1) (Nonriveri		Hydrogen \$		-			ainage Patterns	
	Deposits (B2) (Non		Oxidized R			-	· · · — ·	y-Season Water	` '
	osits (B3) (Nonriver	ine)	Presence of		,	,		ayfish Burrows (,
	Soil Cracks (B6) n Visible on Aerial Ir	nagony (B7)	Recent Iron Thin Muck			ilea Soil		allow Aquitard (on Aerial Imagery (C9)
	ained Leaves (B9)	ilagery (b <i>r)</i>	Other (Exp		. ,			C-Neutral Test	•
Field Observ			Other (Exp	iaiii iii i	(emarks)		<u>'^</u>	C-Neutiai Test	(D3)
Surface Wate		9	No x	Denth (i	nches):				
Water Table F		s <u></u>			nches):				
Saturation Pre					nches):		Wetland Hydro	logy Present?	Yes No_X
(includes capi				' '	′ –		, , ,	3,	<u> </u>
	orded Data (stream	gauge, mor	nitoring well, aerial	photos	, previous	s inspec	tions), if available:		
Domonico									
Remarks:									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	Sampling Date:	10/18/2022					
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18y			
Investigator(s): EI, EG, AF, LE		Section, 1	Township, Ra	ange: 1S 27E S22					
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (co	oncave, conv	rex, none): Concave	Slop	e (%): 2			
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long:	119.309242	Datum:	NAD83			
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	ication: Riverine				
Are climatic / hydrologic conditions on the site typical f	or this time of	year?	Yes X	No (If no, exp	olain in Remarks.)				
Are Vegetation X , Soil X , or Hydrology X	significantly o	listurbed? A	re "Normal (Circumstances" present?	Yes X No)			
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (If needed, ex	xplain any answers in Rer	marks.)				
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.			
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	rea					
	lo		within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X N	lo								
Remarks:									
Wetland has been heavily grazed by cattle									
VEGETATION – Use scientific names of p	nlante								
VEGETATION - 03c 3cicnume names of p	Absolute	Dominant	Indicator	1					
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wor	ksheet:				
1.				Number of Dominant		2 (4)			
2. 3.				Are OBL, FACW, or F		3 (A)			
4.				Total Number of Domi Across All Strata:	inant Species	3 (B)			
	:	Total Cover		Percent of Dominant S	Species That	``			
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F	AC: 10	0.0% (A/B)			
1.									
2. 3.				Prevalence Index wo Total % Cover of		ply by:			
4.				OBL species 5		5			
5.				FACW species 5	0 x 2 = 1	00			
	:	=Total Cover		FAC species 2		60			
Herb Stratum (Plot size: 5 feet)	20	Vaa	FAC	FACU species 19 UPL species 0		40 0			
Rumex crispus Trifolium repens	10	Yes No	FACU	Column Totals: 8		205 (B)			
3. Echinochloa crus-galli	25	Yes	FACW	Prevalence Index					
4. Polypogon monspeliensis	25	Yes	FACW						
5. <u>Lemna minor</u>	5	No	OBL	Hydrophytic Vegetat					
6. 7.				X Dominance Test i					
8.				X Prevalence Index	is ≤3.0 aptations¹ (Provide :	supporting			
·	85	Total Cover			s or on a separate				
Woody Vine Stratum (Plot size:)			Problematic Hydro	ophytic Vegetation ¹	(Explain)			
1.				¹ Indicators of hydric so					
2		=Total Cover		be present, unless dis	turbed or problemat	ic.			
		- i olai Guvel		Hydrophytic Vegetation					
% Bare Ground in Herb Stratum 15 %	Cover of Bioti	c Crust			X No_				
Remarks:		-				_			

SOIL Sampling Point: SP-18y

	ription: (Describe	to the dept				itor or o	confirm the abse	ence of indicat	iors.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	Type ¹	Loc ²	Texture		Remarks	
	, ,		Color (moist)		Туре	LUC			Remarks	
0-2	10YR 3/6	100					Sandy Cla Sandy Cla			
2-16	10YR 2/2	100					- Salidy Cir			
	-									
1- 0.0								2,		
	ncentration, D=Dep					oated S				•
-	ndicators: (Applica	ible to all L			otea.)				•	oolis":
Histosol	` '		Sandy Red		.,			-		
Black His	ipedon (A2)		Stripped M	,	,			-		DD D\
	` '		Loamy Mu	-				•	. , ,	.אא ט)
	n Sulfide (A4)	•1	Loamy Gle					Reduced Vertice Red Parent Ma		
	Layers (A5) (LRR 0 ck (A9) (LRR D)	•)	Depleted Medox Dar						Dark Surface (F22)	
	. , . ,	. (Δ11)	Depleted [Other (Explain		
	Below Dark Surface	5 (A11)	Redox Dep		, ,	'	_	Other (Explain	iii Neillaiks)	
	rk Surface (A12) ucky Mineral (S1)		Redox De	JI ESSIOI I	s (FO)					
	leyed Matrix (S4)	³ Indicato	rs of hydronhytic y	enetatio	n and we	tland h	vdrology must be	nresent unless	s disturbed or prob	ematic
			io oi nyaropinyao v	ogotatio	Tana We	I	yarology made bo	proceint, armoot	o diotarboa or prob	orridato.
	.ayer (if observed):									
Type: _ Depth (in	Rock	16	_				Hydric Soil Pro	000nt2	Yes X	No
• •		10	_				Hydric 30ii Fi	esent:	162	NO
Remarks:										
HYDROLO	GY									
	Irology Indicators:									
-	ators (minimum of c	ne is requir	ed check all that	annly)			Sec	ondary Indicate	ors (minimum of tw	o required)
x Surface \	·	nio io regaii	Salt Crust					Water Marks (I	•	<u>o roquirou</u>
	ter Table (A2)		Biotic Crus	` '					osits (B2) (Riverin	e)
x Saturatio			Aquatic In		es (B13)				(B3) (Riverine)	٠,
	arks (B1) (Nonriver i	ne)	x Hydrogen					Drainage Patte		
	t Deposits (B2) (No		Oxidized F					_	ater Table (C2)	
	osits (B3) (Nonrive		Presence			_		Crayfish Burro		
	Soil Cracks (B6)	-,	Recent Iro					•	ble on Aerial Imag	ery (C9)
	n Visible on Aerial I	magery (B7						Shallow Aquita	_	, ()
	ained Leaves (B9)	3 7 (Other (Exp					FAC-Neutral T	, ,	
Field Observ									,	
Surface Water		es x	No	Depth (ii	nches):	1				
Water Table		es x			nches):	0				
Saturation Pr		s x			nches):		Wetland Hyd	Irology Preser	nt? Yes X	No
(includes cap				(_					
	corded Data (stream	gauge, mo	nitoring well, aeria	l photos.	previous	s inspec	ctions), if available			
				·	<u> </u>					
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	Sampling Date:	10/18/2022				
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-18z		
Investigator(s): EI, AF, EG, JT, LE, KP		Section,	Township, Ra	ange: 1S 27E S22				
Landform (hillside, terrace, etc.): Valley Bottom		Local relief (c	oncave, conv	rex, none): none	Slop	e (%): 2		
Subregion (LRR): LRR B Lat: 45.515199			Long: -	119.309242	Datum:	NAD83		
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classi	fication:			
Are climatic / hydrologic conditions on the site typical for	or this time of	f year?	Yes X	No (If no, ex	plain in Remarks.)			
Are Vegetation X , Soil X , or Hydrology X	significantly o	disturbed?	Are "Normal (Circumstances" present?	Yes X No			
Are Vegetation, Soil, or Hydrologyr	naturally prob	olematic? ((If needed, ex	xplain any answers in Re	marks.)			
SUMMARY OF FINDINGS – Attach site ma	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.		
Hydrophytic Vegetation Present? Yes No	. X	Is the	e Sampled A	ırea				
	<u> </u>	within a Wetland? Yes No X						
	<u> X</u>							
Remarks:								
VEGETATION – Use scientific names of p	lants							
VEGETATION COCCOUNTING NAMES OF P	Absolute	Dominant	Indicator					
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:			
1. 2.				Number of Dominant Are OBL, FACW, or F		1 (A)		
3				Total Number of Dom		1 (A)		
4.				Across All Strata:	illiant opecies	3 (B)		
		=Total Cover		Percent of Dominant	Species That			
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F	FAC: 33	(A/B)		
1 2.				Prevalence Index we	orkoboot:			
3.				Total % Cover o		ply by:		
4.					0 x 1 =	0		
5				· · · —	0 x 2 =	0		
Hart Obstance (District 5 fort		=Total Cover		· · · · · · · · · · · · · · · · · · ·		60		
Herb Stratum (Plot size: 5 feet) 1. Poa bulbosa	30	Yes	FACU	· —		00		
Distichlis spicata	20	Yes	FAC	· · · · · · · · · · · · · · · · · · ·		00 (B)		
3. Verbascum thapsus	5	No	FACU	Prevalence Index				
4. Bromus tectorum	20	Yes	UPL					
5				Hydrophytic Vegeta				
6 7.				Dominance Test Prevalence Index				
8.					laptations ¹ (Provide :	supporting		
	75	Total Cover		data in Remark	ks or on a separate s	sheet)		
Woody Vine Stratum (Plot size:)			Problematic Hydr	ophytic Vegetation ¹	(Explain)		
1. 2.				¹ Indicators of hydric s be present, unless dis				
		Total Cover		Hydrophytic	F			
				Vegetation				
	Cover of Bioti	c Crust		Present? Yes	No	_		
Remarks:								

SOIL Sampling Point: SP-18z

Depth	matrix	to the dept		x Featu		llor or c	confirm the absence of	of indicators.)
(inches)	Color (moist)	%	Color (moist)	% «	Type ¹	Loc ²	Texture	Remarks
			Color (moist)	70	Турс		Silty clay loam	Remarks
0-18	10YR 3/3	100					Only Clay Ioani	
	-							
1=			Dealers of Matrice C				21	Alice DI Dens Lining M Matrix
	oncentration, D=De Indicators: (Applic					bated S		ation: PL=Pore Lining, M=Matrix. s for Problematic Hydric Soils ³ :
Histosol		able to all L	Sandy Red					Muck (A9) (LRR C)
	oipedon (A2)		Stripped M					Muck (A10) (LRR B)
Black Hi			Loamy Mu	•	•			Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-	, ,			iced Vertic (F18)
	Layers (A5) (LRR	C)	Depleted N	•	, ,			Parent Material (F21)
	ick (A9) (LRR D)	O ,	Redox Dai	•	,			Shallow Dark Surface (F22)
	Below Dark Surfac	re (A11)	Depleted [٠,			r (Explain in Remarks)
	ark Surface (A12)) (/ (/ / /)	Redox De					(Explain in Nomano)
	Sandy Mucky Mineral (S1)				15 (1 5)			
Sandy Gleyed Matrix (S4) 3Indicators of hydrophytic vegetation				n and we	tland hy	drology must be prese	ent, unless disturbed or problematic.	
	Layer (if observed)					Ť	, 0, 1	· · · · · · · · · · · · · · · · · · ·
Type:	Rock							
Depth (in		18	_				Hydric Soil Present	? Yes No X
			<u>—</u>				,	·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··
Remarks:								
HYDROLO	GY							
_	drology Indicators cators (minimum of		od: chock all that	annly)			Socondar	ry Indicators (minimum of two required)
-	Water (A1)	one is require						er Marks (B1) (Riverine)
	iter Table (A2)		Salt Crust Biotic Crus	` '				ment Deposits (B2) (Riverine)
Saturation	` '		Aquatic In	,	toc (B13)			Deposits (B3) (Riverine)
	arks (B1) (Nonrive	rino)	Hydrogen					rage Patterns (B10)
	nt Deposits (B2) (No		Oxidized F					Season Water Table (C2)
	oosits (B3) (Nonrive	•	Presence			_		fish Burrows (C8)
	Soil Cracks (B6)	,,,,,,	Recent Iro					ration Visible on Aerial Imagery (C9)
	on Visible on Aerial	Imagery (B7						ow Aquitard (D3)
	tained Leaves (B9)		Other (Exp					Neutral Test (D5)
Field Obser	. ,				,			
Surface Wat		es	No x	Depth (i	inches):			
Water Table		es			inches):			
Saturation P		es			inches):		Wetland Hydrolog	gy Present? Yes No X
(includes car				I= · ('	/-			<u>,</u>
	corded Data (strear	n gauge, moi	nitoring well, aeria	l photos	, previous	sinspec	ctions), if available:	
				<u> </u>			<u> </u>	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	City/County: Morrow	County	Sampling Date:	10/19/2022
Applicant/Owner: NextEra Energy		State: OR	Sampling Point:	SP-19a
Investigator(s): EI, AF, LE	Section, Township, Rai	nge: 1S 27E S21		
Landform (hillside, terrace, etc.): Valley Bottom	ocal relief (concave, conve	ex, none): Concave	Slop	e (%): 2
Subregion (LRR): LRR B Lat: 45.515199	Long: <u>-1</u>	19.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam		NWI classific	cation: Riverine	
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes X	No (If no, expl	ain in Remarks.)	
Are Vegetation $\underline{\hspace{1cm}X\hspace{1cm}}$, Soil $\underline{\hspace{1cm}X\hspace{1cm}}$, or Hydrology $\underline{\hspace{1cm}X\hspace{1cm}}$ significantly dis	sturbed? Are "Normal C	ircumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrologynaturally problem.	ematic? (If needed, exp	olain any answers in Rem	arks.)	
SUMMARY OF FINDINGS – Attach site map showing	g sampling point loo	ations, transects, i	mportant featu	ıres, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Ar	ea		
Hydric Soil Present? Yes X No	within a Wetland?		No	
Wetland Hydrology Present? Yes X No				
Remarks:				
Wetland has been heavily grazed by cattle				
VEGETATION – Use scientific names of plants.				
Absolute	Dominant Indicator			
Tree Stratum (Plot size:) % Cover	Species? Status	Dominance Test work	sheet:	
1. 2.		Number of Dominant S Are OBL, FACW, or FA		1 (A)
3.		Total Number of Domir	nant Species	
4		Across All Strata:		1 (B)
Sapling/Shrub Stratum (Plot size:)	Total Cover	Percent of Dominant S Are OBL, FACW, or FA	•).0% (A/B)
1		Ale OBL, FACW, OFF	100	7.0 76 (A/B)
2.		Prevalence Index wor		
3.		Total % Cover of:	Multip	oly by:
4		OBL species 0		0
5	 Total Cover	FACW species 60 FAC species 0		<u>20 </u>
Herb Stratum (Plot size: 5 feet)	Total Cover	FACU species 5		20
1. Hordeum murinum 5	No FACU	UPL species 0	x 5 =	0
2. Phalaris arundinacea 60	Yes FACW	Column Totals: 65	(A) 1	40 (B)
3		Prevalence Index =	B/A = 2.15	
4		Hydrophytic Vegetation	on Indicators:	
6.		X Dominance Test is		
7.		X Prevalence Index is		
8.		Morphological Ada		
	Total Cover		or on a separate s	•
Woody Vine Stratum (Plot size:)			phytic Vegetation ¹ (,
1		¹ Indicators of hydric so be present, unless dist		
=======================================	Total Cover	Hydrophytic	·	
		Vegetation		
% Bare Ground in Herb Stratum 35 % Cover of Biotic	Crust	Present? Yes_	<u> </u>	-
Remarks:				

SOIL Sampling Point: SP-19a

Profile Desc Depth	ription: (Describe Matrix	to the dept		ment th Featur		itor or c	confirm the abser	nce of indicators	s.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0-20	10YR 2/2	100	35.5. (.,,,,		silt loam		
0-20	10111 2/2	100					- Oilt IOGITI		
¹ Type: C=Co	oncentration, D=Depl	letion. RM=	Reduced Matrix. C	S=Cove	red or C	pated S	and Grains.	Location: PL=Po	ore Lining, M=Matrix.
	ndicators: (Applica								ematic Hydric Soils ³ :
Histosol (Sandy Red		,			1 cm Muck (A9) (•
Histic Ep	ipedon (A2)		Stripped M		6)			2 cm Muck (A10)	
Black His			Loamy Mud	ky Mine	eral (F1)				Masses (F12) (LRR D)
Hydroger	n Sulfide (A4)		Loamy Gle					Reduced Vertic (I	
Stratified	Layers (A5) (LRR C	;)	Depleted M	latrix (F:	3)			Red Parent Mate	·
1 cm Mu	ck (A9) (LRR D)		Redox Darl	Surfac	e (F6)			Very Shallow Dar	k Surface (F22)
Depleted	Below Dark Surface	e (A11)	Depleted D	ark Sur	face (F7)			Other (Explain in	Remarks)
Thick Da	rk Surface (A12)		Redox Dep	ressions	s (F8)				
Sandy M	ucky Mineral (S1)		<u> </u>						
Sandy Gl	leyed Matrix (S4)	³ Indicato	rs of hydrophytic ve	egetatio	n and we	tland hy	drology must be p	oresent, unless d	sturbed or problematic.
Restrictive L	.ayer (if observed):								
Type:	Rock								
Depth (in	ches):	20	<u> </u>				Hydric Soil Pre	esent?	Yes x No
HYDROLO	GY								
_	Irology Indicators:								
	ators (minimum of o	ne is requir						•	(minimum of two required)
x Surface \	` ,		Salt Crust (,				Water Marks (B1	,
	ter Table (A2)		Biotic Crus	, ,	(5.40)				ts (B2) (Riverine)
x Saturatio	• •		Aquatic Inv		, ,			Drift Deposits (B3	
	arks (B1) (Nonriveri		Hydrogen S		•			Drainage Patterns	
	t Deposits (B2) (Nor		Oxidized R Presence of			-	, ,	Dry-Season Wate Crayfish Burrows	
	osits (B3) (Nonriver Soil Cracks (B6)	iiie)	Recent Iron			,		•	on Aerial Imagery (C9)
	on Visible on Aerial I	magery (R7				ileu ooii		Shallow Aquitard	
	ained Leaves (B9)	illagery (D7	Other (Exp					FAC-Neutral Test	
Field Observ			Other (EXP	<u> </u>	iomanto)		<u> </u>	710 1104141 100	. (50)
Surface Water		es x	No I	Depth (ii	nches).	1			
Water Table				Depth (ii	· -	0			
Saturation Pr				Depth (ii	′ =	0	Wetland Hvd	rology Present?	Yes X No
(includes cap					/_		,	3,	· · · · · · · · · · · · · · · · · · ·
	corded Data (stream	gauge, mo	nitoring well, aerial	photos,	previous	s inspec	tions), if available	:	
Remarks:									
rtemanto.									
rtomanto.									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	inty: Morrow	County	Sampling Date:	10/19/2022
Applicant/Owner: NextEra Energy			-	State: OR	Sampling Point:	SP-19b
Investigator(s): EI, AF, LE, KP		Section, ⁻	Township, Ra	ange: 1S 27E S21		
Landform (hillside, terrace, etc.): Valley Bottom	լ	Local relief (co	oncave, conv	ex, none): none	Slop	oe (%):2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation \underline{X} , Soil \underline{X} , or Hydrology \underline{X}	significantly d	listurbed? A	Are "Normal (Circumstances" present?	Yes X No	· <u> </u>
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (If needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes N	lo X	Is the	e Sampled A	rea		
Hydric Soil Present? Yes N	lo X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes N	lo <u>X</u>					
Remarks:						
VEGETATION – Use scientific names of ∣	nlants					
VEGETATION — 03c 3cicitatic figures of	Absolute	Dominant	Indicator	Ι		
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1.				Number of Dominant		0 (4)
2. 3.				Are OBL, FACW, or F		0 (A)
4.	· ——			Total Number of Dom Across All Strata:	ilnant Species	2 (B)
		Total Cover		Percent of Dominant	Species That	``
Sapling/Shrub Stratum (Plot size:	_)			Are OBL, FACW, or F	AC: 0	.0% (A/B)
1.						
2. 3.				Prevalence Index we Total % Cover o		iply by:
4.					0 x 1 =	0
5.				FACW species	0 x 2 =	0
	=	=Total Cover			0 x 3 =	0
Herb Stratum (Plot size: 5 feet)	5	No	FACIL	· —		200
Poa bulbosa Thinopyrum ponticum	25	No Yes	FACU UPL	· -		125 325 (B)
Schedonorus arundinaceus	45	Yes	FACU	Prevalence Index		`` ′
4.						
5				Hydrophytic Vegeta		
6.				Dominance Test		
7. 8.				Prevalence Index	≀is ≤3.01 laptations¹ (Provide :	eupporting
o	75	Total Cover			ks or on a separate s	
Woody Vine Stratum (Plot size:				Problematic Hydi	ophytic Vegetation ¹	(Explain)
1.				¹ Indicators of hydric s	•	
2	· ——	Total Cover		be present, unless dis	sturbed or problemat	ilC.
		rotal Covel		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 25 %	Cover of Bioti	c Crust		Present? Yes	No	
Remarks:				ı		

SOIL Sampling Point: SP-19b

	ription: (Describe	to the dept				tor or o	confirm the absen	ce of indicators	.)	
Depth (inches)	Matrix			x Featur		Loc ²	T = 1 de 1 m =		Domeste	
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	LOC	Texture	_	Remarks	
0-12	10YR 4/3	100					silt loam			
	-									
¹ Type: C=Co	ncentration, D=Dep	oletion, RM=I	Reduced Matrix, C	S=Cove	red or Co	oated S	and Grains. ² L	_ocation: PL=Po	re Lining, M=M	atrix.
Hydric Soil I	ndicators: (Applic	able to all L	RRs, unless othe	rwise n	oted.)		Indica	ators for Proble	matic Hydric S	Soils³:
Histosol	(A1)		Sandy Red	lox (S5)			1	cm Muck (A9) (L	.RR C)	
Histic Ep	ipedon (A2)		Stripped M	atrix (S6	5)		2	cm Muck (A10) ((LRR B)	
Black His	stic (A3)		Loamy Mu	cky Mine	eral (F1)		Ir	on-Manganese M	1asses (F12) (L	.RR D)
Hydrogei	n Sulfide (A4)		Loamy Gle	yed Mat	rix (F2)		R	Reduced Vertic (F	18)	
Stratified	Layers (A5) (LRR	C)	Depleted N	/latrix (F	3)		R	Red Parent Materi	al (F21)	
	ck (A9) (LRR D)		Redox Dar					ery Shallow Dark		
Depleted	Below Dark Surface	e (A11)	Depleted D	ark Sur	face (F7))	0	other (Explain in F	Remarks)	
Thick Da	rk Surface (A12)		Redox Dep	ressions	s (F8)					
Sandy M	ucky Mineral (S1)									
Sandy G	leyed Matrix (S4)	³ Indicator	s of hydrophytic v	egetatio	n and we	tland hy	drology must be p	resent, unless dis	sturbed or prob	lematic.
Restrictive L	ayer (if observed)	:								
Type:	Rock									
Depth (in	ches):	12	_				Hydric Soil Pres	sent?	Yes	No X
Remarks:										
HYDROLO	GY									
Wetland Hyd	Irology Indicators									
_	ators (minimum of		ed: check all that a	apply)			Seco	ndary Indicators (minimum of tw	o required)
-	Water (A1)	one is require	Salt Crust					Vater Marks (B1)		o roquirou)
	ter Table (A2)		Biotic Crus	` '				ediment Deposits		e)
Saturatio			Aquatic Inv		es (B13)			rift Deposits (B3)		٠,
	arks (B1) (Nonrive i	rine)	Hydrogen					rainage Patterns	•	
	t Deposits (B2) (No		Oxidized R		, ,			ry-Season Water	` '	
	osits (B3) (Nonrive		Presence of			-	` '	rayfish Burrows (
	Soil Cracks (B6)		Recent Iro		-			saturation Visible	· ,	erv (C9)
	on Visible on Aerial	Imagery (B7)						hallow Aquitard (_	o., (00)
	ained Leaves (B9)		Other (Exp					AC-Neutral Test	•	
Field Observ	. ,				,				()	
Surface Water		es	No x	Denth (ii	nches):					
Water Table		es es			nches): _					
Saturation Pr		es es			nches): _		Wetland Hydr	ology Present?	Yes	No_X
(includes cap		~~ <u> </u>	<u> </u>	Pobui (II	.51103)		Trought Hydro	0.0gj i 1636iit:		<u> </u>
	corded Data (strean	n dauge mor	nitoring well aeria	photos	previous	s inspec	tions) if available			
20001001100	aca bata (streat	. gaago, moi		, ρ. ιστο σ ,	P. 0 11000	opcc	,, ii avallabie.			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Date:	10/19/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-19c
Investigator(s): EI, AF, LE		Section,	ownship, Ra	ange: 1S 27E S28		
Landform (hillside, terrace, etc.): Valley Bottom	L	ocal relief (co	oncave, conv	rex, none): Concave	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>)		Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	ication: Riverine	
Are climatic / hydrologic conditions on the site typical	I for this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation X , Soil X , or Hydrology X	_significantly d	isturbed? A	re "Normal (Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrology	_naturally prob	lematic? (f needed, ex	xplain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site	map showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No		n a Wetland		No	
Wetland Hydrology Present? Yes X	No					
Remarks:						
Wetland has been heavily grazed by cattle						
l VEGETATION – Use scientific names of	nlante					
VEGETATION - 636 Scientific finances of	Absolute	Dominant	Indicator	1		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1. 2.				Number of Dominant S Are OBL, FACW, or F		1 (A)
3.				Total Number of Domi		<u> </u>
4.				Across All Strata:	пан орсою	2 (B)
		Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size:	_)			Are OBL, FACW, or F	AC: 50	0.0% (A/B)
1. 2.				Prevalence Index wo	rkshoot:	
3.				Total % Cover of		ply by:
4.				OBL species 1	0 x 1 =	10
5				· · · —		20
Hank Christian (Diet sine) 5 foot	=	Total Cover		FAC species 3		90
Herb Stratum (Plot size: 5 feet) 1. Nasturtium officinale	30	Yes	FAC	FACU species 4 UPL species 0		0
2. Lemna minor	10	No	OBL	Column Totals: 9		280 (B)
3. Schedonorus arundinaceus	40	Yes	FACU	Prevalence Index		
4. Polypogon monspeliensis	10	No	FACW			
5. Agrostis sp	10	No		Hydrophytic Vegetat		
6 7.				Dominance Test in Prevalence Index		
8.					aptations ¹ (Provide s	supporting
	100 =	Total Cover			s or on a separate	
Woody Vine Stratum (Plot size:	_)			Problematic Hydro	ophytic Vegetation ¹	(Explain)
1. 2.				¹ Indicators of hydric so be present, unless dis		
		Total Cover		Hydrophytic	La. 200 of problema	
				Vegetation		
% Bare Ground in Herb Stratum	6 Cover of Bioti	c Crust	<u> </u>		XNo	
Remarks:						

SOIL Sampling Point: SP-19c

Profile Desc Depth	ription: (Describe Matrix	to the dep		ı ment tl k Featur		tor or o	onfirm the absence	of indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0-18	10YR 2/1	75	10YR 5/8	25	C	M	silty sand	· -	
<u> </u>	101112/1		101110/0		<u> </u>	141	,		
								-	
			_						
	·		_						
	oncentration, D=Dep					oated S			e Lining, M=Matrix.
-	ndicators: (Applica	ble to all L			oted.)				natic Hydric Soils ³ :
Histosol	` '		Sandy Red		• •			n Muck (A9) (LF	
	ipedon (A2)		Stripped M	•	•			n Muck (A10) (L	
Black His	stic (A3) n Sulfide (A4)		Loamy Mu	•	, ,			_	asses (F12) (LRR D)
	Layers (A5) (LRR C	:)	Loamy Gle Depleted N	-				uced Vertic (F1 Parent Materia	
	ck (A9) (LRR D)	·)	x Redox Dar		•			/ Shallow Dark	` '
	Below Dark Surface	e (A11)	Depleted D		` '			er (Explain in Re	
	rk Surface (A12)	, (, , , ,	Redox Dep		, ,			o. (=/p/a	
	ucky Mineral (S1)				- ()				
	leyed Matrix (S4)	³ Indicato	ors of hydrophytic v	egetatio	n and we	tland hy	drology must be pres	ent, unless dist	urbed or problematic.
Restrictive L	.ayer (if observed):								
Type:	Rock								
Depth (in	iches):	18					Hydric Soil Preser	nt?	Yes x No
HYDROLO	GY								
_	Irology Indicators:								
	ators (minimum of o	ne is requii							ninimum of two required)
x Surface \	water (A1) ter Table (A2)		Salt Crust Biotic Crus	` '				er Marks (B1) (I	(B2) (Riverine)
x Saturatio			Aquatic Inv		oc (B13)			: Deposits (B3)	
	arks (B1) (Nonriveri	ne)	Hydrogen 3		, ,			nage Patterns (
	t Deposits (B2) (Nor		Oxidized R		•			Season Water	•
	osits (B3) (Nonriver		Presence of			-	· · · — ·	yfish Burrows (C	
	Soil Cracks (B6)	,	Recent Iron	n Reduc	tion in Ti	lled Soil	s (C6) Sati	, uration Visible o	n Aerial Imagery (C9)
x Inundation	on Visible on Aerial I	magery (B7	7) Thin Muck	Surface	(C7)		Sha	llow Aquitard (D	03)
Water-St	ained Leaves (B9)		Other (Exp	lain in R	lemarks)		FAC	C-Neutral Test (I	D5)
Field Observ	/ations:								
Surface Water	er Present? Ye	s X	No	Depth (i	nches):	1			
Water Table				Depth (i	′ =	0			
Saturation Pr		s X	No	Depth (i	nches): _	0	Wetland Hydrolo	ogy Present?	Yes X No
(includes cap									
Describe Red	corded Data (stream	gauge, mo	onitoring well, aerial	pnotos	previous	s inspec	นons), เร available:		
Remarks:									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow	County	Sampling Date:	10/19/2022
Applicant/Owner: NextEra Energy	_		State: OR	Sampling Point:	SP-19d
Investigator(s): EI, AF, LE, KP	Se	ection, Township, Ra	inge: 1S 27E S28		
Landform (hillside, terrace, etc.): Valley Bottom	Local ı	relief (concave, conv	ex, none): <u>none</u>	Slope	e (%): <u>2</u>
Subregion (LRR): LRR B Lat: 45.5151	99	Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam			NWI classit	fication:	
Are climatic / hydrologic conditions on the site typi	cal for this time of year?		No (If no, exp		
Are Vegetation X, Soil X, or Hydrology			Circumstances" present?		
Are Vegetation, Soil, or Hydrology			plain any answers in Re	,	
SUMMARY OF FINDINGS – Attach site	map showing sa	mpling point lo	cations, transects,	important featu	res, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the Sampled A	rea		
Hydric Soil Present? Yes	No X	within a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No X				
Remarks:					
VEGETATION – Use scientific names	of plants.				
Tree Stratum (Plot size:)		ninant Indicator cies? Status	Dominance Test wo	rksheet:	
1.	<u> </u>	Old Claud	Number of Dominant		
2.			Are OBL, FACW, or F		0 (A)
3.			Total Number of Dom	•	0 (D)
4.	=Total	Cover	Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size:		00101	Percent of Dominant : Are OBL, FACW, or F	•	0% (A/B)
1.					
2.			Prevalence Index wo		
3.			Total % Cover of OBL species		oly by: 0
5.			· —		0
	=Total	Cover		0 x 3 =	0
Herb Stratum (Plot size: 5 feet)					80
Hordeum murinum Thinopyrum ponticum		es FACU No UPL			50 30 (B)
3.		<u> </u>	Prevalence Index	` '	<u>,,, </u>
4. Bromus tectorum	25 Y	es UPL			
5.			Hydrophytic Vegetat		
6			Dominance Test		
8.				aptations ¹ (Provide s	upporting
	100 =Total	Cover		s or on a separate s	
Woody Vine Stratum (Plot size:)		Problematic Hydr	ophytic Vegetation ¹ (Explain)
1 2.			¹ Indicators of hydric s be present, unless dis		
	=Total	Cover	Hydrophytic	narboa or problemati	<u>. </u>
			Vegetation		
% Bare Ground in Herb Stratum	% Cover of Biotic Crus	st	Present? Yes	No	•
Remarks:					

SOIL Sampling Point: SP-19d

	•	to the dept				itor or o	confirm the absence	e of indicators	.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	Type ¹	Loc ²	Texture		Remarks	
0-18	10YR 4/1	100	Color (IIIOISI)	/0	Type	LUC	fine sandy loam	_	I CHIAINS	—
0-10	10114 4/1	100					- Into darray loans			—
								_		
							•			
								_		
								_		
1Type: C=C	noontration D-Don	olotion DM-	Paduaad Matrix C		rod or C	ootod S	and Crains ² L a	- DI -Do	ro Lining M-Motriy	
	ncentration, D=Dep					oateu 3			re Lining, M=Matrix. matic Hydric Soils ³ :	
Histosol		able to all E	Sandy Red		otou.,			m Muck (A9) (L	•	
	ipedon (A2)		Stripped M		3)			m Muck (A3) (2 m Muck (A10) (
Black His			Loamy Mu	,	,				lasses (F12) (LRR D)	
	n Sulfide (A4)		Loamy Gle	-				duced Vertic (F		
	Layers (A5) (LRR (C)	Depleted N	•	, ,			d Parent Materi	•	
	ck (A9) (LRR D)	-,	Redox Dar					ry Shallow Dark		
	Below Dark Surfac	e (A11)	Depleted D			,		ner (Explain in F	, ,	
	rk Surface (A12)	(, , , , ,	Redox Dep					.e. (<u>=</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	ucky Mineral (S1)			- ()						
	leyed Matrix (S4)	³ Indicator	rs of hydrophytic v	egetatio	n and we	tland hy	drology must be pre	sent, unless dis	turbed or problematic.	
Restrictive L	.ayer (if observed)								<u> </u>	
Type:	Rock									
Depth (in		18					Hydric Soil Prese	ent?	Yes No	Х
Remarks:										_
rtomanto.										
HYDROLO	GY									
Wetland Hyd	Irology Indicators:									
-	ators (minimum of		ed; check all that a	apply)			Second	dary Indicators (minimum of two requir	red)
Surface \	Nater (A1)		Salt Crust	(B11)			Wa	ater Marks (B1)	(Riverine)	
High Wa	ter Table (A2)		Biotic Crus	t (B12)			Sec	diment Deposits	s (B2) (Riverine)	
Saturatio	n (A3)		Aquatic Inv	ertebrat	es (B13)		Dri	ft Deposits (B3)	(Riverine)	
Water Ma	arks (B1) (Nonriver	ine)	Hydrogen	Sulfide C	Odor (C1))	Dra	ainage Patterns	(B10)	
Sedimen	t Deposits (B2) (No	nriverine)	Oxidized R	hizosph	eres on l	_iving R	oots (C3) Dry	/-Season Water	Table (C2)	
Drift Dep	osits (B3) (Nonrive	rine)	Presence	of Reduc	ed Iron ((C4)	Cra	ayfish Burrows (C8)	
Surface S	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soil	ls (C6) Sat	turation Visible	on Aerial Imagery (C9))
Inundatio	n Visible on Aerial	Imagery (B7)Thin Muck	Surface	(C7)		Sha	allow Aquitard (D3)	
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		FA	C-Neutral Test	(D5)	
Field Observ	vations:									
Surface Water	er Present? Ye	es			nches): _					
Water Table	Present? Ye	es			nches):					
Saturation Pr	esent? Ye	es	No <u>x</u>	Depth (ii	nches):		Wetland Hydrol	logy Present?	Yes No	X
(includes cap										
Describe Red	corded Data (stream	n gauge, moi	nitoring well, aeria	photos,	previous	s inspec	ctions), if available:			
Remarks										
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Date:	10/23/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-20a
Investigator(s): EI, EG, AF, LE		Section,	Γownship, Ra	inge: 1N 26E S32		
Landform (hillside, terrace, etc.):	l	Local relief (co	oncave, conv	ex, none): Concave	Slop	e (%): 2
Subregion (LRR): LRR B Lat: 45.515199			Long: -	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	ication: N/A	
Are climatic / hydrologic conditions on the site typical for	this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation $\underline{\hspace{1cm}X\hspace{1cm}}$, Soil $\underline{\hspace{1cm}X\hspace{1cm}}$, or Hydrology $\underline{\hspace{1cm}X\hspace{1cm}}$ s	ignificantly o	listurbed? A	Are "Normal (Circumstances" present?	Yes X No	·
Are Vegetation, Soil, or Hydrologyn	aturally prob	olematic? (If needed, ex	plain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site ma	p showin	g samplin	g point lo	cations, transects,	important feat	ıres, etc.
Hydrophytic Vegetation Present? Yes X No		Is the	Sampled A	rea		
			n a Wetland		No	
Wetland Hydrology Present? Yes X No						
Remarks:						
Wetland has been heavily grazed by cattle						
VEGETATION – Use scientific names of pl	ante					
VEGETATION – Use scientific flames of pr	Absolute	Dominant	Indicator	<u> </u>		
	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1. 2.				Number of Dominant S Are OBL, FACW, or F		2 (A)
3.				Total Number of Domi		(/1)
4.				Across All Strata:		2 (B)
	=	=Total Cover		Percent of Dominant S	•	
Sapling/Shrub Stratum (Plot size:)				Are OBL, FACW, or F	AC: 100	0.0% (A/B)
1 2.				Prevalence Index wo	rkshoot:	
3.				Total % Cover of		ply by:
4.				OBL species 2	5 x 1 =	25
5				FACW species 0		0
Herb Stratum (Plot size: 5 feet)	=	=Total Cover		FAC species C		0
Herb Stratum (Plot size: 5 feet) 1.				FACU species 0		0
Nasturtium officinale	20	Yes	OBL	Column Totals: 2		25 (B)
3. Polypogon monspeliensis	5	Yes	OBL	Prevalence Index	= B/A = 1.00	
4						
5. 6.				Hydrophytic Vegetati X Dominance Test is		
7.				X Prevalence Index		
8.				Morphological Ada	aptations ¹ (Provide s	
	25	Total Cover			s or on a separate s	,
Woody Vine Stratum (Plot size:)					ophytic Vegetation ¹	
1. 2.				¹ Indicators of hydric so be present, unless dis		
		Total Cover		Hydrophytic	,	
	_ 			Vegetation		
	over of Bioti	c Crust	_	Present? Yes	X No	_
Remarks:						

SOIL Sampling Point: SP-20a

	ription: (Describe	to the dept				itor or c	confirm the absenc	e of indicators.	.)	
Depth	Matrix			x Featur		. 2	- .			
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	_	Remarks	
0-14	10YR 2/1	100					silt loam			
			-					_		
								_		
								_		
¹ Type: C=Co	oncentration, D=Dep	oletion. RM=	Reduced Matrix. C	S=Cove	red or Co	oated S	and Grains. ² Lo	ocation: PL=Por	re Linina. M=Ma	atrix.
	ndicators: (Applica							tors for Probler		
Histosol	`		Sandy Red		,			cm Muck (A9) (L	-	
	ipedon (A2)		Stripped M		3)			cm Muck (A10) (
Black His			Loamy Mu	•	•			n-Manganese M		RR D)
	n Sulfide (A4)		Loamy Gle	-				educed Vertic (F		
	Layers (A5) (LRR (C)	Depleted N					ed Parent Materia	*	
	ck (A9) (LRR D)	٠,	x Redox Dar	•	•			ry Shallow Dark		
	Below Dark Surfac	ρ (Δ11)	Depleted [her (Explain in R		
	rk Surface (A12)	· (A11)	Redox Dep				0	noi (⊏∧piaiii iii R	comarks)	
	ucky Mineral (S1)		Nedox Del	016221011	5 (1-0)					
	leyed Matrix (S4)	3Indicator	e of hydrophytic y	ogotatio	n and wo	tland by	drology must be pre	scont unloss dis	turbod or probl	omatic
			3 of flydropfrytic v	egetatio	i aliu we	tiand my	raiology must be pre	esent, unless dis	starbed or probl	emano.
	.ayer (if observed)	:								
Type:	rock		<u>—</u>						., .,	
Depth (in	iches):	14					Hydric Soil Prese	ent?	Yes X	No
HYDROLO	GY									
Wetland Hyd	drology Indicators:									
Primary Indic	ators (minimum of	one is requir	ed; check all that a	apply)			Second	dary Indicators (minimum of tw	o required)
_x_Surface	Water (A1)		Salt Crust	(B11)			Wa	ater Marks (B1)	(Riverine)	
x High Wa	ter Table (A2)		Biotic Crus	st (B12)			Se	diment Deposits	s (B2) (Riverine	e)
x Saturation	n (A3)		Aquatic Inv	/ertebrat	es (B13)		Dri	ift Deposits (B3)	(Riverine)	
Water M	arks (B1) (Nonriver	ine)	x Hydrogen	Sulfide C	Odor (C1))	Dra	ainage Patterns	(B10)	
Sedimen	t Deposits (B2) (No	nriverine)	Oxidized F	hizosph	eres on L	_iving R	oots (C3) Dr	y-Season Water	Table (C2)	
Drift Dep	osits (B3) (Nonrive	rine)	Presence	of Reduc	ed Iron ((C4)	Cra	ayfish Burrows (C8)	
Surface	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soil	s (C6)Sa	turation Visible	on Aerial Image	ery (C9)
x Inundation	on Visible on Aerial	lmagery (B7	Thin Muck	Surface	(C7)		Sh	allow Aquitard (I	D3)	
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		X FA	C-Neutral Test ((D5)	
Field Observ	/ations:						<u> </u>			
Surface Water	er Present? Ye	es x	No	Depth (ii	nches):	1				
Water Table	Present? Ye	es x			nches):	0				
Saturation Pr		es x			nches):	0	Wetland Hydro	logy Present?	Yes X	No
(includes cap					′ -					
	corded Data (stream	n gauge, mo	nitoring well, aeria	l photos,	previous	s inspec	tions), if available:			
Remarks: 2in surface w	rater, 100% saturati	on								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	County	Sampling Date:	10/23/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-20b
Investigator(s): EI, AF, EG, LE		Section,	Township, Ra	ange: 1N 26 E S32		
Landform (hillside, terrace, etc.): Valley Bottom	l	_ocal relief (co	oncave, conv	rex, none): none	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.515199</u>			Long:	119.309242	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical	for this time of			No (If no, ex		
Are Vegetation X, Soil X, or Hydrology X	_			Circumstances" present?		·
Are Vegetation, Soil, or Hydrology				plain any answers in Re	,	
SUMMARY OF FINDINGS – Attach site n	nap showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X	withi	n a Wetland	? Yes	No X	
	No <u>X</u>					
Remarks:						
VEGETATION – Use scientific names of	plants.					
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:	
1.	70 OOVCI	Орсскоз:	Otatus	Number of Dominant		
2.				Are OBL, FACW, or F		0 (A)
3.				Total Number of Dom	inant Species	4 (D)
4.		Total Cover		Across All Strata: Percent of Dominant	Species That	1 (B)
Sapling/Shrub Stratum (Plot size:		. 514. 5575.		Are OBL, FACW, or F	•	.0% (A/B)
1.	<u> </u>					
2.				Prevalence Index we		San Inc. Inc. or
3				Total % Cover o OBL species	0 x 1 =	ply by: 0
5.	_			· -	0 x 2 =	0
	·	Total Cover		FAC species	0 x 3 =	0
Herb Stratum (Plot size: 5 feet)	00		LIDI		0 x 4 =	0
Thinopyrum ponticum Amsinckia	<u>60</u> 5	Yes No	UPL	·		325 325 (B)
3. Bromus tectorum	5	No	UPL	Prevalence Index		
4.						
5				Hydrophytic Vegeta		
6				Dominance Test Prevalence Index		
8.					laptations ¹ (Provide :	supporting
	70 =	Total Cover			ks or on a separate	
Woody Vine Stratum (Plot size:	_)				ophytic Vegetation ¹	
1. 2.				¹ Indicators of hydric s be present, unless dis		
		Total Cover		Hydrophytic	starbed of problema	
				Vegetation		
	Cover of Bioti	c Crust		Present? Yes	No	_
Remarks:						

SOIL Sampling Point: SP-20b

	iption: (Describe t	o the depth				ator or c	onfirm the abser	ice of indicators	i.)
Depth (inches)	Matrix	%		x Featur		Loc ²	Toytura		Domarka
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc	Texture		Remarks
0-16	10YR 3/3	100					silt loam		
							'		
							-		
							_		
17		- #: DM - F	De de ce d'Aletrice C			41 0	2	Lasations DL Day	us I india a NA NA-taka
	ncentration, D=Depl					oated Sa			re Lining, M=Matrix.
	ndicators: (Applica	DIE 10 AII LI	•		•				matic Hydric Soils ³ :
Histosol (pedon (A2)		Sandy Red Stripped M					cm Muck (A9) (L cm Muck (A10) (
				`	,				Masses (F12) (LRR D)
Black His	Sulfide (A4)		Loamy Mu Loamy Gle	-				Reduced Vertic (F	, , , ,
	Layers (A5) (LRR C	١	Depleted N	-				Reduced Vertic (F Red Parent Materi	,
	ck (A9) (LRR D)	,	Redox Dar					ery Shallow Dark	
	Below Dark Surface	(A11)	Depleted D			١		Other (Explain in F	
·	k Surface (A12)	('''')	Redox Dep			•	—	zor (Explain III I	.samoj
	ucky Mineral (S1)		rtodox Bop	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	o (i o)				
	eyed Matrix (S4)	3Indicators	s of hydrophytic v	egetatio	n and we	etland hy	drology must be p	resent, unless dis	sturbed or problematic.
	ayer (if observed):					Í		<u> </u>	<u> </u>
Type:	Rock								
Depth (inc		16	_				Hydric Soil Pre	sent?	Yes No _X
Remarks:	,		_				,		
ixemaiks.									
HYDROLO	GY								
Wetland Hvd	rology Indicators:								
_	ators (minimum of o	ne is require	ed: check all that a	(vlage			Seco	ndary Indicators ((minimum of two required)
	Vater (A1)		Salt Crust					Vater Marks (B1)	
	er Table (A2)		Biotic Crus	` ,				, ,	s (B2) (Riverine)
Saturation			Aquatic Inv		tes (B13))) Drift Deposits (B3)	
	rks (B1) (Nonriveri	ne)	Hydrogen :		, ,			Drainage Patterns	•
Sediment	Deposits (B2) (Nor	riverine)	Oxidized R	hizosph	eres on L	Living R	oots (C3)	Dry-Season Water	r Table (C2)
Drift Depo	osits (B3) (Nonriver	ine)	Presence of	of Reduc	ced Iron ((C4)	<u> </u>	Crayfish Burrows ((C8)
Surface S	Soil Cracks (B6)		Recent Iron	n Reduc	tion in Ti	lled Soil	s (C6)S	Saturation Visible	on Aerial Imagery (C9)
Inundation	n Visible on Aerial Ir	nagery (B7)	Thin Muck	Surface	(C7)		S	Shallow Aquitard ((D3)
Water-Sta	ained Leaves (B9)		Other (Exp	lain in F	Remarks)		F	AC-Neutral Test	(D5)
Field Observ	ations:								
Surface Wate	r Present? Ye	s	No x	Depth (i	nches):				
Water Table F	Present? Ye	s	No x	Depth (i	nches):				
Saturation Pre	esent? Ye	s	No x	Depth (i	nches): _		Wetland Hydi	ology Present?	Yes No _X
(includes capi	llary fringe)								
Describe Rec	orded Data (stream	gauge, mon	nitoring well, aerial	photos	, previous	s inspec	tions), if available:		
Pomarko:									
Remarks:									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	ınty: Morrow	I	Sampling Date:	11/16/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-02e
Investigator(s): Jessica Taylor		Section,	Township, Ra	ange: T1N R28E S33		
Landform (hillside, terrace, etc.): Hilltop		_ocal relief (co	oncave, conv	/ex, none): <u>concave</u>	Slop	e (%):1
Subregion (LRR): <u>LRR B</u> Lat: <u>45.479364</u>	.°		Long: <u>-</u>	119.398478°	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classifi	ication: None	
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly o	listurbed? A	Are "Normal (Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrology	_naturally prob	olematic? (If needed, ex	xplain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site m	nap showin	g samplin	g point lo	cations, transects,	important featu	ures, etc.
Hydrophytic Vegetation Present? Yes 10 I	No	Is the	e Sampled A	Area		
	No X	withi	n a Wetland	!? Yes	No <u>X</u>	
Wetland Hydrology Present? Yes	No <u>X</u>					
Remarks: Wetland Plot						
Welland Plot						
VEGETATION – Use scientific names of	plants.					
	Absolute	Dominant	Indicator	I		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1. 2.				Number of Dominant S Are OBL, FACW, or FA	•	3 (A)
3.	_			Total Number of Domi		<u>3</u> (A)
4.				Across All Strata:	•	4 (B)
	·:	Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size: 5	_)	V	EA OVA	Are OBL, FACW, or F	AC: <u>75</u>	5.0% (A/B)
Salix exigua 2.	20	Yes	FACW	Prevalence Index wo	rkshoot:	
3.				Total % Cover of:		ply by:
4.				OBL species 0	x 1 =	0
5				FACW species 20		40
Llorb Stratum (Diet size: E	20 =	=Total Cover		FAC species 60 FACU species 0		080
Herb Stratum (Plot size: 5) 1. Urtica dioica	30	Yes	FAC	FACU species 0 UPL species 30		50
Dipsacus fullonum	30	Yes	FAC	Column Totals: 11		370 (B)
3. Onopordum acanthium	30	Yes	UPL	Prevalence Index :	= B/A = 3.36	
4.						
5.				Hydrophytic Vegetati X Dominance Test is		
6. 7.				Prevalence Index		
8.					aptations ¹ (Provide s	supporting
	90	Total Cover			s or on a separate s	•
Woody Vine Stratum (Plot size:	_)				ophytic Vegetation ¹	
1. 2.				¹ Indicators of hydric so		
Z	:	Total Cover		be present, unless dist	urbed or problemat	IC.
				Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 20 %	Cover of Bioti	c Crust 0		Present? Yes	10 No	_
Remarks:				•		

SOIL Sampling Point: SP-02e

Profile Desc Depth	ription: (Describe t Matrix	to the depth		ment th k Featur		ator or o	confirm the abs	ence of indicator	s.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0-16	10YR 3/1	100	Color (molor)		.) 0		Silt Loam	1	. tomanto
	10117.3/1	100							
							•		
1 0 0							10.	21 (1 D) D	
	oncentration, D=Depl Indicators: (Applica					oated S			ore Lining, M=Matrix. ematic Hydric Soils³:
Histosol		510 to all 21	Sandy Rec		otou.,			1 cm Muck (A9) (-
	pipedon (A2)		Stripped M		3)			2 cm Muck (A10)	
Black His			Loamy Mu				-	-	Masses (F12) (LRR D)
	n Sulfide (A4)			-				_	
	ii Suilide (A4) I Layers (A5) (LRR C	`	Loamy Gle	-				Reduced Vertic (Red Parent Mate	
	. , ,)	Depleted N					_	, ,
	ck (A9) (LRR D)	(444)	Redox Dar		, ,			Very Shallow Da	
	Below Dark Surface	(A11)	Depleted D)		Other (Explain in	Remarks)
	rk Surface (A12)		Redox Dep	ressions	s (F8)				
	lucky Mineral (S1)	31		4 . 4'		41 I I			!
	leyed Matrix (S4)	indicators	s or nyaropnytic v	egetation	n and we	eliand ny	drology must be	present, uniess d	isturbed or problematic.
	_ayer (if observed):								
Type:			_						
Depth (in	nches):		_				Hydric Soil P	resent?	Yes No_X
HYDROLO									
_	drology Indicators:								
	cators (minimum of o	ne is require					<u>Sec</u>	•	(minimum of two required)
	Water (A1)		Salt Crust	,				Water Marks (B1	, ,
·	ter Table (A2)		Biotic Crus	, ,	(5.40)			-	ts (B2) (Riverine)
Saturatio	, ,		Aquatic Inv		, ,			Drift Deposits (B3	
	arks (B1) (Nonriveri		Hydrogen		•	•		Drainage Pattern	
	t Deposits (B2) (Non		Oxidized R			_	oots (C3)	Dry-Season Wate	
	osits (B3) (Nonriver	ine)	Presence of			` '		Crayfish Burrows	` '
	Soil Cracks (B6)		Recent Iron			lilea Soli	s (C6)	-	e on Aerial Imagery (C9)
	on Visible on Aerial Ir	nagery (B7)					-	Shallow Aquitard	` '
Water-St	tained Leaves (B9)		Other (Exp	laın ın R	emarks)			FAC-Neutral Tes	t (D5)
Field Observ									
Surface Water	er Present? Ye			Depth (ii	· -	0			
Surface Water Water Table	er Present? Ye Present? Ye	s	No X	Depth (ii	nches):	0			
Surface Wate Water Table Saturation Pr	er Present? Ye Present? Ye resent? Ye	s	No X		nches):		Wetland Hy	drology Present?	Yes No_X
Surface Wate Water Table Saturation Pr (includes cap	er Present? Ye Present? Ye resent? Ye oillary fringe)	s X	No X No	Depth (ii Depth (ii	nches): nches):	0	_		YesNo_X
Surface Wate Water Table Saturation Pr (includes cap	er Present? Ye Present? Ye resent? Ye	s X	No X No	Depth (ii Depth (ii	nches): nches):	0	_		Yes No_X
Surface Wate Water Table Saturation Pr (includes cap	er Present? Ye Present? Ye resent? Ye oillary fringe)	s X	No X No	Depth (ii Depth (ii	nches): nches):	0	_		Yes No_X
Surface Water Water Table Saturation Pr (includes cap Describe Rec	er Present? Ye Present? Ye resent? Ye oillary fringe)	s X	No X No	Depth (ii Depth (ii	nches): nches):	0	_		Yes No_X
Surface Water Water Table Saturation Pr (includes cap Describe Rec	er Present? Ye Present? Ye resent? Ye oillary fringe)	s X	No X No	Depth (ii Depth (ii	nches): nches):	0	_		YesNo_X

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cour	nty: Morrow		Sampling Date:	11/16/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-02f
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	nge: T1N R28E S33		
Landform (hillside, terrace, etc.): Hilltop	Lc	ocal relief (co	ncave, conve	ex, none): concave	Slo	pe (%): <u>1</u>
Subregion (LRR): LRR B Lat: _45.47936	4°		Long:1	19.398478°	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classific	cation: None	' <u>-</u>
Are climatic / hydrologic conditions on the site typica	Il for this time of y	year?	Yes X	No (If no, expl	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly dis			ircumstances" present?	Yes X N	.0
Are Vegetation, Soil, or Hydrology			f needed, exp	olain any answers in Rem	narks.)	·
SUMMARY OF FINDINGS – Attach site			g point loc	ations, transects, i	mportant feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X		n a Wetland?		No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
Upland Plot						
VEGETATION – Use scientific names of	 f plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test work		
1. 2.				Number of Dominant S Are OBL, FACW, or FA	•	1 (A)
3.				Total Number of Domin		(/ (/
4.				Across All Strata:	ан орсою	3 (B)
_	=1	Total Cover		Percent of Dominant S	•	
Sapling/Shrub Stratum (Plot size:	_)			Are OBL, FACW, or FA	4C: <u>3</u>	3.3% (A/B)
1.				Dravalance Index was	wka la a a tu	
2. 3.				Prevalence Index wor Total % Cover of:		tiply by:
4.				OBL species 0		0
5.	;			FACW species 0	x 2 =	0
	=	Total Cover		FAC species 30) x 3 =	90
Herb Stratum (Plot size: 5)	00	.,	LIDI	FACU species 0		0
Bromus tectorum Dipsacus fullonum	30 30	Yes Yes	UPL FAC	UPL species 90 Column Totals: 120		450 540 (B)
Taeniatherum caput-medusae	10	No	UPL	Prevalence Index =		
4. Onopordum acanthium	50	Yes	UPL			
5.	:			Hydrophytic Vegetation	on Indicators:	
6.				Dominance Test is	; >50%	
7				Prevalence Index i		
8		Total Cover		Morphological Ada	iptations (Provide s or on a separate	
Woody Vine Stratum (Plot size:		Total Cover		Problematic Hydro	•	
1				¹ Indicators of hydric so		,
2.				be present, unless dist		
	=1	Total Cover		Hydrophytic		
W.B. 0 11 11 12 1	V 0 1=: ::	0		Vegetation		
	% Cover of Biotic	Crust 0		Present? Yes_	No_X	_
Remarks:						

SOIL Sampling Point: SP-02f

Profile Desc Depth	ription: (Describe to Matrix	to the dept		ıment th x Featur		ator or o	confirm the a	absence of in	dicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	ıre	Remarks	
0-16	10YR 3/3	100	Color (molor)		1960		Silt Loa		Homano	
0-10	10113/3	100					Ont Loa			
¹ Type: C=Cc	oncentration, D=Depl	etion RM=	Reduced Matrix C	S=Cove	ered or Co	2 bateo	and Grains	² l ocation	: PL=Pore Lining, M	=Matriy
	ndicators: (Applica					oaled 5			r Problematic Hydri	
Histosol		to u =	Sandy Red		otou.,				ck (A9) (LRR C)	0 00110 1
	ipedon (A2)		Stripped M		3)		•		ck (A10) (LRR B)	
Black His			Loamy Mu	`	,		•		ganese Masses (F12	(I RR D)
	n Sulfide (A4)		Loamy Gle	-			•		Vertic (F18)	(LIKIT D)
	Layers (A5) (LRR C	:)	Depleted N	-			•		ent Material (F21)	
	ck (A9) (LRR D)	,	Redox Dar		•		•		llow Dark Surface (F	22)
	Below Dark Surface	(Δ11)	Depleted D		` '	,	•		rplain in Remarks)	,
	rk Surface (A12)	, (, , , , ,	Redox Dep			•	•		piam in reomane)	
	ucky Mineral (S1)				J (1 J)					
	leyed Matrix (S4)	3Indicato	rs of hydrophytic y	egetatio	n and we	tland hy	vdrology mus	t be present i	unless disturbed or pr	oblematic
	ayer (if observed):		, , ,				, 3,	,	<u> </u>	
Type:	.ayer (ii observed).									
Depth (in	rchoe).						Hydric Sci	il Present?	Yes	No X
Remarks:							Tiyane oo			<u></u>
										_
HYDROLO	GY									
_	drology Indicators:									
	ators (minimum of o	ne is requir							dicators (minimum of	two required)
	Water (A1)		Salt Crust	` '					arks (B1) (Riverine)	
	ter Table (A2)		Biotic Crus		(5.40)				Deposits (B2) (Rive	rine)
Saturatio	` '		Aquatic Inv		, ,				osits (B3) (Riverine)	
	arks (B1) (Nonriveri		Hydrogen		•	•	(00)		Patterns (B10)	
	t Deposits (B2) (Nor		Oxidized R			_	100ts (C3)		on Water Table (C2)	
	osits (B3) (Nonriver	ine)	Presence of			` '	lo (CG)		Burrows (C8)	ogom/ (CO)
	Soil Cracks (B6) on Visible on Aerial Ir	magan, /D7	Recent Iro			ilea Soi	is (C6)		n Visible on Aerial Im	agery (C9)
	ained Leaves (B9)	nagery (b7							Aquitard (D3) tral Test (D5)	
	` '		Other (Exp	iain in R	emarks)		1	FAC-Neu	trai Test (D5)	
Field Observ		_	NI- V	D 41- /:-		0				
Surface Wate				Depth (i	′ =	0				
Water Table				Depth (i	′ =	0	Modlend	Herdundani - D	12 V	No. V
Saturation Pr			No <u>X</u>	Depth (i	nches)	0	vveuanu	Hydrology P	resent? Yes	NoX
(includes cap		801180 mo	nitaring wall caria	nhotoo	provious	n inanaa	ations) if avai	labla		
Describe Red	corded Data (stream	gauge, mo	ilitoring well, aerla	priotos,	previous	s mspec	Juoris), ii avai	iable.		
Remarks:										
Ī										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cour	nty: Morrow		Sampling Date:	11/16/22
Applicant/Owner: NextEra Energy			-	State: OR	Sampling Point:	SP-02g
Investigator(s): Jessica Taylor		_Section, T	ownship, Ra	inge: T1N R28E S33		
Landform (hillside, terrace, etc.): Hilltop	Lo	cal relief (co	ncave, conv	ex, none): <u>concave</u>	Slop	e (%):1_
Subregion (LRR): <u>LRR B</u> Lat: <u>45.479364</u>	0		Long: -	119.398478°	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam				NWI classif	ication: None	
Are climatic / hydrologic conditions on the site typical	for this time of y	ear?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly dis	turbed? A	re "Normal 0	Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrology	naturally proble	matic? (I	f needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site m	ap showing	sampling	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes 10 N	No	Is the	Sampled A	rea		
	No X	withir	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes N	No <u>X</u>					
Remarks:						
Wetland Plot						
VEGETATION – Use scientific names of	plants.					
		Dominant	Indicator			
Tree Stratum (Plot size:) 1.	% Cover	Species?	Status	Dominance Test wor		
2.				Number of Dominant S Are OBL, FACW, or F		2 (A)
3.				Total Number of Domi	nant Species	
4				Across All Strata:		3 (B)
Sapling/Shrub Stratum (Plot size:		otal Cover		Percent of Dominant S	•	5.7% (A/B)
Sapling/Shrub Stratum (Plot size:1.	_'			Are OBL, FACW, or F	AC	6.7% (A/B)
2.	· ——			Prevalence Index wo	rksheet:	
3.				Total % Cover of	: Multi	ply by:
4.				OBL species 5		50
5		otal Cover		FACW species 0 FAC species 3		<u>0</u> 90
Herb Stratum (Plot size: 5)		otal Cover		·		0
1. Typha latifolia	50	Yes	OBL	UPL species 2	0 x 5 = 1	00
2. Dipsacus fullonum	30	Yes	FAC	Column Totals: 10	00 (A) 2	240 (B)
3. Onopordum acanthium	20	Yes	UPL	Prevalence Index	= B/A =2.40	
4 5.				Hydrophytic Vegetat	ion Indicators:	
5. 6.				X Dominance Test i		
7.				Prevalence Index		
8.					aptations ¹ (Provide s	
		otal Cover			s or on a separate s	,
Woody Vine Stratum (Plot size:	_)				ophytic Vegetation ¹	` ' '
1. 2.				¹ Indicators of hydric so be present, unless dis	•	
	=T	otal Cover		Hydrophytic	turbou or propromi	
				Vegetation		
% Bare Ground in Herb Stratum 10 %	Cover of Biotic	Crust 0	_	Present? Yes	10 No	=
Remarks:						

SOIL Sampling Point: SP-02g

Depth				v ⊢△atur	-9			
	Matrix	0/		x Featur		Loc ²	Tax#:	Domarka
	Color (moist)	<u>%</u> _	Color (moist)	<u>%</u>	Type ¹	LOC	Texture	Remarks
0-16	10YR 3/1	100					Silt Loam	_
								<u> </u>
							-	_
								- -
								_
								_
¹ Type: C=Concer	ntration, D=Deple	tion, RM=F	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains. ² Lo	ocation: PL=Pore Lining, M=Matrix.
Hydric Soil Indic	ators: (Applicab	le to all Li	RRs, unless othe	rwise n	oted.)		Indica	tors for Problematic Hydric Soils ³ :
Histosol (A1)			Sandy Red	dox (S5)			1	cm Muck (A9) (LRR C)
Histic Epipedo	on (A2)		Stripped M	latrix (S6	5)		2 0	cm Muck (A10) (LRR B)
Black Histic (/	A3)		Loamy Mu	cky Mine	eral (F1)		Iro	n-Manganese Masses (F12) (LRR D)
Hydrogen Sul	fide (A4)		Loamy Gle	-				educed Vertic (F18)
	ers (A5) (LRR C)		Depleted N	,	•			ed Parent Material (F21)
1 cm Muck (A			Redox Dar					ry Shallow Dark Surface (F22)
Depleted Beld	ow Dark Surface ((A11)	Depleted [Oark Surf	ace (F7))	Ot	her (Explain in Remarks)
Thick Dark Su	urface (A12)		Redox Dep	pressions	s (F8)			
Sandy Mucky								
Sandy Gleyed	d Matrix (S4)	³ Indicators	s of hydrophytic v	egetatio	n and we	tland hy	drology must be pre	esent, unless disturbed or problematic.
Restrictive Layer	(if observed):							
Type:								
Depth (inches	s):						Hydric Soil Prese	ent? Yes No_X
Remarks:								
HYDROLOGY								
	oy Indicators:							
Wetland Hydrolo		e is require	ed; check all that a	apply)			Secon	dary Indicators (minimum of two required
Wetland Hydrolo Primary Indicators	s (minimum of on	e is require						dary Indicators (minimum of two required
Wetland Hydrolo Primary Indicators Surface Wate	s (minimum of one er (A1)	e is require	Salt Crust	(B11)			W	ater Marks (B1) (Riverine)
Wetland Hydrolo Primary Indicators Surface Wate High Water To	s (minimum of one er (A1) able (A2)	e is require	Salt Crust Biotic Crus	(B11) st (B12)	es (B13)		W: Se	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine)
Primary Indicators Surface Water High Water To	es (minimum of one er (A1) able (A2) 3)		Salt Crust Biotic Crus Aquatic Inv	(B11) st (B12) vertebrat	. ,		W: Se Dr	ater Marks (B1) (Riverine) Idiment Deposits (B2) (Riverine) Iff Deposits (B3) (Riverine)
Wetland Hydrolo Primary Indicators Surface Water High Water Ta	s (minimum of one er (A1) able (A2) 3) (B1) (Nonriverin	e)	Salt Crust Biotic Crust Aquatic In	(B11) st (B12) vertebrat Sulfide C	odor (C1)	Wa Se Dr Dr	ater Marks (B1) (Riverine) Idiment Deposits (B2) (Riverine) Iff Deposits (B3) (Riverine) Idinage Patterns (B10)
Wetland Hydrolo Primary Indicators Surface Wate High Water Tail Saturation (Additional Control of the Control o	s (minimum of one er (A1) able (A2) 3) (B1) (Nonriverin posits (B2) (Nonr	e) iverine)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized F	(B11) st (B12) vertebrat Sulfide C Rhizosph	odor (C1) eres on l) ₋iving R	W:SeDrDrDr oots (C3)Dr	ater Marks (B1) (Riverine) Idiment Deposits (B2) (Riverine) Iff Deposits (B3) (Riverine) Idinage Patterns (B10) Injury-Season Water Table (C2)
Wetland Hydrolo Primary Indicators Surface Wate High Water Ta Saturation (A: Water Marks Sediment Dep Drift Deposits	s (minimum of one er (A1) able (A2) 3) (B1) (Nonriverin posits (B2) (Nonr (B3) (Nonriverir	e) iverine)	Salt Crust Biotic Crust Aquatic In	(B11) st (B12) vertebrat Sulfide C Rhizospho of Reduc	Odor (C1) eres on leed Iron () _iving R [C4)	— Ws — Se — Dr — Dr — Dr — Cr	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8)
Wetland Hydrolo Primary Indicators Surface Wate High Water Ta Saturation (A: Water Marks Sediment Dep Drift Deposits Surface Soil (s (minimum of one er (A1) able (A2) 3) (B1) (Nonriverin cosits (B2) (Nonr (B3) (Nonriverin Cracks (B6)	e) iverine) ne)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized R Presence of	(B11) st (B12) vertebrat Sulfide C Rhizosphof Reduc n Reduc	Odor (C1) eres on leed Iron (tion in Ti) _iving R [C4)	Ws Se Dr Dr Dr Dr Cr S (C6) Sa	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C9)
Wetland Hydrolo Primary Indicators Surface Water High Water To Saturation (A) Water Marks Sediment Dep Drift Deposits Surface Soil (Inundation Visite)	s (minimum of one er (A1) able (A2) 3) (B1) (Nonriverin posits (B2) (Nonr (B3) (Nonriverir	e) iverine) ne)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence of Recent Iro Thin Muck	(B11) st (B12) vertebrat Sulfide C Rhizosphof Reduc n Reduc Surface	odor (C1) eres on leed Iron (tion in Ti (C7)) _iving R [C4)	Ws Se Dr Dr Oots (C3)	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8)
Wetland Hydrolo Primary Indicators Surface Wate High Water T: Saturation (A: Water Marks Sediment Dep Drift Deposits Surface Soil (Inundation Vis	s (minimum of one or (A1) able (A2) 3) (B1) (Nonriverin cosits (B2) (Nonriverin (B3) (Nonriverin Cracks (B6)) sible on Aerial Imd Leaves (B9)	e) iverine) ne)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized R Presence of	(B11) st (B12) vertebrat Sulfide C Rhizosphof Reduc n Reduc Surface	odor (C1) eres on leed Iron (tion in Ti (C7)) _iving R [C4)	Ws Se Dr Dr Oots (C3)	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) diff Deposits (B3) (Riverine) dinage Patterns (B10) y-Season Water Table (C2) dayfish Burrows (C8) uturation Visible on Aerial Imagery (C9) diallow Aquitard (D3)
Wetland Hydrolo Primary Indicators Surface Wate High Water Tailor Saturation (Additional Control of the Control	s (minimum of one or (A1) able (A2) 3) (B1) (Nonriverin cosits (B2) (Nonriverin (B3) (Nonriverin Cracks (B6) sible on Aerial Imd Leaves (B9) ns:	e) riverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C Rhizosphi of Reduc n Reduc Surface blain in R	odor (C1) eres on I ed Iron (tion in Ti (C7) emarks)) _iving R (C4) Iled Soil	Ws Se Dr Dr Oots (C3)	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) diff Deposits (B3) (Riverine) dinage Patterns (B10) y-Season Water Table (C2) dayfish Burrows (C8) uturation Visible on Aerial Imagery (C9) diallow Aquitard (D3)
Wetland Hydrolo Primary Indicators Surface Water High Water Ta Saturation (Ad Water Marks Sediment Dep Drift Deposits Surface Soil (Inundation Vis Water-Stained Surface Water Pro	s (minimum of one of (A1) able (A2) 3) (B1) (Nonriverin cosits (B2) (Nonriverin (B3) (Nonriverin Cracks (B6) sible on Aerial Imd Leaves (B9) ns: esent? Yes	e) riverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizosphof Reduc n Reduc Surface olain in R	odor (C1) eres on led Iron (tion in Ti (C7) emarks)) _iving R (C4) Iled Soil	Ws Se Dr Dr Oots (C3)	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) diff Deposits (B3) (Riverine) dinage Patterns (B10) y-Season Water Table (C2) dayfish Burrows (C8) uturation Visible on Aerial Imagery (C9) diallow Aquitard (D3)
Wetland Hydrolo Primary Indicators Surface Water High Water Ta Saturation (A: Water Marks Sediment Dep Drift Deposits Surface Soil (Inundation Vision Water-Stained Field Observation Surface Water Pres	s (minimum of one of (A1) able (A2) 3) (B1) (Nonrivering cosits (B2) (Nonrivering (B3) (Nonrivering (B3) (Nonrivering (B3) (Nonrivering (B4) (Nonrivering (B	e) riverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizosphof Reduc n Reduc Surface clain in R Depth (in	odor (C1) eres on I ed Iron (tion in Ti (C7) emarks) nches):) _iving R (C4) Iled Soil	W: Se Dr Dr Dr Cr s (C6) Sa FA	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) tturation Visible on Aerial Imagery (C9) allow Aquitard (D3) aC-Neutral Test (D5)
Wetland Hydrolo Primary Indicators Surface Water High Water Tail Saturation (A: Water Marks Sediment Dep Drift Deposits Surface Soil (Inundation Vision Water-Stained Field Observation Surface Water Pres Saturation Presen	s (minimum of one of the control of	e) riverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizosphof Reduc n Reduc Surface olain in R	odor (C1) eres on I ed Iron (tion in Ti (C7) emarks) nches):) Living R (C4) Illed Soil	W: Se Dr Dr Dr Cr s (C6) Sa FA	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) diff Deposits (B3) (Riverine) dinage Patterns (B10) y-Season Water Table (C2) dayfish Burrows (C8) uturation Visible on Aerial Imagery (C9) diallow Aquitard (D3)
Wetland Hydrolo Primary Indicators Surface Water High Water Tail Saturation (A: Water Marks Sediment Dep Drift Deposits Surface Soil Condition Vis Water-Stained Field Observatio Surface Water Pres Saturation Present	s (minimum of one of the control of	e) iverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ered Iron (tion in Ti (C7) emarks) enches): enches): enches):	(C4) Illed Soil	With the content of	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) tturation Visible on Aerial Imagery (C9) allow Aquitard (D3) aC-Neutral Test (D5)
Wetland Hydrolo Primary Indicators Surface Water High Water Tail Saturation (A: Water Marks Sediment Dep Drift Deposits Surface Soil Condition Vis Water-Stained Field Observatio Surface Water Pres Saturation Present	s (minimum of one of the control of	e) iverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ered Iron (tion in Ti (C7) emarks) enches): enches): enches):	(C4) Illed Soil	W: Se Dr Dr Dr Cr s (C6) Sa FA	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) tturation Visible on Aerial Imagery (C9) allow Aquitard (D3) aC-Neutral Test (D5)
Wetland Hydrolo Primary Indicators Surface Water High Water Tail Saturation (A: Water Marks Sediment Dep Drift Deposits Surface Soil Condition Vis Water-Stained Field Observatio Surface Water Pres Saturation Present	s (minimum of one of the control of	e) iverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ered Iron (tion in Ti (C7) emarks) enches): enches): enches):	(C4) Illed Soil	With the content of	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) tturation Visible on Aerial Imagery (C9) allow Aquitard (D3) aC-Neutral Test (D5)
Wetland Hydrolo Primary Indicators Surface Water High Water Ta Saturation (A: Water Marks Sediment Dep Drift Deposits Surface Soil (Inundation Vis Water-Stained Field Observatio Surface Water Pro Water Table Pres Saturation Present (includes capillary Describe Recorde	s (minimum of one of the control of	e) iverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ered Iron (tion in Ti (C7) emarks) enches): enches): enches):	(C4) Illed Soil	With the content of	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) tturation Visible on Aerial Imagery (C9) allow Aquitard (D3) aC-Neutral Test (D5)
Wetland Hydrolo Primary Indicators Surface Water High Water Ta Saturation (A: Water Marks Sediment Dep Drift Deposits Surface Soil (Inundation Vis Water-Stained Field Observatio Surface Water Pro Water Table Pres Saturation Present (includes capillary Describe Recorde	s (minimum of one of the control of	e) iverine) ne) agery (B7)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized R Presence of Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrat Sulfide C thizospho of Reduc n Reduc Surface olain in R Depth (ii Depth (iii	odor (C1) eres on I ered Iron (tion in Ti (C7) emarks) enches): enches): enches):	(C4) Illed Soil	With the content of	ater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) iff Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) tturation Visible on Aerial Imagery (C9) allow Aquitard (D3) aC-Neutral Test (D5)

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrov	v	Sampling Date:	11/16/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-02h
Investigator(s): Jessica Taylor		Section, Township, R	ange: T1N R28E S33		
Landform (hillside, terrace, etc.): Hilltop	Loca	al relief (concave, con	vex, none): <u>concave</u>	Slop	e (%):1_
Subregion (LRR): LRR B Lat: 45.479364	1°	Long:	-119.398478°	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam			NWI classif	ication: None	
Are climatic / hydrologic conditions on the site typica	for this time of year	r? Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly distu	rbed? Are "Normal	Circumstances" present?	Yes X No	'
Are Vegetation, Soil, or Hydrology	_naturally problem	atic? (If needed, e	xplain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site r	nap showing s	ampling point lo	cations, transects,	important featu	ıres, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the Sampled	Area		
	No X	within a Wetland	d? Yes	No X	
Wetland Hydrology Present? Yes	No <u>X</u>				
Remarks:					
Upland Plot					
VEGETATION – Use scientific names of	plants.				
To a Otration (District		ominant Indicator	Bi	deale e etc	
Tree Stratum (Plot size:) 1.	% Cover S	oecies? Status	Dominance Test wor Number of Dominant		
2.			Are OBL, FACW, or F		0 (A)
3.			Total Number of Domi	nant Species	
4	<u>-</u> -		Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size:		al Cover	Percent of Dominant S Are OBL, FACW, or F	•	.0% (A/B)
1	_'		Ale Obl., FACW, of F	AC. <u>0.</u>	<u>070</u> (A/B)
2.			Prevalence Index wo	rksheet:	
3.			Total % Cover of	: Multi	ply by:
4.			OBL species 0		0
5		al Cover	FACW species C		0
Herb Stratum (Plot size: 5)		ai Covei	FACU species 2		80
1. Bromus tectorum	50	Yes UPL	UPL species 8	0 x 5 = 4	100
2. Lepidium perfoliatum	10	No FACU	Column Totals: 10	00 (A) 4	80 (B)
3. Taeniatherum caput-medusae	30	Yes UPL	Prevalence Index	= B/A = <u>4.80</u>	
Salsola tragus S.	10	No FACU	Hydrophytic Vegetat	ion Indicators:	
6			Dominance Test i		
7.			Prevalence Index		
8.				aptations ¹ (Provide s	
		al Cover		s or on a separate s	•
Woody Vine Stratum (Plot size:	_)			ophytic Vegetation ¹	
1. 2.			¹ Indicators of hydric so be present, unless dis		
	=Tot	al Cover	Hydrophytic		
			Vegetation		
% Bare Ground in Herb Stratum 0 %	6 Cover of Biotic Cr	rust 0	Present? Yes	No X	=
Remarks:					

SOIL Sampling Point: SP-02h

Profile Desc Depth	ription: (Describe	to the dept		ı ment tl k Featur		tor or o	confirm the al	sence of indi	cators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textur	e	Remarks	
0-16	10YR 3/3	100	Color (molor)		Туро		Silt Loa		romano	
0-10	10113/3	100					- Cill Edd			
¹ Type: C=Cc	oncentration, D=Depl	etion RM=	Reduced Matrix C	S=Cove	red or C	2 bateo	and Grains	² Location: 1	PL=Pore Lining, M=	-Matrix
	ndicators: (Applica					oaleu o			Problematic Hydric	
Histosol	,	to u =	Sandy Red		otou.,				(A9) (LRR C)	
	ipedon (A2)		Stripped M		3)		_		(A10) (LRR B)	
Black His			Loamy Mu	`	,		_		nese Masses (F12)	(I RR D)
	n Sulfide (A4)		Loamy Gle				_	Reduced Ve		(2.1.1.2)
	Layers (A5) (LRR C	:)	Depleted N	-			_		Material (F21)	
	ck (A9) (LRR D)	,	Redox Dar				_		w Dark Surface (F2	22)
	Below Dark Surface	e (A11)	Depleted D		, ,	1	_		ain in Remarks)	-,
	rk Surface (A12)	, (, , , , ,	Redox Dep				_		an m remand,	
	ucky Mineral (S1)				J (1 J)					
	leyed Matrix (S4)	3Indicato	rs of hydrophytic y	egetatio	n and we	tland h	drology must	be present unl	less disturbed or pro	oblematic
	_ayer (if observed):		,	- 3			,	,	p-	
Type:	-ayer (ii observed).									
Depth (in	ochoc).						Hydric Soil	Procent?	Yes	No X
Remarks:							Tiyane con	1 10301111		
HYDROLO	GY									
_	drology Indicators:									
	ators (minimum of o	ne is requir					<u>s</u>		cators (minimum of	two required)
	Water (A1)		Salt Crust	` '			_		(S (B1) (Riverine)	
·	ter Table (A2)		Biotic Crus		(5.46)		_		Deposits (B2) (River	ine)
Saturatio	, ,		Aquatic Inv		, ,		_		its (B3) (Riverine)	
	arks (B1) (Nonriveri		Hydrogen		•				atterns (B10)	
	t Deposits (B2) (Nor		Oxidized R			_	oots (C3)		Water Table (C2)	
	osits (B3) (Nonriver	ine)	Presence of			,		Crayfish Bu	` '	(00)
	Soil Cracks (B6)	/D7	Recent Iro			lied Soli	is (C6)		Visible on Aerial Ima	agery (C9)
	on Visible on Aerial II	nagery (B7					_	Shallow Aqu	` '	
	ained Leaves (B9)		Other (Exp	iain in R	emarks)			FAC-Neutra	ai Test (D5)	
Field Observ										
Surface Water				Depth (i	′ =	0				
Water Table				Depth (i	′ =	0				
Saturation Pr		s	No X	Depth (i	nches): _	0	Wetland I	Hydrology Pre	sent? Yes	No X
(includes cap										
Describe Red	corded Data (stream	gauge, mo	nitoring well, aeria	pnotos	previous	s inspec	ctions), it availa	abie:		
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	City/County: Morrow		Sampling Date: 11/14/22	<u>,</u>
Applicant/Owner: NextEra Energy		State: OR	Sampling Point: SP-04a	а
Investigator(s): Jessica Taylor	Section, Township, Ra	nge: T1N R28E S02		
Landform (hillside, terrace, etc.): Hilltop	Local relief (concave, conv	ex, none): <u>concave</u>	Slope (%):	1
Subregion (LRR): LRR B Lat: 45.479364°	Long:1	19.398478°	Datum: NAD83	
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 percent slop	oes	NWI classific	cation: None	
Are climatic / hydrologic conditions on the site typical for this	time of year? Yes X	No (If no, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrologysignific	cantly disturbed? Are "Normal C	Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrologynatura	lly problematic? (If needed, ex	plain any answers in Rem	arks.)	
SUMMARY OF FINDINGS – Attach site map sh	owing sampling point lo	cations, transects, i	mportant features, etc	С.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled A	rea		
Hydric Soil Present? Yes X No	_		No	
Wetland Hydrology Present? Yes X No	_			
Remarks:	annata Elizabeta de ca			
Riverine wetland in incised drainage. Standing water/runnin	g water 5 inches deep.			
VEGETATION – Use scientific names of plants	•			
•	olute Dominant Indicator			
·	over Species? Status	Dominance Test work		
1		Number of Dominant S Are OBL, FACW, or FA		.)
3		Total Number of Domir Across All Strata:	nant Species 1 (B	3
	=Total Cover	Percent of Dominant S	,	,
Sapling/Shrub Stratum (Plot size:) 1.		Are OBL, FACW, or FA	AC: <u>100.0%</u> (A	/B)
2.		Prevalence Index wor		
3.		Total % Cover of:	Multiply by:	
4		OBL species 100	x 1 = 100	
5		FACW species 0		
Herb Stratum (Plot size: 5)	=Total Cover	FAC species 5 FACU species 0	x 3 = 15 x 4 = 0	
,	00 Yes OBL	UPL species 0	x 5 = 0	
2. Rumex crispus	5 No FAC	Column Totals: 105	5 (A) 115 (B)
3		Prevalence Index =	B/A = 1.10	
4		Hudusubudis Vanstati	on Indicators	
5		Hydrophytic Vegetation X Dominance Test is		
7.		X Prevalence Index is		
8.			ptations ¹ (Provide supporting	J
1	05 =Total Cover		or on a separate sheet)	
Woody Vine Stratum (Plot size:)			phytic Vegetation ¹ (Explain)	
1		¹ Indicators of hydric so be present, unless dist	il and wetland hydrology mus urbed or problematic.	st
	=Total Cover	Hydrophytic		
% Bare Ground in Herb Stratum 0 % Cover	of Biotic Crust 0	Vegetation Present? Yes	10 No	
Remarks:			<u> </u>	_

SOIL Sampling Point: SP-04a

	ription: (Describe t	to the depth				ator or c	confirm the absei	nce of indicator	S.)	
Depth (inches)	Matrix Color (moist)	<u></u> %	Color (moist)	x Featur	es Type ¹	Loc ²	Texture		Remarks	
			Color (ITIOISI)		туре	LUC	Silt Loam		Remarks	
0-8	10YR 2/1	100					Sill LUAIII			
			-				-			
,,	ncentration, D=Depl					oated Sa			ore Lining, M=Matrix.	
_	ndicators: (Applica	ble to all Li	•		•				ematic Hydric Soils ³	' :
Histosol (Sandy Red					1 cm Muck (A9)		
	ipedon (A2)		Stripped M	`	,			2 cm Muck (A10)		
Black His			Loamy Mu	-				•	Masses (F12) (LRR [D)
	n Sulfide (A4)		Loamy Gle					Reduced Vertic (,	
	Layers (A5) (LRR C)	Depleted N					Red Parent Mate		
	ck (A9) (LRR D)	/A 4 4 \	Redox Dar					Very Shallow Da		
	Below Dark Surface	e (A11)	Depleted [, ,)	(Other (Explain in	Remarks)	
	rk Surface (A12)		Redox Dep	oression	s (F8)					
	ucky Mineral (S1)	31		4 -4: -		رجا امت ماله			 	4: _
	eyed Matrix (S4)	mulcator	s of flydropflytic v	egetatio	n and we	tiand ny	rarology must be p	oresent, unless c	listurbed or problemat	uc.
	.ayer (if observed):									
Type:	Rock		_							
Depth (in	ches):	8	_				Hydric Soil Pre	esent?	Yes X No	
Soils Problen	natic - Shallow									
HYDROLO	GY									
Wetland Hyd	Irology Indicators:									
Primary Indic	ators (minimum of o	ne is require	ed; check all that	apply)			Seco	ondary Indicators	(minimum of two req	uired)
X Surface \	Water (A1)		Salt Crust	(B11)			\	Water Marks (B1) (Riverine)	
High Wat	ter Table (A2)		Biotic Crus	st (B12)				Sediment Depos	its (B2) (Riverine)	
Saturatio	n (A3)		Aquatic In	vertebra	tes (B13))		Drift Deposits (B	3) (Riverine)	
Water Ma	arks (B1) (Nonriveri	ne)	Hydrogen	Sulfide (Odor (C1))		Drainage Pattern		
	t Deposits (B2) (Non		Oxidized F			-	, ,	Dry-Season Wat	` ,	
	osits (B3) (Nonriver	ine)	Presence		,	,		Crayfish Burrows	` '	
	Soil Cracks (B6)		Recent Iro			lled Soil			e on Aerial Imagery (C	C9)
	n Visible on Aerial Ir	nagery (B7)						Shallow Aquitard		
Water-St	ained Leaves (B9)		Other (Exp	lain in F	Remarks)		<u>X</u> I	FAC-Neutral Tes	t (D5)	
Field Observ										
Surface Water		s <u>X</u>			nches): _	5				
Water Table		s		Depth (i	· -	0				
Saturation Pr		s X	No	Depth (i	nches):	8	Wetland Hyd	rology Present	Yes X No	
(includes cap										
Describe Rec	corded Data (stream	gauge, mon	nitoring well, aeria	l photos	, previous	s inspec	tions), if available			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	,	Sampling Date:	11/14/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-04b
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	ange: T1N R28E S02		
Landform (hillside, terrace, etc.): Hilltop	l	ocal relief (co	ncave, conv	rex, none): concave	Slop	e (%):1
Subregion (LRR): LRR B Lat: 45.479364	l°		Long: -	119.398478°	Datum:	NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 per	cent slopes			NWI classif	fication: None	
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly d	listurbed? A	re "Normal (Circumstances" present?	Yes X No	·
Are Vegetation, Soil, or Hydrology	_naturally prob	lematic? (I	f needed, ex	xplain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site n	nap showin	g sampling	g point lo	cations, transects,	important featu	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No <u>X</u>					
Remarks:						
Upland Soil						
VEGETATION – Use scientific names of	plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:) 1.	% Cover	Species?	Status	Dominance Test wor		
2.				Number of Dominant Are OBL, FACW, or F		0 (A)
3.				Total Number of Dom		``
4.				Across All Strata:	·	1 (B)
0 1: (0) 1 0: (0)		Total Cover		Percent of Dominant	•	00/ ///D)
Sapling/Shrub Stratum (Plot size:	_)			Are OBL, FACW, or F	AC: 0.	.0% (A/B)
1. 2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of		ply by:
4				· -		0
5		Tatal Cavan		· ·		0
Herb Stratum (Plot size: 5)		Total Cover				30 0
Centromadia pungens	10	No	FAC	·		225
2. Bromus diandrus	40	Yes	UPL	Column Totals: 5	5 (A) 2	255 (B)
3. Ericameria nauseosa	5	No	UPL	Prevalence Index	= B/A = <u>4.64</u>	
4 5.				Hydrophytic Vegetat	ion Indicators:	
6.				Dominance Test i		
7.				Prevalence Index		
8.					aptations ¹ (Provide s	
		Total Cover			s or on a separate s	•
Woody Vine Stratum (Plot size:	_)				ophytic Vegetation ¹	
1. 2.				¹ Indicators of hydric so be present, unless dis		
	- <u></u> -	Total Cover		Hydrophytic		
				Vegetation		
	6 Cover of Bioti	c Crust 0		Present? Yes	No_X	
Remarks:						

SOIL Sampling Point: SP-04b

Depth	Matrix	Redox Feature	es			
(inches)	Color (moist) %	Color (moist) %		Loc ²	Texture	Remarks
0-16	10YR 3/3 100		75-		Silt Loam	
<u> </u>	10111.0/0					
¹Type: C=Cc	oncentration, D=Depletion, RM=F	Reduced Matrix, CS=Cove	red or Coa	ated Sa	and Grains. ² Location	on: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applicable to all LF	RRs, unless otherwise n	oted.)		Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)	Sandy Redox (S5)			1 cm M	uck (A9) (LRR C)
Histic Ep	ipedon (A2)	Stripped Matrix (S6	5)		2 cm M	uck (A10) (LRR B)
Black His	stic (A3)	Loamy Mucky Mine	eral (F1)		Iron-Ma	nganese Masses (F12) (LRR D)
Hydroger	n Sulfide (A4)	Loamy Gleyed Mat	rix (F2)		Reduce	d Vertic (F18)
Stratified	Layers (A5) (LRR C)	Depleted Matrix (F3	3)			rent Material (F21)
1 cm Mu	ck (A9) (LRR D)	Redox Dark Surfac	e (F6)			allow Dark Surface (F22)
Depleted	Below Dark Surface (A11)	Depleted Dark Surf			Other (F	Explain in Remarks)
	rk Surface (A12)	Redox Depressions	s (F8)			
	ucky Mineral (S1)					
Sandy G	leyed Matrix (S4) ³ Indicators	s of hydrophytic vegetation	n and wetl	and hy	drology must be present	, unless disturbed or problematic.
Restrictive L	ayer (if observed):					
Type:		_				
Depth (in	iches):	_			Hydric Soil Present?	Yes No <u>X</u>
HYDROLO						
Wetland Hvo						
_	Irology Indicators:					
Primary Indic	ators (minimum of one is require					Indicators (minimum of two required)
Primary Indic	ators (minimum of one is require Water (A1)	Salt Crust (B11)			Water N	Marks (B1) (Riverine)
Primary Indic Surface \ High Wa	ators (minimum of one is require Water (A1) ter Table (A2)	Salt Crust (B11) Biotic Crust (B12)	oo (P12)		Water M	Marks (B1) (Riverine) nt Deposits (B2) (Riverine)
Primary Indic Surface \ High War Saturatio	ators (minimum of one is require Water (A1) ter Table (A2) n (A3)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat	, ,		Water M Sedime Drift De	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine)
Primary Indic Surface \ High Wai Saturatio Water Ma	ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C	Odor (C1)	ving Re	Water M Sedime Drift De	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) e Patterns (B10)
Primary Indic Surface \ High Wat Saturatio Water Ma	ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosph	Odor (C1) eres on Li	_	Water NSedimeDrift DeDrainag pots (C3)Dry-Sea	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) e Patterns (B10) ason Water Table (C2)
Primary Indic Surface \ High War Saturatio Water Ma Sedimen Drift Dep	ators (minimum of one is require Nater (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosph	Odor (C1) eres on Lited Iron (C	(4)	Water M Sedime Drift De Drainag Dry-Sea Crayfish	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) e Patterns (B10) ason Water Table (C2) n Burrows (C8)
Primary Indic Surface \ High War Saturatio Water Ma Sedimen Drift Dep Surface S	nators (minimum of one is require Nater (A1) ter Table (A2) In (A3) In (B1) (Nonriverine) It Deposits (B2) (Nonriverine) It Deposits (B3) (Nonriverine) Soil Cracks (B6)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosph Presence of Reduc	Odor (C1) eres on Liced Iron (C tion in Tille	(4)	Water M Sedime Drift De Drainag Dots (C3) Dry-Sea Crayfish S (C6) Saturati	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) ne Patterns (B10) nason Water Table (C2) n Burrows (C8) on Visible on Aerial Imagery (C9)
Primary Indice Surface \ High War Saturatio Water Ma Sedimen Drift Dep Surface S Inundation	ators (minimum of one is require Nater (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosph	Odor (C1) eres on Lired Iron (C tion in Tille (C7)	(4)	Water M Sedime Drift De Drainag Doots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) e Patterns (B10) ason Water Table (C2) n Burrows (C8)
Primary Indice Surface \ High War Saturatio Water Ma Sedimen Drift Dep Surface S Inundation	nators (minimum of one is required Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6) on Visible on Aerial Imagery (B7) cained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosph Presence of Reduc Recent Iron Reduc Thin Muck Surface	Odor (C1) eres on Lired Iron (C tion in Tille (C7)	(4)	Water M Sedime Drift De Drainag Doots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) ne Patterns (B10) nason Water Table (C2) n Burrows (C8) on Visible on Aerial Imagery (C9) or Aquitard (D3)
Primary Indice Surface N High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Inundatio Water-St	Actors (minimum of one is required Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6) on Visible on Aerial Imagery (B7) ained Leaves (B9) vations:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosph Presence of Reduc Recent Iron Reduc Thin Muck Surface	Odor (C1) eres on Lived Iron (C tion in Tille (C7) emarks)	(4)	Water M Sedime Drift De Drainag Doots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) ne Patterns (B10) nason Water Table (C2) n Burrows (C8) on Visible on Aerial Imagery (C9) or Aquitard (D3)
Primary Indice Surface N High Wat Saturatio Water Mater Mate	nators (minimum of one is required Water (A1) ter Table (A2) In (A3) arks (B1) (Nonriverine) It Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6) In Visible on Aerial Imagery (B7) Istained Leaves (B9) Invations: Invations: Invations (A1) Invations (B2) Invations (B3) Invations (B4) Invation (B4	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosph Presence of Reduc Recent Iron Reduc Thin Muck Surface Other (Explain in R	Odor (C1) eres on Lir ed Iron (C tion in Tille (C7) emarks)	ed Soil	Water M Sedime Drift De Drainag Doots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow	Marks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) ne Patterns (B10) nason Water Table (C2) n Burrows (C8) on Visible on Aerial Imagery (C9) or Aquitard (D3)
Primary Indice Surface N High War Saturatio Water Ma Sedimen Drift Dep Surface S Inundatio Water-St Field Observ Surface Water	nators (minimum of one is required Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6) in Visible on Aerial Imagery (B7) ained Leaves (B9) vations: er Present? Yes Present? Yes	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosph Presence of Reduc Recent Iron Reduc Thin Muck Surface Other (Explain in R	Odor (C1) eres on Lived Iron (Ction in Tille (C7) emarks) enches):nches):	ed Soil	Water M Sedime Drift De Drainag Doots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Patterns (B10) Int Patterns (B10) Int Burrows (C8) Int Deposits (C9) Int Patterns (C9) Int Patter
Primary Indice Surface N High War Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St Field Observ Surface Water	Actors (minimum of one is required Water (A1) Actor (A2) Actor (A3) Actor (B1) (Nonriverine) Actor (B3) (Nonriverine) Actor (B3) (Nonriverine) Actor (B4) (Nonriverine) Actor (B5) (Nonriverine) Actor (B6) Actor (B6) Actor (B7) Actor	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosph Presence of Reduc Recent Iron Reduc Thin Muck Surface Other (Explain in R	Odor (C1) eres on Lived Iron (Ction in Tille (C7) emarks) enches):nches):	0 0	Water M Sedime Drift De Drainag Dots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Patterns (B10) Int Patterns (B10) Int Burrows (C8) Int Deposits (C9) Int Patterns (C9) Int Patter
Primary Indice Surface N High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St Field Observ Surface Wate Water Table Saturation Pr (includes cap	Actors (minimum of one is required Water (A1) Actor (A2) Actor (A3) Actor (B1) (Nonriverine) Actor (B3) (Nonriverine) Actor (B3) (Nonriverine) Actor (B4) (Nonriverine) Actor (B5) (Nonriverine) Actor (B6) Actor (B6) Actor (B7) Actor	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosphe Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in Reduct) No X Depth (in No X Depth	Odor (C1) eres on Lir eed Iron (C tion in Tille (C7) emarks) nches): nches):	0 0 0	Water M Sedime Drift De Drainag Dots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Patterns (B10) Int Patterns (B10) Int Burrows (C8) Int Deposits (C9) Int Patterns (C9) Int Patter
Primary Indice Surface N High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Inundatic Water-St Field Observ Surface Wate Water Table Saturation Pr (includes cap	Astors (minimum of one is required Water (A1) ter Table (A2) In (A3) Arks (B1) (Nonriverine) It Deposits (B2) (Nonriverine) It Deposits (B3) (Nonriverine) It Deposits (B4) (Nonriverine) It Deposits (B5) (Nonriverine) It Deposits (B6) It Deposits (B6) It Deposits (B9) It De	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosphe Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in Reduct) No X Depth (in No X Depth	Odor (C1) eres on Lir eed Iron (C tion in Tille (C7) emarks) nches): nches):	0 0 0	Water M Sedime Drift De Drainag Dots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Patterns (B10) Int Patterns (B10) Int Burrows (C8) Int Deposits (C9) Int Patterns (C9) Int Patter
Primary Indice Surface N High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Inundatice Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap	Astors (minimum of one is required Water (A1) ter Table (A2) In (A3) Arks (B1) (Nonriverine) It Deposits (B2) (Nonriverine) It Deposits (B3) (Nonriverine) It Deposits (B4) (Nonriverine) It Deposits (B5) (Nonriverine) It Deposits (B6) It Deposits (B6) It Deposits (B9) It De	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosphe Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in Reduct) No X Depth (in No X Depth	Odor (C1) eres on Lir eed Iron (C tion in Tille (C7) emarks) nches): nches):	0 0 0	Water M Sedime Drift De Drainag Dots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Patterns (B10) Int Patterns (B10) Int Burrows (C8) Int Deposits (C9) Int Patterns (C9) Int Patter
Primary Indice Surface N High Wa' Saturatio Water Ma Sedimen Drift Dep Surface S Inundatice Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap	Astors (minimum of one is required Water (A1) ter Table (A2) In (A3) Arks (B1) (Nonriverine) It Deposits (B2) (Nonriverine) It Deposits (B3) (Nonriverine) It Deposits (B4) (Nonriverine) It Deposits (B5) (Nonriverine) It Deposits (B6) It Deposits (B6) It Deposits (B9) It De	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizosphe Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in Reduct) No X Depth (in No X Depth	Odor (C1) eres on Lir eed Iron (C tion in Tille (C7) emarks) nches): nches):	0 0 0	Water M Sedime Drift De Drainag Dots (C3) Dry-Sea Crayfish S (C6) Saturati Shallow FAC-Ne	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B3) (Riverine) Int Patterns (B10) Int Patterns (B10) Int Burrows (C8) Int Deposits (C9) Int Patterns (C9) Int Patter

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow		Sampling Date:	11/09/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-05a
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	inge: T1N R28E S02		
Landform (hillside, terrace, etc.): Hilltop	L	ocal relief (co	ncave, conv	ex, none): concave	Slop	e (%):1_
Subregion (LRR): LRR B Lat: 45.479364°			Long: -	119.398478°	Datum:	NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 perce	nt slopes			NWI classifi	ication: None	
Are climatic / hydrologic conditions on the site typical for	or this time of	year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly d	isturbed? A	re "Normal (Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrology	naturally prob	lematic? (I	f needed, ex	plain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site ma	ap showin	g sampling	g point lo	cations, transects,	important featu	ıres, etc.
Hydrophytic Vegetation Present? Yes x N	0	Is the	Sampled A	rea		
	0		n a Wetland		No	
Wetland Hydrology Present? Yes X N	o					
Remarks:						
Wetland soil. Stock tank fed wetland. Rectangular st	ock pond.					
VEGETATION – Use scientific names of p	lante					
VEGETATION - 030 301011tille flames of p	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1.				Number of Dominant S		0 (4)
2. 3.				Are OBL, FACW, or F		2 (A)
4.				Total Number of Domi Across All Strata:	•	2 (B)
	=	Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size:)			Are OBL, FACW, or F.	AC: 100	0.0% (A/B)
1.				Blana landa	-114-	
2. 3.				Prevalence Index wo Total % Cover of		ply by:
4.				OBL species 15		15
5.				FACW species 10	0 x 2 = 2	20
	=	Total Cover		FAC species 0		0
Herb Stratum (Plot size: 5) 1. Polypogon monspeliensis	10	Yes	FACW	FACU species 0 UPL species 5		<u>0</u> 25
Nasturtium officinale	10	Yes	OBL	Column Totals: 30		60 (B)
3. Onopordum acanthium	5	No	UPL	Prevalence Index :		
4. Lemna minor	5	No	OBL			
5				Hydrophytic Vegetati		
6				X Dominance Test is X Prevalence Index		
8.					aptations ¹ (Provide s	supporting
	30 =	Total Cover			s or on a separate s	
Woody Vine Stratum (Plot size:)			Problematic Hydro	ophytic Vegetation ¹	(Explain)
1				¹ Indicators of hydric so be present, unless dis	•	0,
		Total Cover		Hydrophytic		
				Vegetation		
% Bare Ground in Herb Stratum 70 % 0	Cover of Biotic	Crust 0	_	Present? Yes	<u>x</u> No	<u> </u>
Remarks:						

SOIL Sampling Point: SP-05a

Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	% (Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/3	100	ocioi (iiiolot)	·	<u>. ypc</u>		Silt Loam	romano
0-3	10113/3	100		· ——				
				· ——				
¹ Type: C=Co	oncentration, D=Deple	tion RM-Re	duced Matrix (red or Co	nated S	and Grains ² Loca	tion: PL=Pore Lining, M=Matrix.
	ndicators: (Applicab					Jaleu O		s for Problematic Hydric Soils ³ :
Histosol	,	ie to all Livi	Sandy Re		oteu.,			Muck (A9) (LRR C)
	pipedon (A2)		Stripped N)			Muck (A10) (LRR B)
Black His			Loamy Mu					Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gl	-				ced Vertic (F18)
	Layers (A5) (LRR C)		Depleted	-				Parent Material (F21)
	ck (A9) (LRR D)		Redox Da					Shallow Dark Surface (F22)
	l Below Dark Surface ((Δ11)	Depleted		` '			(Explain in Remarks)
	irk Surface (A12)	,711)	Redox De				<u>X</u> Other	(Explain in Remarks)
	lucky Mineral (S1)		RCGOX BC	pressions	, (1 0)			
	leyed Matrix (S4)	³ Indicators	of hydrophytic y	vegetation	and we	tland hy	rdrology must be prese	nt, unless disturbed or problematic.
	_ayer (if observed):	- Indicatoro	or riyaropriyar	rogotation	T GITG TTO	tiana ny	arology made 20 proce	ni, unices dictarged of programatic.
Type:	Rock							
Depth (in		3	-				Hydric Soil Present	? Yes X No
Remarks:			-				,	<u> </u>
	natic - Shallow							
Collo problem	natio Chanow							
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
Primary Indic	arology intaloators.							
	cators (minimum of one	<u>e is required</u>	; check all that	apply)			Secondar	y Indicators (minimum of two required)
	cators (minimum of one Water (A1)	e is required	; check all that Salt Crust				Wate	r Marks (B1) (Riverine)
	cators (minimum of one	e is required		(B11)			Wate	•
	cators (minimum of one Water (A1) ter Table (A2)	e is required	Salt Crust	(B11) st (B12)	es (B13)		Wate Sedin	r Marks (B1) (Riverine)
High Wa	cators (minimum of one Water (A1) ter Table (A2)	·	Salt Crust Biotic Cru	(B11) st (B12) vertebrat			Wate Sedin	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine)
High Wa X Saturation Water M	cators (minimum of one Water (A1) ter Table (A2) on (A3)	e)	Salt Crust Biotic Cru Aquatic In	st (B11) st (B12) overtebrate Sulfide C	dor (C1))	Wate Sedin Drift [Drain	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine)
High Wa X Saturatio Water M Sedimen	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine	e) iverine)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence	t (B11) st (B12) overtebrate Sulfide C Rhizosphe of Reduc	odor (C1) eres on l ed Iron () ₋iving Ro C4)	WateSedinDrift [DrainCrayfCrayfCrayf	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8)
High Wa X Saturatio Water M Sedimen Drift Dep Surface S	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6)	e) iverine) ne)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized F	t (B11) st (B12) overtebrate Sulfide C Rhizosphe of Reduc	odor (C1) eres on l ed Iron () ₋iving Ro C4)	WateSedinDrift [DrainCrayfCrayfCrayf	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2)
High Wa X Saturatio Water M Sedimen Drift Dep Surface S	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine that Deposits (B2) (Nonriverine cosits (B3) (Nonriverine	e) iverine) ne)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence	t (B11) st (B12) overtebrate Sulfide C Rhizosphe of Reduct on Reduct	odor (C1) eres on led Iron (tion in Ti) ₋iving Ro C4)	Wate Sedin Drift [r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
High Wa X Saturatio Water M Sedimen Drift Dep Surface S Inundation	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6)	e) iverine) ne)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Iro	t (B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduct on Reduct & Surface	odor (C1) eres on led Iron (tion in Ti (C7)) ₋iving Ro C4)	Wate Sedin Drift [r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9)
High Wa X Saturatio Water M Sedimen Drift Dep Surface S Inundation	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Im tained Leaves (B9)	e) iverine) ne)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc	t (B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduct on Reduct & Surface	odor (C1) eres on led Iron (tion in Ti (C7)) ₋iving Ro C4)	Wate Sedin Drift [r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
High Wa X Saturatic Water M Sedimen Drift Dep Surface S Inundatic Water-St	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Im tained Leaves (B9) vations:	e) iverine) ne) agery (B7)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc	t (B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduct on Reduct & Surface	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks)) ₋iving Ro C4)	Wate Sedin Drift [r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
High Wa X Saturation Water M Sediment Drift Dep Surface S Inundation Water-St Field Observa	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine sosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Imitatined Leaves (B9) evations: er Present? Yes	e) iverine) ne) agery (B7)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex	(B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduce on Reduce x Surface plain in R	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks)	Living Ro	Wate Sedin Drift [r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
High Wa X Saturation Water M. Sedimen Drift Dep Surface S Inundation Water-St Field Observ Surface Water	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine soil Cracks (B6) on Visible on Aerial Im tained Leaves (B9) vations: er Present? Yes Present? Yes	e) iverine) ne) agery (B7)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex	st (B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduct on Reduct c Surface plain in R	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches):	Living Ro	Wate Sedin Drift [r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3)
High Wa X Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-SI Field Observ Surface Water Water Table Saturation Pr (includes cap	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Imitatined Leaves (B9) vations: ter Present? Present? Yes Present? Yes cosillary fringe)	e) iverine) ne) agery (B7)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex No X No X No	t (B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduct on Reduct of Surface plain in R Depth (ir Depth (ir	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches): _	C4) living Ro C4) lled Soil	Wate Sedin Drift I Drain Dry-S Crayf Satur Shalld X FAC-	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
High Wa X Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-SI Field Observ Surface Water Water Table Saturation Pr (includes cap	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Imitatined Leaves (B9) vations: er Present? Present? Yes Present? Yes Present? Yes	e) iverine) ne) agery (B7)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex No X No X No	t (B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduct on Reduct of Surface plain in R Depth (ir Depth (ir	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches): _	C4) living Ro C4) lled Soil	Wate Sedin Drift I Drain Dry-S Crayf Satur Shalld X FAC-	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
High Wa X Saturatio Water M Sedimen Drift Dep Surface S Inundatio Water-SI Field Observ Surface Water Water Table Saturation Pr (includes cap	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Imitatined Leaves (B9) vations: ter Present? Present? Yes Present? Yes cosillary fringe)	e) iverine) ne) agery (B7)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex No X No X No	t (B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduct on Reduct of Surface plain in R Depth (ir Depth (ir	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches): _	C4) living Ro C4) lled Soil	Wate Sedin Drift I Drain Dry-S Crayf Satur Shalld X FAC-	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
High Wa X Saturation Water M. Sediment Drift Dep Surface Surface Surface Water-St Field Observ Surface Water Table Saturation Profincludes cap Describe Recommendation	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Imitatined Leaves (B9) vations: ter Present? Present? Yes Present? Yes cosillary fringe)	e) iverine) ne) agery (B7)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex No X No X No	t (B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduct on Reduct of Surface plain in R Depth (ir Depth (ir	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches): _	C4) living Ro C4) lled Soil	Wate Sedin Drift I Drain Dry-S Crayf Satur Shalld X FAC-	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
High Wa X Saturation Water M. Sediment Drift Dep Surface Surface Surface Water-St Field Observ Surface Water Table Saturation Profincludes cap Describe Recommendation	cators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine to Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Imitatined Leaves (B9) vations: ter Present? Present? Yes Present? Yes cosillary fringe)	e) iverine) ne) agery (B7)	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Thin Muck Other (Ex No X No X No	t (B11) st (B12) evertebrate Sulfide C Rhizosphe of Reduct on Reduct of Surface plain in R Depth (ir Depth (ir	odor (C1) eres on L ed Iron (tion in Ti (C7) emarks) nches): _ nches): _	C4) living Ro C4) lled Soil	Wate Sedin Drift I Drain Dry-S Crayf Satur Shalld X FAC-	r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrov	W	Sampling Date:	11/09/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-05b
Investigator(s): Jessica Taylor		Section, Township, R	lange: T1N R28E S02		
Landform (hillside, terrace, etc.): Hilltop	Loca	I relief (concave, con	vex, none): concave	Slop	e (%):1_
Subregion (LRR): LRR B Lat: 45.47936	4°	Long:	-119.398478°	Datum:	NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 per	cent slopes		NWI classif	ication: None	
Are climatic / hydrologic conditions on the site typical	I for this time of yea	r? Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly distur	bed? Are "Normal	Circumstances" present?	Yes X No	·
Are Vegetation, Soil, or Hydrology	naturally problema	atic? (If needed, e	xplain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site	nap showing s	ampling point lo	ocations, transects,	important featu	ıres, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the Sampled	Area		
Hydric Soil Present? Yes	No X	within a Wetland	d? Yes	No <u>X</u>	
Wetland Hydrology Present? Yes	No X				
Remarks:					
Upland Soil					
VEGETATION – Use scientific names of	plants.				
	•	minant Indicator			
Tree Stratum (Plot size:)	% Cover Sp	pecies? Status	Dominance Test wor		
1. 2.			Number of Dominant S Are OBL, FACW, or F		0 (A)
3.			Total Number of Domi	nant Species	
4	_{= -}		Across All Strata:		1 (B)
Sapling/Shrub Stratum (Plot size:		al Cover	Percent of Dominant S Are OBL, FACW, or F	•	.0% (A/B)
1.			AIC OBE, I AOW, OI I	<u> </u>	(746)
2.			Prevalence Index wo	rksheet:	
3.			Total % Cover of	: Multi	ply by:
4.			OBL species 0		0
5		al Cover	FACW species C		0
Herb Stratum (Plot size: 5)		ai Covei	FACU species 8		340
1. Bromus tectorum	5	No UPL	UPL species 1	0 x 5 =	50
2. Hordeum murinum	85	Yes FACU	Column Totals: 9	5 (A) 3	(B)
3. Amsinckia	_ 5 _	No	Prevalence Index	= B/A = 4.11	
Onopordum acanthium S.		No UPL	Hydrophytic Vegetat	ion Indicators:	
-			Dominance Test i		
7.			Prevalence Index		
8.				aptations ¹ (Provide s	
	100 =Tota	al Cover		s or on a separate s	,
Woody Vine Stratum (Plot size:	_)		I —	ophytic Vegetation ¹	` ' '
1. 2.			¹ Indicators of hydric so be present, unless dis		
	=Tota	al Cover	Hydrophytic	,	
	, 		Vegetation		
	% Cover of Biotic Cr	ust <u>0</u>	Present? Yes	No X	
Remarks:					

SOIL Sampling Point: SP-05b

Profile Desc Depth	cription: (Describe Matrix	to the depth		ument t		tor or c	onfirm the	absence of indi	cators.)	
	Color (moist)	%				Loc ²	Tout	huma.	Domorko	
(inches)			Color (moist)	%	Type ¹	LOC	Text		Remarks	
0-14	10YR 3/4	100					Silt Lo	oam		
	-									
 							-			
¹ Type: C=C	oncentration, D=Dep	oletion, RM=R	educed Matrix,	CS=Cove	ered or Co	oated Sa	and Grains.	² Location: F	PL=Pore Lining, M=	Matrix.
Hydric Soil	Indicators: (Applic	able to all LR	Rs, unless oth	erwise n	oted.)			Indicators for F	Problematic Hydric	: Soils³:
Histosol	(A1)		Sandy Re	dox (S5)				1 cm Muck	(A9) (LRR C)	
Histic Ep	pipedon (A2)		Stripped N	/atrix (S	3)			2 cm Muck	(A10) (LRR B)	
Black Hi	stic (A3)		Loamy Mu	icky Min	eral (F1)			Iron-Mangar	nese Masses (F12)	(LRR D)
	en Sulfide (A4)		Loamy Gl	-				Reduced Ve		
	d Layers (A5) (LRR	C)	Depleted	-					Material (F21)	
	ıck (A9) (LRR D)	•	Redox Da		•				w Dark Surface (F2	2)
	d Below Dark Surfac	e (A11)	Depleted						ain in Remarks) `	,
l ——	ark Surface (A12)	,	Redox De						,	
	lucky Mineral (S1)			•	()					
I ——	Gleyed Matrix (S4)	³ Indicators	of hydrophytic	/egetatio	n and we	tland hy	drology mu	st be present, unl	ess disturbed or pro	oblematic.
Restrictive	Layer (if observed)							-	•	
Type:	rock									
Depth (in		14	_				Hydric Sc	oil Present?	Yes	No X
Remarks:										
HYDROLO	OGY									
Wetland Hy	drology Indicators									
Primary India	cators (minimum of	one is required	d; check all that	apply)				Secondary Indic	ators (minimum of	two required)
Surface	Water (A1)		Salt Crust	(B11)				Water Mark	s (B1) (Riverine)	
High Wa	ater Table (A2)		Biotic Cru	st (B12)				Sediment D	eposits (B2) (River	ine)
Saturation	on (A3)		Aquatic In		, ,			Drift Deposi	ts (B3) (Riverine)	
Water M	larks (B1) (Nonrive i	rine)	Hydrogen	Sulfide (Odor (C1))		Drainage Pa	atterns (B10)	
Sedimer	nt Deposits (B2) (No	nriverine)	Oxidized I	•		-	oots (C3)	Dry-Season	Water Table (C2)	
	posits (B3) (Nonrive	rine)	Presence		,	,		Crayfish Bu		
Surface	Soil Cracks (B6)		Recent Iro			lled Soil	s (C6)	Saturation \	/isible on Aerial Ima	agery (C9)
Inundation	on Visible on Aerial	Imagery (B7)	Thin Mucl	Surface	e (C7)			Shallow Aqu	uitard (D3)	
Water-S	tained Leaves (B9)		Other (Ex	plain in F	Remarks)			FAC-Neutra	l Test (D5)	
Field Obser	vations:									
Surface Wat	ter Present? Y	es	No X	Depth (i	nches): _	0				
Water Table	Present? Y	es	No X	Depth (i	nches):	0				
Saturation P	resent? Y	es	No X	Depth (i	nches):	0	Wetland	d Hydrology Pres	sent? Yes	No X
(includes ca										
Describe Re	corded Data (strean	n gauge, moni	toring well, aeria	al photos	, previous	sinspec	tions), if ava	ailable:		
Remarks:										
i tomanto.										
L										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow		Sampling Date:	11/09/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-06a
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	nge: T1N R28E S02		
Landform (hillside, terrace, etc.): Hilltop	L	ocal relief (co	ncave, conv	ex, none): concave	Slo	pe (%): <u>1</u>
Subregion (LRR): LRR B Lat: 45.479364	4°		Long: -	19.398478°	Datum:	NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 per	cent slopes			NWI classif	ication: None	
Are climatic / hydrologic conditions on the site typica	I for this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly di	sturbed? A	re "Normal (Circumstances" present?	Yes_X_ N	o
Are Vegetation, Soil, or Hydrology	_ _naturally probl	ematic? (I	f needed, ex	plain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site r	_ nap showinឲຸ	g sampling	g point lo	cations, transects,	important feat	tures, etc.
Hydric Soil Present? Yes X	No No		Sampled A		No	
Remarks: Wetland soil. Very small wetland near stock tank-p		ically connec	ted. Pit did ı	not produce any water.		
VEGETATION – Use scientific names of	-	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1				Number of Dominant Are OBL, FACW, or F	•	1 (A)
3. 4.				Total Number of Dom Across All Strata:	inant Species	1 (B)
Sapling/Shrub Stratum (Plot size:	_)	Total Cover		Percent of Dominant S Are OBL, FACW, or F	•	00.0% (A/B)
2.				Prevalence Index wo	rksheet:	
3.				Total % Cover of		tiply by:
4				· -	5 x1= 0 x2=	20
J	- ₌	Total Cover			x 3 =	15
Herb Stratum (Plot size: 5)	-) x 4 =	0
Polypogon monspeliensis	5	No	FACW	UPL species () x 5 =	0
2. Nasturtium officinale	85	Yes	OBL	Column Totals: 10		120 (B)
3. Dipsacus fullonum	_ 5	No No	FAC	Prevalence Index	= B/A = <u>1.2</u>	0
4. Juncus balticus 5.	5	No	FACW	Hydrophytic Vegetat	ion Indicators:	
6.	_			X Dominance Test i		
7.				X Prevalence Index		
8.					aptations ¹ (Provide	
		Total Cover			s or on a separate	•
Woody Vine Stratum (Plot size:					ophytic Vegetation	` ' '
1				¹ Indicators of hydric so be present, unless dis		
-	=	Total Cover		Hydrophytic Vegetation	turbed of problems	1110.
% Bare Ground in Herb Stratum 10 9	6 Cover of Biotic	Crust 0	<u> </u>	Present? Yes	No	<u> </u>
Remarks:						

SOIL Sampling Point: SP-06a

Profile Desc Depth	ription: (Describe	to the dept		ı ment th k Featur		tor or o	confirm the absence	of indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-12	10YR 2/2	100	Goldi (ilidiat)		.,,,,,		Silt Loam		
0 12	1011112/2	100							
								-	
	oncentration, D=Dep					oated S		ation: PL=Pore Lining, M=Matrix.	
-	ndicators: (Applica	ble to all L			oted.)			rs for Problematic Hydric Soils ³	:
Histosol	` '		Sandy Red					Muck (A9) (LRR C)	
	ipedon (A2)		Stripped M	,	,			Muck (A10) (LRR B)	• •
Black His	` '		Loamy Mu					Manganese Masses (F12) (LRR D))
	n Sulfide (A4)	•\	Loamy Gle	-				iced Vertic (F18) Parent Material (F21)	
	l Layers (A5) (LRR C ck (A9) (LRR D)	·)	Depleted N Redox Dar		-			Shallow Dark Surface (F22)	
	Below Dark Surface	Δ (Δ 11)	Depleted D		` '			r (Explain in Remarks)	
	rk Surface (A12)	(7,11)	Redox Dep				<u> </u>	(Explain in Remarks)	
	lucky Mineral (S1)			10001011	J (1 J)				
	leyed Matrix (S4)	³ Indicator	rs of hydrophytic v	egetatio	n and we	tland hy	drology must be prese	ent, unless disturbed or problemat	ic.
Restrictive L	_ayer (if observed):							· · · · · · · · · · · · · · · · · · ·	
Type:	Rock								
Depth (in	nches):	12					Hydric Soil Present	t? Yes X No	
Solis problem	natic - shallow								
HYDROLO	GY								
Wetland Hyd	drology Indicators:								
	cators (minimum of o	ne is requir						ry Indicators (minimum of two requ	uired)
	Water (A1)		Salt Crust	` '				er Marks (B1) (Riverine)	
	ter Table (A2)		Biotic Crus		(D.40)			ment Deposits (B2) (Riverine)	
X Saturation	` '	ma\	Aquatic In		, ,			Deposits (B3) (Riverine)	
	arks (B1) (Nonriveri it Deposits (B2) (No r		Hydrogen S Oxidized R					age Patterns (B10) Season Water Table (C2)	
	osits (B3) (Nonriver		Presence			_		fish Burrows (C8)	
	Soil Cracks (B6)		Recent Iron			,		ration Visible on Aerial Imagery (C	29)
	on Visible on Aerial I	magery (B7						ow Aquitard (D3)	- /
Water-St	tained Leaves (B9)		Other (Exp	lain in R	emarks)		X FAC-	Neutral Test (D5)	
Field Observ	vations:								
Surface Water	er Present? Ye	es	No X	Depth (i	nches):	0			
Water Table	Present? Ye	s	No X	Depth (i	nches):	0			
Saturation Pr		s X	No	Depth (i	nches):	12	Wetland Hydrolog	gy Present? Yes X No	
(includes cap									
Describe Red	corded Data (stream	gauge, mo	nitoring well, aerial	photos,	previous	s inspec	tions), if available:		
Remarks:									
Remarks:									
Remarks:									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cour	nty: Morrow		Sampling Date:	11/09/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-06b
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	inge: T1N R28E S02		
Landform (hillside, terrace, etc.): Hilltop	Lo	ocal relief (co	ncave, conv	ex, none): <u>concave</u>	Slop	e (%):1_
Subregion (LRR): LRR B Lat: 45.479364	1°		Long: <u>-</u>	119.398478°	Datum:	NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 per	cent slopes			NWI classif	fication: None	
Are climatic / hydrologic conditions on the site typical	I for this time of y	/ear?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly dis	sturbed? A	re "Normal C	Circumstances" present?	Yes X No	'
Are Vegetation, Soil, or Hydrology	_naturally proble	ematic? (I	f needed, ex	plain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site n	nap showing	sampling	y point lo	cations, transects,	important feat	ıres, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X	withir	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No X					
Remarks: Upland Soil						
Opiand Soil						
VEGETATION – Use scientific names of	plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:) 1.	% Cover	Species?	Status	Dominance Test wor		
2.	 ·			Number of Dominant Are OBL, FACW, or F		0 (A)
3.				Total Number of Dom		``
4				Across All Strata:		1 (B)
Capling/Charle Stratum /Dlataire		Total Cover		Percent of Dominant	•	00/ /A/D\
Sapling/Shrub Stratum (Plot size:1.	_)			Are OBL, FACW, or F	AC: 0.	.0% (A/B)
2.				Prevalence Index wo	orksheet:	
3.				Total % Cover of	f: Multi	ply by:
4.				'	0 x 1 =	0
5		Total Cover		· -) x2=) x3=	0
Herb Stratum (Plot size: 5)		Total Cover		· —		320
1. Bromus tectorum	15	No	UPL			00
2. Hordeum murinum	75	Yes	FACU	Column Totals: 10	00 (A) 4	20 (B)
3. Lactuca serriola	5	No	FACU	Prevalence Index	= B/A = <u>4.20</u>	
Onopordum acanthium 5.	5	No	UPL	Hydrophytic Vegetat	ion Indicators:	
-				Dominance Test i		
7.				Prevalence Index		
8.					aptations ¹ (Provide s	
		Total Cover			s or on a separate s	,
Woody Vine Stratum (Plot size:	_)				ophytic Vegetation ¹	` ' '
1. 2.				¹ Indicators of hydric s be present, unless dis		
		Total Cover		Hydrophytic	p. soloillat	
				Vegetation		
% Bare Ground in Herb Stratum 0 %	6 Cover of Biotic	Crust 0		Present? Yes	No_X	=
Remarks:						

SOIL Sampling Point: SP-06b

	• •	to the dept				ator or c	confirm the absenc	e of indicators	5.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	Type ¹	Loc ²	Texture		Remarks	
0-16			Color (moist)		Туре	LOC	Silt Loam		Remarks	
<u>U-10</u>	10YR 3/3	100					Silt Loain			
								_		
								_		
-	-							_		
1- 0.0										
• • •	oncentration, D=De					oated Sa			re Lining, M=Ma	
-	Indicators: (Applic	able to all L			•				matic Hydric S	OIIS":
Histosol			Sandy Red					m Muck (A9) (L		
	oipedon (A2)		Stripped M					m Muck (A10) (BB D)
Black His			Loamy Mu	-				•	//asses (F12) (L	KK D)
	n Sulfide (A4) I Layers (A5) (LRR	C)	Loamy Gle					duced Vertic (F	•	
	ck (A9) (LRR D)	C)	Depleted N Redox Dar		-			d Parent Materi ry Shallow Dark		
	l Below Dark Surfac	o (Δ11)	Depleted [, ,	١		ner (Explain in F		
	ark Surface (A12)	<i>(</i> A11)	Redox Dep			,		ici (Explaiii iii i	(ciriaiks)	
	lucky Mineral (S1)		RCGOX DC	710331011	3 (1 0)					
	leyed Matrix (S4)	3Indicator	rs of hydrophytic y	egetatio	n and we	etland hy	drology must be pre	sent unless dis	sturbed or probl	ematic
			,	-9						
Type:	_ayer (if observed) rock									
Depth (ir		16					Hydric Soil Prese	ant?	Yes	No X
Remarks:		10				J	Tiyano con i rese			<u> </u>
HYDROLO	GY									
Wetland Hyd	drology Indicators	:								
Primary India	cators (minimum of	one is requir	ed; check all that a	apply)			Second	dary Indicators ((minimum of two	o required)
Surface	Water (A1)		Salt Crust	` '				ater Marks (B1)		
	ter Table (A2)		Biotic Crus	t (B12)			Se	diment Deposit	s (B2) (Riverine	e)
Saturation			Aquatic Inv					ft Deposits (B3)		
	arks (B1) (Nonrive		Hydrogen		-			ainage Patterns	,	
	nt Deposits (B2) (No		Oxidized F			_		/-Season Water		
	osits (B3) (Nonrive	erine)	Presence			` '		ayfish Burrows (` '	(00)
	Soil Cracks (B6)	l	Recent Iro			illed Soil			on Aerial Image	ery (C9)
	on Visible on Aerial	imagery (B7						allow Aquitard (. ,	
	tained Leaves (B9)		Other (Exp	iain in r	(emarks)		FA	C-Neutral Test	(D5)	
Field Obser			Na V	Danth (0				
Surface Wat		es			nches):	0				
Water Table Saturation P		es			nches): _	0	Motland Usdra	lassy Dragont?	Vaa	No V
		es	NO A	Deptii (i	nches):		Wetland Hydro	logy Fresent?	Yes	No X
(includes cap	onded Data (strear	n dalide moi	nitoring well seris	nhotos	nrevious	s inspec	tions) if available:			
Pescine I/e	oorded Data (streat	ii gaage, iiloi	incoming well, aella	PHOLOS	, provious	o mapeo	aons, ii avallabie.			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow		Sampling Date: 11/09/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point: SP-07a
Investigator(s): Jessica Taylor		Section, Township, Ra	inge: T1N R28E S02	
Landform (hillside, terrace, etc.): Hilltop	Loca	l relief (concave, conv	ex, none): concave	Slope (%): 1
Subregion (LRR): LRR B Lat: 45.479364°		Long: -	119.398478°	Datum: NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 perce	ent slopes		NWI classific	cation: None
Are climatic / hydrologic conditions on the site typical f	or this time of yea	r? Yes X	No (If no, expl	ain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly distur	bed? Are "Normal C	Circumstances" present?	Yes X No
Are Vegetation, Soil, or Hydrology	naturally problema	atic? (If needed, ex	plain any answers in Rem	narks.)
SUMMARY OF FINDINGS – Attach site m	ap showing s	ampling point lo	cations, transects, i	mportant features, etc.
Hydric Soil Present? Yes X N	lo lo	Is the Sampled A within a Wetland		No
Remarks: Wetland soil. Water came to surface level after diggi		-		
VEGETATION – Use scientific names of p				
<u>Tree Stratum</u> (Plot size:)		minant Indicator ecies? Status	Dominance Test work	ksheet:
1			Number of Dominant S	
2.			Are OBL, FACW, or FA	AC: 1 (A)
3. 4.			Total Number of Domir Across All Strata:	nant Species 1 (B)
Sapling/Shrub Stratum (Plot size:1.	=Tota	al Cover	Percent of Dominant S Are OBL, FACW, or FA	•
2.			Prevalence Index wor	
3.			Total % Cover of:	
4 5.			OBL species 15 FACW species 80	
J	=Tota	al Cover	FAC species 5	
Herb Stratum (Plot size: 5)			FACU species 0	
Polypogon monspeliensis	80	Yes FACW	UPL species 0	x 5 = 0
2. Oenanthe sarmentosa	15	No OBL	Column Totals: 100	
3. Trifolium fragiferum	5	No FAC	Prevalence Index =	= B/A = <u>1.90</u>
4 5.			Hydrophytic Vegetation	
6.			X Dominance Test is	
7.			X Prevalence Index is	
8.				ptations ¹ (Provide supporting
		al Cover		s or on a separate sheet)
Woody Vine Stratum (Plot size:				phytic Vegetation ¹ (Explain)
1. 2.			¹ Indicators of hydric so be present, unless dist	il and wetland hydrology must
	=Tota	al Cover	Hydrophytic Vegetation Present? Yes	·
Remarks:		_	<u>-</u>	

SOIL Sampling Point: SP-07a

Profile Desc Depth	cription: (Describe to Matrix	to the dept		ument the x Feature		itor or c	confirm the absence of	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/2	100	Color (molec)		. , , ,		Silt Loam	Nomano
0-0	1011\2/2	100						
¹Type: C=C	oncentration, D=Depl	etion RM=I	Reduced Matrix (S=Cove	red or C	nated S	and Grains ² l oca	tion: PL=Pore Lining, M=Matrix.
	Indicators: (Applica					Jaleu Ja		s for Problematic Hydric Soils ³ :
Histosol	,	Die to all L	Sandy Re		oteu.,			Muck (A9) (LRR C)
	oipedon (A2)		Stripped M		3			Muck (A10) (LRR B)
Black His			Loamy Mu	•				Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-				ced Vertic (F18)
	l Layers (A5) (LRR C	1	Depleted I	-				Parent Material (F21)
	ck (A9) (LRR D)	,	Redox Da					Shallow Dark Surface (F22)
	l Below Dark Surface	· (A11)	Depleted [` '			(Explain in Remarks)
	rk Surface (A12)	(Д11)	Redox De					(Explain in Remarks)
	lucky Mineral (S1)		Nedox De	pressions	s (1 ⁻ 0)			
	leyed Matrix (S4)	³ Indicator	rs of hydronhytic y	enetation	and we	tland hy	rdrology must be prese	nt, unless disturbed or problematic.
	Layer (if observed):	maioator	o or riyaropriyao v	- cgctatioi	T dild WC	tiana ny	arology must be prese	Tit, unless distalbed of problematic.
Type:	Rock							
Depth (ir		6	_				Hydric Soil Present	? Yes X No
							11,4110 00111 1000110	. 100 <u>X</u> NO
Remarks: Soil problem	atic - Shallow							
•								
HYDROLO	GY							
_	drology Indicators:							
-	cators (minimum of o	ne is require						y Indicators (minimum of two required)
	Water (A1)		Salt Crust	` ,				r Marks (B1) (Riverine)
·	ter Table (A2)		Biotic Crus					nent Deposits (B2) (Riverine)
X Saturation	, ,		Aquatic In					Deposits (B3) (Riverine)
	arks (B1) (Nonriveri	•	Hydrogen					age Patterns (B10)
	t Deposits (B2) (Non	,	Oxidized F			_		eason Water Table (C2)
	oosits (B3) (Nonriver	ine)	Presence			,		ish Burrows (C8)
	Soil Cracks (B6)	(5.7)	Recent Iro			lled Soil		ation Visible on Aerial Imagery (C9)
	on Visible on Aerial Ir	nagery (B7)						ow Aquitard (D3)
	tained Leaves (B9)		Other (Exp	olain in R	emarks)		<u>X</u> FAC-	Neutral Test (D5)
Field Obser								
Surface Wat			No X	Depth (ir	· -	0		
Water Table			No X	Depth (ir	′ =	0		
Saturation P		s <u>X</u>	No	Depth (ir	nches):	6	Wetland Hydrolog	gy Present? Yes X No
(includes car							1	
Describe Re	corded Data (stream	gauge, mor	nitoring well, aeria	ıl photos,	previous	s inspec	tions), if available:	
Remarks:								
Remarks:								
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	(City/County: Morrov	V	Sampling Date:	11/09/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-07b
Investigator(s): Jessica Taylor	s	ection, Township, R	ange: T1N R28E S02		
Landform (hillside, terrace, etc.): Hilltop	Local	relief (concave, con	vex, none): <u>concave</u>	Slop	oe (%): <u>1</u>
Subregion (LRR): LRR B Lat: 45.479	364°	Long:	·119.398478°	Datum:	NAD83
Soil Map Unit Name: <u>63B: Valby silt loam, 1 to 7 </u> լ	percent slopes		NWI classi	fication: None	
Are climatic / hydrologic conditions on the site type	ical for this time of year	? Yes <u>X</u>	No (If no, ex	plain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly disturb	ed? Are "Normal	Circumstances" present?	Yes X No	0
Are Vegetation, Soil, or Hydrology_	naturally problema	tic? (If needed, e	xplain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site	e map showing sa	mpling point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the Sampled A	Area		
Hydric Soil Present? Yes	No X	within a Wetland	1? Yes	No X	
Wetland Hydrology Present? Yes	No <u>X</u>				
Remarks:					
Upland Soil					
VEGETATION – Use scientific names	of plants.			_	
	•	ninant Indicator			
Tree Stratum (Plot size:)	% Cover Spe	ecies? Status	Dominance Test wo		
1 2.			Number of Dominant Are OBL, FACW, or I	•	0 (A)
3.	<u> </u>		Total Number of Dom		(/,/
4.			Across All Strata:		2 (B)
	=Tota	l Cover	Percent of Dominant	•	
Sapling/Shrub Stratum (Plot size:)		Are OBL, FACW, or I	FAC: 0	0.0% (A/B)
1 2.			Prevalence Index w	orkshoot:	
3.			Total % Cover of		tiply by:
4.			OBL species	0 x 1 =	0
5			· · · · · · · · · · · · · · · · · · ·	0 x 2 =	0
Llorb Stratum (Diet size) 5	=Tota	I Cover		0 x 3 =	0
Herb Stratum (Plot size: 5) 1. Bromus tectorum	75 Y	res UPL	· —	0 x4 = 95 x5 =	<u>0</u> 475
2. Ericameria nauseosa		res UPL	·		475 (B)
3.			Prevalence Index		
4					
5.			Hydrophytic Vegeta		
6	 		Dominance Test Prevalence Index		
8.				daptations ¹ (Provide	supporting
	95 =Tota	l Cover	data in Remar	ks or on a separate	sheet)
Woody Vine Stratum (Plot size:			Problematic Hydi	rophytic Vegetation ¹	(Explain)
1. 2.			¹ Indicators of hydric s be present, unless dis		
	=Tota	l Cover	Hydrophytic	·	
9/ Para Cround in Hash Stratus 40	% Cover of Distin Com	ot 0	Vegetation	N- V	
% Bare Ground in Herb Stratum 10	% Cover of Biotic Cru	st 0	Present? Yes	No_X	
Remarks:					

SOIL Sampling Point: SP-07b

Depth	Matrix	to the deptr		x Featu		ator or c	confirm the absence	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-9	10YR 3/3	100	COIOI (IIIOISI)		Турс		Silt Loam	Remarks
0-9	10113/3	100					Olit Loani	
	,							
-								
¹ Type: C=C	oncentration, D=Dep	letion, RM=F	Reduced Matrix, (CS=Cove	ered or C	oated S	and Grains. ² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	ible to all LF	RRs, unless oth	erwise n	oted.)		Indicato	rs for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Re	dox (S5)			1 cm	Muck (A9) (LRR C)
Histic E	pipedon (A2)		Stripped N	//atrix (S	6)		2 cm	Muck (A10) (LRR B)
Black H	istic (A3)		Loamy Mu	icky Min	eral (F1)		Iron-	Manganese Masses (F12) (LRR D)
Hydroge	en Sulfide (A4)		Loamy Gl	eyed Ma	trix (F2)		Redu	uced Vertic (F18)
Stratifie	d Layers (A5) (LRR (:)	Depleted	Matrix (F	3)		Red	Parent Material (F21)
1 cm Mu	uck (A9) (LRR D)	•	Redox Da		-			Shallow Dark Surface (F22)
	d Below Dark Surface	e (A11)	Depleted		, ,)		r (Explain in Remarks)
	ark Surface (A12)	,	Redox De				 -	,
	/lucky Mineral (S1)				- ()			
	Gleyed Matrix (S4)	3Indicators	s of hydrophytic	/egetatio	n and we	tland hy	drology must be prese	ent, unless disturbed or problematic.
	• • • • • • • • • • • • • • • • • • • •		,			1		, a
	Layer (if observed):							
Type:	Rock	0	_				Undria Cail Drasan	42 Van Na V
Depth (i	nches).	9	_				Hydric Soil Presen	t?
	207							
HYDROLO	JGY							
_	drology Indicators:							
Primary Indi	cators (minimum of c	ne is require	ed; check all that	apply)				ry Indicators (minimum of two require
Surface	Water (A1)		Salt Crust	(B11)			Wate	er Marks (B1) (Riverine)
High Wa	ater Table (A2)		Biotic Cru	st (B12)			Sedi	ment Deposits (B2) (Riverine)
Saturati	on (A3)		Aquatic In	vertebra	tes (B13))	Drift	Deposits (B3) (Riverine)
Water M	larks (B1) (Nonriver	ine)	Hydrogen	Sulfide (Odor (C1)	Drair	nage Patterns (B10)
Sedime	nt Deposits (B2) (No	nriverine)	Oxidized I	Rhizosph	eres on l	Living R	oots (C3) Dry-9	Season Water Table (C2)
Drift De	posits (B3) (Nonrive	rine)	Presence	of Redu	ced Iron ((C4)	Cray	fish Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reduc	ction in Ti	lled Soil	s (C6)Satu	ration Visible on Aerial Imagery (C9)
Inundati	on Visible on Aerial I	magery (B7)	Thin Mucl	Surface	e (C7)		Shall	low Aquitard (D3)
Water-S	stained Leaves (B9)		Other (Ex	plain in F	Remarks)		FAC	-Neutral Test (D5)
Field Obser	vations:							
Surface Wat	ter Present? Ye	es	No X	Depth (i	inches):	0		
Water Table		es —	No X		nches):	0		
Saturation P		es	No X	. ,	inches):		Wetland Hydrolo	gy Present? Yes No X
	pillary fringe)			, ,	′ _		,	<u> </u>
	corded Data (stream	gauge, mon	itoring well, aeria	al photos	, previous	s inspec	tions), if available:	
	(2 3	5 5.,	J,	,			,,	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	City/County: Morrow		Sampling Date: 11/08/22
Applicant/Owner: NextEra Energy		State: OR	Sampling Point: SP-08a
Investigator(s): Jessica Taylor	Section, Township, Rar	nge: T1N R28E S02	
Landform (hillside, terrace, etc.): Hilltop	Local relief (concave, conve	ex, none): <u>concave</u>	Slope (%): <u>1</u>
Subregion (LRR): LRR B Lat: 45.479364°	Long: -1	19.398478°	Datum: NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 percent slo	oes	NWI classific	cation: None
Are climatic / hydrologic conditions on the site typical for this	time of year? Yes X	No (If no, expl	ain in Remarks.)
Are Vegetation, Soil, or Hydrologysignific	cantly disturbed? Are "Normal C	ircumstances" present?	Yes X No
Are Vegetation, Soil, or Hydrologynatura		olain any answers in Rem	· · · · · · · · · · · · · · · · · · ·
SUMMARY OF FINDINGS – Attach site map sh		ations, transects, i	mportant features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Ar	rea	
Hydric Soil Present? Yes X No		Yes X	No
Wetland Hydrology Present? Yes X No	_		
Remarks:			
Livestock pond with wetland fringe. 1 foot wide. Source is	a trough overflow, no outlet, berme	ed pond.	
VEGETATION - Here a destification and a factority			
VEGETATION – Use scientific names of plants	s. olute Dominant Indicator I		
	Cover Species? Status	Dominance Test work	sheet:
1		Number of Dominant S	pecies That
2		Are OBL, FACW, or FA	AC: 1 (A)
3		Total Number of Domin	
4	=Total Cover	Across All Strata:	1(B)
Sapling/Shrub Stratum (Plot size:)	Total Gover	Percent of Dominant Spare OBL, FACW, or FA	•
1.		, ,	
2.	[Prevalence Index wor	ksheet:
3		Total % Cover of:	Multiply by:
4		OBL species 0	x 1 = 0
5	=Total Cover	FACW species 25 FAC species 0	x = 2 = 50 x = 3 = 0
Herb Stratum (Plot size: 5)	10101 00101	FACU species 0	
	25 Yes FACW	UPL species 0	x 5 = 0
2		Column Totals: 25	(A) 50 (B)
3		Prevalence Index =	B/A = 2.00
4	— — —	Hydrophytic Vegetation	on Indicators:
6.		X Dominance Test is	
7.		X Prevalence Index is	
8.			ptations ¹ (Provide supporting
	25 =Total Cover		or on a separate sheet)
Woody Vine Stratum (Plot size:)			phytic Vegetation ¹ (Explain)
1		¹ Indicators of hydric soi be present, unless distu	il and wetland hydrology must
	=Total Cover	•	arbed of problematic.
_		Hydrophytic Vegetation	
% Bare Ground in Herb Stratum 75 % Cover	of Biotic Crust 0	Present? Yes_	X No
Remarks:			

SOIL Sampling Point: SP-08a

	ription: (Describe	to the depti				ator or c	confirm the abser	nce of indicators	5.)	
Depth (inches)	Matrix Color (moist)	<u></u> %	Color (moist)	x Featur		Loc ²	Texture		Remarks	
(inches)			Color (IIIolst)	<u>%</u>	Type ¹	LUC	-		Remarks	
0-3	10YR 2/1	100					Silt Loam			
-	1									
¹ Type: C=Co	oncentration, D=Dep	etion, RM=F	Reduced Matrix, C	S=Cove	ered or C	oated Sa	and Grains. ²	Location: PL=Po	ore Lining, M=M	latrix.
Hydric Soil	Indicators: (Applica	ble to all Li	RRs, unless othe	rwise n	oted.)		India	cators for Proble	matic Hydric S	Soils³:
Histosol	(A1)		Sandy Red	lox (S5)				1 cm Muck (A9) (I	LRR C)	
Histic Ep	pipedon (A2)		Stripped M	latrix (Se	3)		2	2 cm Muck (A10)	(LRR B)	
Black Hi	stic (A3)		Loamy Mu	cky Min	eral (F1)		١	ron-Manganese N	Masses (F12) (I	LRR D)
Hydroge	n Sulfide (A4)		Loamy Gle	yed Ma	trix (F2)		<u> </u>	Reduced Vertic (F	⁻ 18)	
Stratified	l Layers (A5) (LRR C	;)	Depleted N	∕latrix (F	3)			Red Parent Mater	ial (F21)	
1 cm Mu	ck (A9) (LRR D)		Redox Dar	k Surfac	ce (F6)		\	Very Shallow Darl	k Surface (F22))
Depleted	Below Dark Surface	e (A11)	Depleted [ark Sur	face (F7))	X	Other (Explain in	Remarks)	
Thick Da	rk Surface (A12)		Redox Dep	ression	s (F8)					
Sandy M	lucky Mineral (S1)									
Sandy G	leyed Matrix (S4)	³ Indicator	s of hydrophytic v	egetatio	n and we	tland hy	/drology must be μ	oresent, unless di	sturbed or prob	lematic.
Restrictive I	_ayer (if observed):									
Type:	Rock									
Depth (ir	nches):	3					Hydric Soil Pre	esent?	Yes X	No
Remarks:						I				
	Soils - Shallow									
HYDROLO	GY									
	drology Indicators:									
,	cators (minimum of c	no ie roquir	ad: chack all that	annly)			Soco	ondary Indicators	(minimum of tw	o required)
X Surface	•	ne is require	Salt Crust					Water Marks (B1)		<i>io</i> required)
	ter Table (A2)		Biotic Crus	` '				Sediment Deposit		۱۵)
Saturatio			Aquatic Inv		tos (B13)			Drift Deposits (B3		ie <i>)</i>
	arks (B1) (Nonriveri	no)	Hydrogen					Drainage Patterns		
	nt Deposits (B2) (No r		Oxidized R		-			Dry-Season Wate	, ,	
	oosits (B3) (Nonriver		Presence			_		Crayfish Burrows		
	Soil Cracks (B6)	iiie)	Recent Iro			, ,		Saturation Visible	` '	iony (CO)
	on Visible on Aerial I	magany (B7)				ileu Soii		Shallow Aquitard	_	ery (C9)
	tained Leaves (B9)	nagery (b7)	Other (Exp					FAC-Neutral Test		
			Other (Exp	nani in r	ciliai ks)		 '	AC-Neutral Test	(D3)	
Field Obser				D '' ''		_				
Surface Wat		s <u>X</u>			nches): _	5				
Water Table				Depth (i	′ -	0	l			
Saturation P		s <u>X</u>	No	Depth (i	ncnes): _	3	Wetland Hyd	rology Present?	Yes X	No
(includes cap										
Describe Re	corded Data (stream	gauge, mor	nitoring well, aeria	pnotos	, previous	s inspec	tions), it available	:		
Donamica										
Remarks:										
İ										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	,	Sampling Date:	11/08/22
Applicant/Owner: NextEra Energy		<u> </u>		State: OR	Sampling Point:	SP-08b
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	ange: T1N R28E S02		
Landform (hillside, terrace, etc.): Hilltop	L	ocal relief (co	ncave, conv	ex, none): <u>concave</u>	Slop	e (%):1_
Subregion (LRR): LRR B Lat: 45.47936	4°		Long: -	119.398478°	Datum:	NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 pe	rcent slopes			NWI classit	fication: None	
Are climatic / hydrologic conditions on the site typical	al for this time of	year?	Yes X	No (If no, exp	plain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly di	sturbed? A	re "Normal (Circumstances" present?	Yes X No	·
Are Vegetation, Soil, or Hydrology	naturally probl	ematic? (I	f needed, ex	plain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site	map showing	g sampling	g point lo	cations, transects,	important featu	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No X					
Remarks:						
Upland Plot						
VEGETATION – Use scientific names of	f plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test wo		
1	_			Number of Dominant Are OBL, FACW, or F		0 (A)
3.				Total Number of Dom		(,,)
4.				Across All Strata:		1 (B)
		Total Cover		Percent of Dominant	•	
Sapling/Shrub Stratum (Plot size:1.	_)			Are OBL, FACW, or F	AC: 0.	.0% (A/B)
				Prevalence Index wo	orksheet:	
3.				Total % Cover of		ply by:
4.				OBL species (0 x 1 =	0
5						0
Herb Stratum (Plot size: 5)	=	Total Cover				45 200
Herb Stratum (Plot size: 5) 1. Hordeum murinum	50	Yes	FACU	· —		0
Dipsacus fullonum	10	No	FAC			245 (B)
3. Xanthium strumarium	5	No	FAC	Prevalence Index		
4						
5.				Hydrophytic Vegetat		
6	<u> </u>			Dominance Test		
8.					aptations ¹ (Provide s	supporting
	65 =	Total Cover			s or on a separate s	
Woody Vine Stratum (Plot size:)			Problematic Hydr	ophytic Vegetation ¹	(Explain)
1. 2.				¹ Indicators of hydric s be present, unless dis		
	=	Total Cover		Hydrophytic	•	
% Bare Ground in Herb Stratum 0	% Cover of Biotic	: Crust 0		Vegetation Present? Yes	No X	
Remarks:	55.51 57 510110			1.000	X	<u>-</u>

SOIL Sampling Point: SP-08b

	ription: (Describe	to the depti				itor or o	confirm the absence	ot indicators.)
Depth (inches)	Matrix Color (moist)	0/		x Featur		Loc ²	Touture	Damarka
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	LOC	Texture	Remarks
0-1	10YR 3/2	100					Silt Loam	
			_					
			_					
¹ Type: C=Cd	oncentration, D=Dep	etion, RM=F	Reduced Matrix, C	S=Cove	red or Co	oated S	and Grains. ² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless othe	rwise n	oted.)		Indicato	rs for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Red	lox (S5)			1 cm	Muck (A9) (LRR C)
Histic Ep	ipedon (A2)		Stripped M	atrix (S6	5)		2 cm	Muck (A10) (LRR B)
Black His	stic (A3)		Loamy Mu	cky Mine	eral (F1)		Iron-	Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-				uced Vertic (F18)
Stratified	Layers (A5) (LRR C	;)	Depleted N	-			Red	Parent Material (F21)
1 cm Mu	ck (A9) (LRR D)		Redox Dar	k Surfac	e (F6)		Very	Shallow Dark Surface (F22)
Depleted	Below Dark Surface	e (A11)	Depleted D	ark Surf	ace (F7))	Othe	r (Explain in Remarks)
Thick Da	rk Surface (A12)		Redox Dep	ressions	s (F8)			
Sandy M	ucky Mineral (S1)							
Sandy G	leyed Matrix (S4)	³ Indicator	s of hydrophytic v	egetatio	n and we	tland hy	drology must be prese	ent, unless disturbed or problematic.
Restrictive I	_ayer (if observed):							
Type:	Rock							
Depth (ir		1	_				Hydric Soil Presen	t? Yes No_X_
Remarks:	,							
Remarks.								
HYDROLO	GY							
_	drology Indicators:						Casanda	
-	cators (minimum of o	ne is require						ry Indicators (minimum of two required)
	Water (A1)		Salt Crust	` '				er Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crus		(D40)			ment Deposits (B2) (Riverine)
Saturatio		>	Aquatic Inv		. ,			Deposits (B3) (Riverine)
	arks (B1) (Nonriveri		Hydrogen		` '			nage Patterns (B10)
	t Deposits (B2) (Nor		Oxidized R			_		Season Water Table (C2)
	osits (B3) (Nonriver	ine)	Presence of			-		fish Burrows (C8)
	Soil Cracks (B6)	(D7)	Recent Iro			lied Soli		ration Visible on Aerial Imagery (C9)
	on Visible on Aerial I	magery (B7)						low Aquitard (D3)
	tained Leaves (B9)		Other (Exp	iain in R	emarks)		FAC-	-Neutral Test (D5)
Field Observ				.				
Surface Water					nches):			
Water Table				Depth (in	· · ·	0		
Saturation P		s	No X	Depth (ii	nches):	0	Wetland Hydrolo	gy Present? Yes No X
(includes cap	<u> </u>						1	
Describe Red	corded Data (stream	gauge, mor	nitoring well, aeria	photos,	previous	sinspec	ctions), if available:	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow		Sampling Date:	11/08/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-09a
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	nge: T1S R28E S11		
Landform (hillside, terrace, etc.): Hilltop	Lc	ocal relief (co	ncave, conve	ex, none): concave	Slop	e (%): <u>1</u>
Subregion (LRR): LRR B Lat: 45.479364°			Long: <u>-1</u>	19.398478°	Datum:	NAD83
Soil Map Unit Name: 29F: Lickskillet-Rock outcrop com	plex, 40-70 pe	ercent slopes	5	NWI classifi	cation: None	
Are climatic / hydrologic conditions on the site typical for	r this time of y	/ear?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrologys	significantly dis	sturbed? A	re "Normal C	ircumstances" present?	Yes X No	'
Are Vegetation, Soil, or Hydrologyr	naturally proble	ematic? (I	f needed, exp	olain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site ma	p showing	sampling	g point loc	ations, transects,	important featu	ıres, etc.
Hydrophytic Vegetation Present? Yes X No)	Is the	Sampled Ar	ea		
Hydric Soil Present? Yes X No		withir	n a Wetland?	Yes X	No	
Wetland Hydrology Present? Yes X No						
Remarks:	low cottonwo	od stinging i	nottle luncus	con		
Riverine Wetland. Drainage narrows here. Coyote wil	iow, collonwo	oa, sunging i	iettie, Juricus	в врр.		
VEGETATION – Use scientific names of p	lants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 10)	% Cover	Species?	Status	Dominance Test wor		
1. Populus balsamifera 2.	5	Yes	<u>FAC</u>	Number of Dominant S Are OBL, FACW, or F.		3 (A)
3.				Total Number of Domi		<u> </u>
4.				Across All Strata:	•	3 (B)
	5 =	Total Cover		Percent of Dominant S	•	
Sapling/Shrub Stratum (Plot size: 10)	45	V	EA C)A/	Are OBL, FACW, or F.	AC: 100	0.0% (A/B)
Salix exigua 2.	15	Yes	<u>FACW</u>	Prevalence Index wo	rkshoot:	
3.				Total % Cover of		ply by:
4.				OBL species 90	x 1 =	90
5				FACW species 2:		50
Herb Stratum (Plot size: 10)	15=7	Total Cover		FAC species 10		30 0
Herb Stratum (Plot size: 10) 1. Nasturtium officinale	90	Yes	OBL	FACU species 0 UPL species 0		0
Juncus balticus	10	No	FACW	Column Totals: 12		70 (B)
3. Urtica dioica	5	No	FAC	Prevalence Index	= B/A = 1.36	
4.						
5 6.				Hydrophytic Vegetati		
7				X Dominance Test is X Prevalence Index		
8.					aptations ¹ (Provide s	supporting
	105 =7	Total Cover			s or on a separate s	,
Woody Vine Stratum (Plot size:)					ophytic Vegetation ¹	
1. 2.				¹ Indicators of hydric so be present, unless dis		
	=7	Total Cover		Hydrophytic	4	
				Vegetation		
	Cover of Biotic	Crust 0		Present? Yes	No	_
Remarks:						

SOIL Sampling Point: SP-09a

Profile Desc Depth	ription: (Describe t Matrix	to the dept		ument th x Feature		ator or c	confirm the absence of	of indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 2/1	100	Color (illoiot)		.) 0		Clay		
	10111 2/1	100					Oldy		
¹Type: C=Co	oncentration, D=Depl	etion. RM=I	Reduced Matrix. 0	CS=Cove	red or C	oated S	and Grains. ² Loca	ation: PL=Pore Lining, M=M	atrix.
	Indicators: (Applica							s for Problematic Hydric S	
Histosol			Sandy Re		,			Muck (A9) (LRR C)	
	pipedon (A2)		Stripped N		5)			Muck (A10) (LRR B)	
Black His			Loamy Mu	•				Manganese Masses (F12) (L	.RR D)
	n Sulfide (A4)		Loamy Gle	-				ced Vertic (F18)	,
	Layers (A5) (LRR C)	Depleted I	-				Parent Material (F21)	
	ck (A9) (LRR D)	•	Redox Da	•	,			Shallow Dark Surface (F22)	
	Below Dark Surface	(A11)	Depleted [` ')		r (Explain in Remarks)	
	ark Surface (A12)	, ,	Redox De		, ,			,	
	lucky Mineral (S1)		 '		` ,				
	leyed Matrix (S4)	³ Indicator	s of hydrophytic v	egetation	n and we	tland hy	drology must be prese	ent, unless disturbed or prob	lematic.
Restrictive I	_ayer (if observed):								
Type:	,								
Depth (ir	nches):						Hydric Soil Present	? Yes X	No
HYDROLO	ICV								
_	drology Indicators: cators (minimum of o	no is roquir	od: chock all that	annly)			Soconda	ry Indicators (minimum of tw	o roquirod)
X Surface	•	ne is require	Salt Crust					r Marks (B1) (Riverine)	<u>o requirea j</u>
	ter Table (A2)		Biotic Crus	,				ment Deposits (B2) (Riverin	<u>e)</u>
Saturation			Aquatic In		es (B13)	,		Deposits (B3) (Riverine)	٠,
	arks (B1) (Nonriveri i	ne)	X Hydrogen					age Patterns (B10)	
	it Deposits (B2) (Non		Oxidized F					Season Water Table (C2)	
	oosits (B3) (Nonriver	-	Presence			-		fish Burrows (C8)	
	Soil Cracks (B6)	,	Recent Iro	n Reduc	tion in Ti	lled Soil		ation Visible on Aerial Imag	ery (C9)
	on Visible on Aerial Ir	magery (B7)						ow Aquitard (D3)	, ,
	tained Leaves (B9)		Other (Exp					Neutral Test (D5)	
Field Obser	vations:								
Surface Wat		s X	No	Depth (ir	nches):	8			
Water Table			No X	Depth (ir	· -	0			
Saturation P	resent? Ye	s X	No	Depth (ir	′ =	16	Wetland Hydrolog	gy Present? Yes X	No
(includes cap	oillary fringe)				_				
Describe Re	corded Data (stream	gauge, mor	nitoring well, aeria	l photos,	previous	s inspec	tions), if available:		
Remarks:									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	,	Sampling Date:	11/08/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-09b
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	ange: T1S R28E S11		
Landform (hillside, terrace, etc.): Hilltop	Lo	ocal relief (co	ncave, conv	ex, none): <u>concave</u>	Slop	e (%):1
Subregion (LRR): LRR B Lat: 45.479364	1°		Long: -	119.398478°	Datum:	NAD83
Soil Map Unit Name: 29F: Lickskillet-Rock outcrop c	omplex, 40-70 pe	ercent slopes	3	NWI classif	ication: None	
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly dis	sturbed? A	re "Normal (Circumstances" present?	Yes X No	·
Are Vegetation, Soil, or Hydrology	_naturally proble	ematic? (I	f needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site n	nap showing	sampling	g point lo	cations, transects,	important feat	ıres, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
Hydric Soil Present? Yes	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No <u>X</u>					
Remarks:						
On steep hill.						
VEGETATION – Use scientific names of	plants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:) 1.	% Cover	Species?	Status	Dominance Test wor		
2.				Number of Dominant Are OBL, FACW, or F		1 (A)
3.				Total Number of Dom		``
4				Across All Strata:	·	2 (B)
Capling/Charle Stratum /Dlataire		Total Cover		Percent of Dominant	•	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Sapling/Shrub Stratum (Plot size:1.	_'			Are OBL, FACW, or F	AC. 50	0.0% (A/B)
2.				Prevalence Index wo	orksheet:	
3.				Total % Cover of	f: Multi	ply by:
4.				· -) x 1 =	0
5		Total Cover				0
Herb Stratum (Plot size: 5)		Total Cover		· -		80
1. Dipsacus fullonum	35	Yes	FAC		5 x 5 = 2	225
2. Ericameria nauseosa	15	No	UPL	Column Totals: 10	00 (A) 4	110 (B)
3. Achillea millefolium	10	No	FACU	Prevalence Index	= B/A = 4.10	
Bromus diandrus Bromus tectorum		Yes No	UPL UPL	Hydrophytic Vegetat	ion Indicators:	
6. Bromus hordeaceus	10	No	FACU	Dominance Test i		
7.				Prevalence Index		
8					aptations¹ (Provide s	
		Total Cover			s or on a separate s	-
Woody Vine Stratum (Plot size:	_)				ophytic Vegetation ¹	` ' '
1. 2.				¹ Indicators of hydric s be present, unless dis		
	=	Total Cover		Hydrophytic	'	
				Vegetation		
	Cover of Biotic	Crust 0		Present? Yes	No_X	
Remarks:						

SOIL Sampling Point: SP-09b

	ription: (Describe t	o the depth				ator or c	confirm the abs	ence of indicat	ors.)	
Depth (inches)	Matrix Color (moist)	<u></u> %		x Featur		Loc ²	Toyture		Domorko	
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	LOC	Texture Silt Loam	1	Remarks	
0-16	10YR 3/3	100						<u> </u>		
			_				•			
							-			
1								2		
,,	ncentration, D=Depl					oated Sa			Pore Lining, M=N	
_	ndicators: (Applica	ble to all Li	•		•		Ind		blematic Hydric	Soils":
Histosol (•		Sandy Red					1 cm Muck (A9		
	pedon (A2)		Stripped M	`	,			2 cm Muck (A1		(I DD D)
Black His			Loamy Mu	-				_	se Masses (F12) (LKK D)
	Sulfide (A4)		Loamy Gle	-				Reduced Vertic	` ,	
	Layers (A5) (LRR C ck (A9) (LRR D))	Depleted N					Red Parent Ma	nteriai (F21) Dark Surface (F22	١١.
	Below Dark Surface	(444)	Redox Dar						,	.)
l ——	rk Surface (A12)	(A11)	Depleted D)		Other (Explain	in Remarks)	
	ucky Mineral (S1)		Redox Dep	16221011	S (FO)					
	eyed Matrix (S4)	3Indicator	s of hydrophytic v	ogototio	n and wa	stland by	drology must be	procent unless	disturbed or pro	hlomatic
		maioator	3 of Hydrophlytic v	egetatio	ii and we	dana ny	raiology mast be	present, uniesc	s disturbed or pro	Dicinatio.
	ayer (if observed):									
Type:	ahaa\.		_				Undria Cail D	raaant?	Vaa	No. V
Depth (in	cnes).		_				Hydric Soil Pi	resent?	Yes	No X
HYDROLO	GY									
Wetland Hyd	rology Indicators:									
_	ators (minimum of o	ne is require	ed; check all that a	apply)			Sec	condary Indicate	ors (minimum of t	wo required)
Surface V	Vater (A1)		Salt Crust	(B11)				Water Marks (I	B1) (Riverine)	
High Wat	er Table (A2)		Biotic Crus	t (B12)				Sediment Depo	osits (B2) (Riveri	ne)
Saturatio	n (A3)		Aquatic Inv	ertebra	tes (B13))		Drift Deposits ((B3) (Riverine)	
Water Ma	arks (B1) (Nonriveri	ne)	Hydrogen :	Sulfide (Odor (C1)		Drainage Patte	erns (B10)	
Sedimen	Deposits (B2) (Non	riverine)	Oxidized R	hizosph	eres on l	Living R	oots (C3)	_Dry-Season W	ater Table (C2)	
Drift Dep	osits (B3) (Nonriver	ine)	Presence of	of Reduc	ced Iron ((C4)		Crayfish Burro	` '	
	Soil Cracks (B6)		Recent Iro			lled Soil	s (C6)	_Saturation Visi	ble on Aerial Ima	gery (C9)
Inundatio	n Visible on Aerial Ir	nagery (B7)						Shallow Aquita	` '	
Water-St	ained Leaves (B9)		Other (Exp	lain in F	Remarks)		<u></u>	FAC-Neutral T	est (D5)	
Field Observ	ations:									
Surface Water	er Present? Ye	s		Depth (i	nches):	8				
Water Table		s			nches): _	0				
Saturation Pr	esent? Ye	s	No X	Depth (i	nches): _	16	Wetland Hy	drology Preser	nt? Yes	No X
(includes cap										
Describe Rec	orded Data (stream	gauge, mor	nitoring well, aeria	photos	, previous	s inspec	tions), if availabl	e:		
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	City/Co	ounty: Morrow	V	Sampling Date:	11/08/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-10a
Investigator(s): Jessica Taylor	Section	, Township, Ra	ange: T1S R28E S10		
Landform (hillside, terrace, etc.): Hilltop	Local relief (concave, con	vex, none): <u>concave</u>	Slop	e (%): <u>1</u>
Subregion (LRR): LRR B Lat: 45.479364°		Long:	119.398478°	Datum:	NAD83
Soil Map Unit Name: 29F: Lickskillet-Rock outcrop complex, 40	to 70 percent sl	lopes	NWI classifi	cation: None	
Are climatic / hydrologic conditions on the site typical for this tir	me of year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrologysignificant	ntly disturbed?	Are "Normal	Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrologynaturally	problematic?	(If needed, ex	xplain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site map sho	wing sampli	ng point lo	cations, transects,	important featı	ures, etc.
Hydrophytic Vegetation Present? Yes X No	ls t	he Sampled A	Area		
Hydric Soil Present? Yes X No		hin a Wetland		No	
Wetland Hydrology Present? Yes X No					
Remarks:					
Riverine Wetland					
VEGETATION – Use scientific names of plants.					
Absol	ute Dominant	Indicator			
Tree Stratum (Plot size:) % Co	ver Species?	Status	Dominance Test wor	ksheet:	
1			Number of Dominant S Are OBL, FACW, or Fa		2 (A)
3.			Total Number of Domi	nant Species	
4			Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 10)	=Total Cove	r	Percent of Dominant S Are OBL, FACW, or FA	•	0.0% (A/B)
1. Salix exigua (Fiot size. 10)	Yes	FACW	Ale OBL, LACW, OLL	10. <u>10.</u>	0.0 % (A/B)
2.			Prevalence Index wo	rksheet:	
3.			Total % Cover of:	Multi	ply by:
4			OBL species 80		80
5 5	=Total Cove	<u> </u>	FACW species 5 FAC species 0		<u>10</u> 0
Herb Stratum (Plot size: 10)	Total Cove	ı	FACU species 0		0
1. Nasturtium officinale 80	Yes	OBL	UPL species 0	x 5 =	0
2.			Column Totals: 85	5 (A)	90 (B)
3			Prevalence Index :	= B/A = <u>1.06</u>	<u> </u>
4			Hydrophytic Vegetati	on Indicators:	
6.			X Dominance Test is		
7.			X Prevalence Index		
8.				aptations¹ (Provide s	
80	=Total Cove	r		s or on a separate s	•
Woody Vine Stratum (Plot size:)				pphytic Vegetation ¹	` ' '
1			¹ Indicators of hydric so be present, unless dist		
	=Total Cove	r	Hydrophytic		· ·
			Vegetation		
% Bare Ground in Herb Stratum 20 % Cover of	Biotic Crust	0	Present? Yes	No	_
Remarks:					

SOIL Sampling Point: SP-10a

Profile Desc Depth	ription: (Describe Matrix	to the dep		ument th x Featur		tor or o	confirm the a	bsence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	ire	Remarks	
0-11	10YR 3/2	70	7.5YR 4/6	30			Silt Lo			
	-									
·										
										_
	oncentration, D=Dep					oated S			on: PL=Pore Lining, M=Ma	
1 -	ndicators: (Applica	ible to all L			oted.)				for Problematic Hydric So	oils³:
Histosol	` '		Sandy Red		• •		-		uck (A9) (LRR C)	
	ipedon (A2)		Stripped M	•	•		-		uck (A10) (LRR B)	DD D\
Black His	n Sulfide (A4)		Loamy Mu Loamy Gle	-			-		inganese Masses (F12) (L l	KK D)
	Layers (A5) (LRR C	•1	X Depleted N	•	` '		-		ed Vertic (F18) rent Material (F21)	
	ck (A9) (LRR D)	•)	Redox Dar	•	•		-		nallow Dark Surface (F22)	
	Below Dark Surface	e (A11)	Depleted [` '	1	-		Explain in Remarks)	
	rk Surface (A12)	, , , , ,	Redox Dep				-			
	ucky Mineral (S1)				- ()					
	leyed Matrix (S4)	³ Indicato	rs of hydrophytic v	egetatio	n and we	tland hy	drology must	be present	, unless disturbed or proble	ematic.
Restrictive L	ayer (if observed):									
Type:	Rock									
Depth (in	iches):	11					Hydric Soi	I Present?	Yes X	No
HYDROLO	GY									
_	drology Indicators:									
	ators (minimum of c	ne is requi						-	Indicators (minimum of two	required)
X Surface \	` '		Salt Crust	` '			-		Marks (B1) (Riverine)	
X Saturatio	ter Table (A2)		Biotic Crus	, ,	oo (P12)		-		ent Deposits (B2) (Riverine))
	arks (B1) (Nonriveri	ne)	Aquatic In Hydrogen		, ,		-		posits (B3) (Riverine) ge Patterns (B10)	
	t Deposits (B2) (Nor		Oxidized F		-		oots (C3)		ason Water Table (C2)	
	osits (B3) (Nonriver		Presence			_			n Burrows (C8)	
	Soil Cracks (B6)	-,	Recent Iro			,	ls (C6)		ion Visible on Aerial Image	ery (C9)
	on Visible on Aerial I	magery (B7					` ′		Aquitard (D3)	, ,
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		-	X FAC-Ne	eutral Test (D5)	
Field Observ	vations:									
Surface Water	er Present? Ye	s X	No	Depth (i	nches): _	3				
Water Table				Depth (i	′ =	0				
Saturation Pr		s X	No	Depth (i	nches):	0	Wetland	Hydrology	Present? Yes X	No
(includes cap										
Describe Red	corded Data (stream	gauge, mo	onitoring well, aeria	l photos,	previou	sinspec	tions), if avai	lable:		
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	C	ity/County: Morrow		Sampling Date:	11/08/22
Applicant/Owner: NextEra Energy		1	State: OR	Sampling Point:	SP-10b
Investigator(s): Jessica Taylor	Se	ection, Township, Rai	nge: T1S R28E S10		
Landform (hillside, terrace, etc.): Hilltop	Local r	elief (concave, conve	ex, none): <u>concave</u>	Slop	e (%):1_
Subregion (LRR): LRR B Lat: 45.479364°		Long: <u>-1</u>	19.398478°	Datum:	NAD83
Soil Map Unit Name: 29F: Lickskillet-Rock outcrop comple	ex, 40 to 70 perc	ent slopes	NWI classif	ication: None	
Are climatic / hydrologic conditions on the site typical for the	his time of year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrologysign	nificantly disturbe	ed? Are "Normal C	ircumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrologynat	urally problemati	c? (If needed, exp	olain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site map	showing sar	mpling point loc	ations, transects,	important featu	ures, etc.
Hydrophytic Vegetation Present? Yes No	Х	Is the Sampled Ar	ea		
Hydric Soil Present? Yes No	X	within a Wetland?	Yes	No X	
Wetland Hydrology Present? Yes No _	X				
Remarks:					
Upland Site					
VEGETATION – Use scientific names of pla	nts.				
		inant Indicator	Dominanas Tost was	drahaati	
Tree Stratum (Plot size:))	% Cover Spe	cies? Status	Number of Dominant		
2.			Are OBL, FACW, or F		0 (A)
3.			Total Number of Dom	inant Species	
4			Across All Strata:		1 (B)
Sapling/Shrub Stratum (Plot size:)	=Total	Cover	Percent of Dominant S Are OBL, FACW, or F	•	0% (A/B)
1.			AIE OBL, I ACW, OI I	<u> </u>	(A/B)
2.			Prevalence Index wo	orksheet:	
3.			Total % Cover of	: Multi	ply by:
4			OBL species 0		0
5	=Total	Cover	FACW species (0
Herb Stratum (Plot size: 5)	10141	00101			40
Bromus tectorum	90 Y	es UPL	UPL species 9	0 x 5 = 4	·50
2. Lactuca serriola	10 N	lo FACU	Column Totals: 10	``	.90 (B)
3			Prevalence Index	= B/A = <u>4.90</u>	
4 5.			Hydrophytic Vegetat	ion Indicators:	
6.			Dominance Test i		
7.			Prevalence Index	is ≤3.0 ¹	
8				aptations ¹ (Provide s	
- (District	100 =Total	Cover		s or on a separate s	•
Woody Vine Stratum (Plot size:) 1				ophytic Vegetation ¹	
2.			¹ Indicators of hydric so be present, unless dis		
	=Total	Cover	Hydrophytic	•	
	(B) 5		Vegetation		
	er of Biotic Crus	t <u>0</u>	Present? Yes	No X	=
Remarks:					

SOIL Sampling Point: SP-10b

Profile Desc Depth	ription: (Describe	to the dept		ı ment th k Featur		tor or o	confirm the absen	ce of indicators	5.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-14	10YR 3/2	100	Color (molor)		Туро		Silt Loam		rtomanto	
<u>U-14</u>	10113/2	100					- Citt Eddin			
								_		
								<u> </u>		
								<u> </u>		
¹ Type: C=Cc	oncentration, D=Depl	etion RM=	Reduced Matrix C	S=Cove	red or C	2 beten	and Grains ² I	ocation: PL=Po	relining M=M	latriy
	ndicators: (Applica					oaleu o		ators for Proble		
Histosol	,	to u =	Sandy Red		otou.,			cm Muck (A9) (I	-	
	ipedon (A2)		Stripped M		3)			cm Muck (A10)		
Black His			Loamy Mu	,	,			on-Manganese N		RR D)
	n Sulfide (A4)		Loamy Gle					educed Vertic (F		
	Layers (A5) (LRR C	:)	Depleted N	-				ed Parent Mater	-	
	ck (A9) (LRR D)	,	Redox Dar					ery Shallow Darl	` ,)
	Below Dark Surface	(Δ11)	Depleted D		, ,			ther (Explain in I		,
	rk Surface (A12)	, (, , , , ,	Redox Dep				<u> </u>	anor (Explain in)	tomano,	
	ucky Mineral (S1)				J (1 J)					
Sandy Gleyed Matrix (S4) 3Indicators of hydrophytic vegetation and w						tland h	drology must be pr	esent unless di	sturbed or prob	lematic
	_ayer (if observed):		,	- 3						
Type:	-ayer (ii observed).									
Depth (in	ochoc).						Hydric Soil Pres	ont?	Yes	No X
Remarks:							Tryunc Con 1 1es	, citti		<u> </u>
HYDROLO										
_	drology Indicators:									
	ators (minimum of o	ne is requir						ndary Indicators	•	vo required)
	Water (A1)		Salt Crust	` '				/ater Marks (B1)	,	
·	ter Table (A2)		Biotic Crus		(5.46)			ediment Deposit		ie)
Saturatio	, ,		Aquatic Inv		, ,			rift Deposits (B3		
	arks (B1) (Nonriveri		Hydrogen		•			rainage Patterns		
	t Deposits (B2) (Nor		Oxidized R			_		ry-Season Wate		
	osits (B3) (Nonriver	ine)	Presence of			,		rayfish Burrows	` '	(CO)
	Soil Cracks (B6)	/D7	Recent Iro			lied Soli	• • —	aturation Visible	-	jery (C9)
	on Visible on Aerial II	nagery (B7						hallow Aquitard	` '	
	tained Leaves (B9)		Other (Exp	iain in R	emarks)		F/	AC-Neutral Test	(D5)	
Field Observ										
Surface Water				Depth (i	′ =	0				
Water Table				Depth (i	′ =	0	M-4		V-	Ni. Y
Saturation Pr		s	No X	Depth (i	nches): _	0	Wetland Hydro	ology Present?	Yes	No X
(includes cap										
Describe Red	corded Data (stream	gauge, mo	nitoring well, aeria	pnotos,	previous	s inspec	cuons), if available:			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	,	Sampling Date:	11/16/22
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-11a
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	ange: T1S R28E S07		
Landform (hillside, terrace, etc.): Hilltop	l	_ocal relief (co	ncave, conv	rex, none): concave	Slop	e (%): <u>1</u>
Subregion (LRR): LRR B Lat: 45.479364°)		Long:	119.398478°	Datum:	NAD83
Soil Map Unit Name: 65: Onyx Silt Loam				NWI classifi	cation: None	
Are climatic / hydrologic conditions on the site typical f	for this time of	year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly d	listurbed? A	re "Normal (Circumstances" present?	Yes X No	'
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (I	f needed, ex	xplain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site m	ap showin	g sampling	g point lo	cations, transects,	important featı	ıres, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the	Sampled A	ırea		
	lo		n a Wetland		No	
Wetland Hydrology Present? Yes X N	lo					
Remarks:		., .				
Little Butter Creek: perennial stream with wetland/riv	erine wetland.	Veg promine	nt in spring.	In fall looks more like per	ennial waterway.	
VEGETATION – Use scientific names of p	nlants					
VEGETATION - 03c 3cicnume names of p	Absolute	Dominant	Indicator	1		
Tree Stratum (Plot size: 5)	% Cover	Species?	Status	Dominance Test wor	ksheet:	
Populus balsamifera 2.	5	Yes	FAC	Number of Dominant S	•	O (A)
3.				Are OBL, FACW, or Factor Total Number of Domi		2 (A)
4.				Across All Strata:	•	2 (B)
	5 =	Total Cover		Percent of Dominant S	Species That	
Sapling/Shrub Stratum (Plot size:	.)			Are OBL, FACW, or FA	AC: <u>100</u>	0.0% (A/B)
1				Blana lada		
2. 3.				Prevalence Index wo Total % Cover of:		ply by:
4.				OBL species 0		0
5.				FACW species 80) x 2 = 1	60
	=	=Total Cover		FAC species 20		60
Herb Stratum (Plot size: 5) 1. Phalaris arundinacea	80	Yes	FACW	FACU species 0 UPL species 0		0
Urtica dioica	10	No	FAC	Column Totals: 10		220 (B)
Clematis ligusticifolia	5	No	FAC	Prevalence Index =	· ·	
4.						
5.				Hydrophytic Vegetati		
6. 7.				X Dominance Test is X Prevalence Index		
7. 8.					aptations ¹ (Provide s	supportina
		Total Cover			s or on a separate s	
Woody Vine Stratum (Plot size:	1 -			Problematic Hydro	phytic Vegetation ¹	(Explain)
1.				¹ Indicators of hydric so		
2	· -	Total Cover		be present, unless dist	urbed or problemat	IC.
		. 5.61 55761		Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 10 %	Cover of Bioti	c Crust 0			X No	_
Remarks:						

SOIL Sampling Point: SP-11a

	• `	to the depti				ator or c	onfirm the absence	of indicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	Type ¹	Loc ²	Texture	Remarks	
			Color (Illoist)		туре	LOC	Sandy Loam	Remarks	
0-4	10YR 3/1	100	-				Januy Loani		
		<u> </u>							
	-								
								_	
• • •	oncentration, D=Dep					oated Sa		ation: PL=Pore Lining, M=Matr	
-	Indicators: (Applic	able to all Li						rs for Problematic Hydric Soi	ils³:
Histosol			Sandy Red					Muck (A9) (LRR C)	
	pipedon (A2)		Stripped M					n Muck (A10) (LRR B)	
Black Hi			Loamy Mu	-				Manganese Masses (F12) (LR	R D)
	n Sulfide (A4)	_,	Loamy Gle					uced Vertic (F18)	
	Layers (A5) (LRR	C)	Depleted N		-			Parent Material (F21)	
	ick (A9) (LRR D)	(4.44)	Redox Dar		. ,			Shallow Dark Surface (F22)	
	Below Dark Surfac	e (A11)	Depleted [)	X Othe	er (Explain in Remarks)	
	ark Surface (A12)		Redox Dep						
	Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) 3Indicators of hydrophytic vegetation and wetland h								4: .
			s of nyaropnytic v	egetatio	n and we	tiand ny	arology must be pres	ent, unless disturbed or probler	natic.
	Layer (if observed)								
Type:	Rock		_						
Depth (ir	nches):	4					Hydric Soil Presen	t? Yes <u>X</u> I	No
Remarks:									
Problematic	Soil - Shallow								
LIVEROLO	.C.V								
HYDROLO									
•	drology Indicators								
-	cators (minimum of	one is require						ry Indicators (minimum of two r	required)
	Water (A1)		Salt Crust	` ,				er Marks (B1) (Riverine)	
	iter Table (A2)		Biotic Crus					ment Deposits (B2) (Riverine)	
X Saturation	` '		Aquatic Inv					Deposits (B3) (Riverine)	
	arks (B1) (Nonrive		Hydrogen					nage Patterns (B10)	
	nt Deposits (B2) (No		Oxidized R			_	, , <u> </u>	Season Water Table (C2)	
	oosits (B3) (Nonrive	rine)	Presence					fish Burrows (C8)	(00)
	Soil Cracks (B6)	l (D.7)	Recent Iro			lied Soil		ration Visible on Aerial Imagery	y (C9)
	on Visible on Aerial	Imagery (B7)						low Aquitard (D3)	
	tained Leaves (B9)		Other (Exp	lain in F	(emarks		X FAC	-Neutral Test (D5)	
Field Obser						_			
Surface Wat		es		Depth (i	′ –	0			
Water Table		es		Depth (i	′ =	0			
Saturation P		es X	No	Depth (i	ncnes): _	4	wetland Hydrolo	gy Present? Yes X	No
(includes cap			Mandan I I I I I I I I I I I I I I I I I I I	- 4 - ما ما			Name V of access to be a		
Describe Re	corded Data (strean	ı gauge, mor	ilioring well, aeria	i pnotos	, previous	s inspec	uons), it available:		
Remarks:									
i temains.									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	(City/County: Morrov	v	Sampling Date:	11/16/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-11b
Investigator(s): Jessica Taylor	S	ection, Township, R	ange: T1S R28E S07		
Landform (hillside, terrace, etc.): Hilltop	Local	relief (concave, con	vex, none): <u>concave</u>	Slop	e (%):1_
Subregion (LRR): <u>LRR B</u> Lat: <u>45.479364</u>	•	Long:	-119.398478°	Datum:	NAD83
Soil Map Unit Name: 65: Onyx Silt Loam			NWI classif	ication: None	
Are climatic / hydrologic conditions on the site typical	for this time of year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrology	_significantly disturb	ed? Are "Normal	Circumstances" present?	Yes X No	'
Are Vegetation, Soil, or Hydrology	_naturally problemat	ic? (If needed, e	xplain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site m	nap showing sa	mpling point lo	cations, transects,	important featu	ıres, etc.
Hydrophytic Vegetation Present? Yes I	No X	Is the Sampled A	Area		
	No X	within a Wetland	d? Yes	No X	
Wetland Hydrology Present? Yes	No <u>X</u>				
Remarks: Upland Soil					
opiand soil					
VEGETATION – Use scientific names of	plants.				
Troc Stratum (Diet size)		ninant Indicator	Dominanas Tast was	drahaat.	
Tree Stratum (Plot size:) 1.	% Cover Spe	cies? Status	Dominance Test wor Number of Dominant		
2.			Are OBL, FACW, or F		0 (A)
3.			Total Number of Domi	nant Species	
4			Across All Strata:		1 (B)
Sapling/Shrub Stratum (Plot size:		Cover	Percent of Dominant S Are OBL, FACW, or F	•	.0% (A/B)
1	_'		Ale OBL, FACW, of F	AC. <u>0.</u>	<u>070</u> (A/B)
2.			Prevalence Index wo	rksheet:	
3.			Total % Cover of	: Multi	ply by:
4.			OBL species 0		0
5		Cover	FACW species C		0
Herb Stratum (Plot size: 5)		Cover			20
1. Bromus tectorum	80 Y	es UPL	UPL species 8	0 x 5 = 4	100
2. Lactuca serriola	5 1	No FACU	Column Totals: 8	5 (A) 4	20 (B)
3. Amsinckia	20 1	No	Prevalence Index	= B/A = <u>4.94</u>	
4 5.			Hydrophytic Vegetat	ion Indicators:	
6.			Dominance Test i		
7.			Prevalence Index		
8.				aptations ¹ (Provide s	
		Cover		s or on a separate s	•
Woody Vine Stratum (Plot size:	_)			ophytic Vegetation ¹	
1. 2.			¹ Indicators of hydric so be present, unless dis		
	=Total	Cover	Hydrophytic		
	_		Vegetation		
% Bare Ground in Herb Stratum 0 %	Cover of Biotic Crus	st 0	Present? Yes	NoX	_
Remarks:					

SOIL Sampling Point: SP-11b

	ription: (Describe t	o the depti				ator or c	confirm the abse	ence of indicator	S.)	
Depth (inches)	Matrix Color (moist)	<u> </u>	Color (moist)	x Featur		Loc ²	Texture		Remarks	
			Color (ITIOISI)		Type ¹	LUC	Silt Loam		Remarks	
0-16	10YR 3/4	100					- Silt Loain			—
										_
										_
										—
17		- 4i DM - I	Double of Matrix C			44-0		21	and District NA Madeir	—
	ncentration, D=Depl					oated Sa			ore Lining, M=Matrix.	
_	ndicators: (Applica	DIE 10 AII LI	•		,		ina		ematic Hydric Soils ³ :	
Histosol (pedon (A2)		Sandy Red Stripped M					1 cm Muck (A9) (2 cm Muck (A10)		
				,	,			•		
Black His	Sulfide (A4)		Loamy Mu Loamy Gle	-				Reduced Vertic (Masses (F12) (LRR D)	
	Layers (A5) (LRR C	١	Depleted N	-				Reduced Vertic (,	
	ck (A9) (LRR D)	,	Redox Dar					Very Shallow Da		
	Below Dark Surface	(Δ11)	Depleted [١		Other (Explain in	, ,	
l —	rk Surface (A12)	(117)				'		- Caron (Explaint III	romano,	
	Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1)									
Sandy Mideky Millerar (31) Sandy Gleyed Matrix (S4) 3Indicators of hydrophytic vegetation and wetland hydrology m							drology must be	present unless d	listurbed or problematic	
			,	-3						
Type:	ayer (if observed):									
Depth (in	chee).						Hydric Soil Pr	rosont?	Yes No	Y
Remarks:						J	Tiyane con 11	escrit:	16310	$\stackrel{\sim}{=}$
HYDROLO	GY									
Wetland Hyd	rology Indicators:									
Primary Indic	ators (minimum of o	ne is require	ed; check all that a	apply)			Sec	condary Indicators	(minimum of two requir	ed)
Surface V	Vater (A1)		Salt Crust	(B11)				Water Marks (B1) (Riverine)	
High Wat	er Table (A2)		Biotic Crus	t (B12)				Sediment Depos	its (B2) (Riverine)	
Saturation	n (A3)		Aquatic Inv	/ertebra	tes (B13))		Drift Deposits (B	3) (Riverine)	
Water Ma	arks (B1) (Nonriveri	ne)	Hydrogen			-		Drainage Pattern	s (B10)	
Sediment	Deposits (B2) (Nor	riverine)	Oxidized F			-	oots (C3)	Dry-Season Wate		
	osits (B3) (Nonriver	ine)	Presence		,	` '		Crayfish Burrows	` '	
	Soil Cracks (B6)		Recent Iro			lled Soil	s (C6)	-	e on Aerial Imagery (C9)	
	n Visible on Aerial Ir	nagery (B7)						Shallow Aquitard	` '	
Water-Sta	ained Leaves (B9)		Other (Exp	lain in F	Remarks)		_	FAC-Neutral Tes	t (D5)	
Field Observ										
Surface Wate					inches): _	0				
Water Table I		s			nches): _	0	l			
Saturation Pro		s	No X	Depth (i	nches):	0	Wetland Hy	drology Present?	? Yes No	<u>X</u>
(includes cap							4: > :£:! -			
Describe Rec	orded Data (stream	gauge, mor	nitoring well, aeria	pnotos	, previous	s inspec	tions), if available	e:		
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	C	City/County: Morrow Sampling Date: 10/					
Applicant/Owner: Next Era Energy			State: OR	Sampling Point: SP-	-13A		
Investigator(s): Jessica Taylor	Se	ection, Township, Ra	ange: T1S R27E S13				
Landform (hillside, terrace, etc.): Slope	Local r	elief (concave, conv	ex, none): none	Slope (%):	15		
Subregion (LRR): LRR B Lat: 45.479364	ļ°	Long:	119.398478°	Datum: NAD8	33		
Soil Map Unit Name: 28E: Lickskillet very stony loam	, 7 to 40 percent slop	es	NWI classifi	cation: None			
Are climatic / hydrologic conditions on the site typical	for this time of year?	Yes X	No (If no, exp	lain in Remarks.)			
Are Vegetation , Soil , or Hydrology	significantly disturbe	ed? Are "Normal (Circumstances" present?	Yes X No			
Are Vegetation , Soil , or Hydrology	naturally problemati	c? (If needed, ex	plain any answers in Rem	narks.)	-		
SUMMARY OF FINDINGS – Attach site n	_		cations, transects, i	important features,	etc.		
Hydrophytic Vegetation Present? Yes X	No	Is the Sampled A	rea				
	No	within a Wetland	? Yes X	No			
Wetland Hydrology Present? Yes X	No						
Remarks: Seep wetland on slope above two-track road. Pit fille there must be drainage beneath rock restriction.	ed with water almost i	mmediately after diç	gging. No sign of water on	downhill side of wetland s	30		
VEGETATION – Use scientific names of	plants.			_			
Tree Stratum (Plot size:)		inant Indicator	Dominance Test worl	kahaati			
Tree Stratum (Plot size:) 1.	70 Cover Spec	cies? Status	Number of Dominant S				
2.			Are OBL, FACW, or FA	•	(A)		
3.			Total Number of Domii	nant Species	-		
4.			Across All Strata:	3	(B)		
Sapling/Shrub Stratum (Plot size:	=Total _)	Cover	Percent of Dominant S Are OBL, FACW, or FA		(A/B)		
1							
2.			Prevalence Index wor				
3.			Total % Cover of: OBL species 0				
5.			FACW species 20		-		
	=Total	Cover	FAC species 25		-		
Herb Stratum (Plot size: 5)			FACU species 20	x 4 = 80	_		
Trifolium fragiferum		es FAC	UPL species 0		_		
2. Trifolium repens		es FACU	Column Totals: 65		_(B)		
Polypogon monspeliensis Echinochloa crus-galli		es FACW	Prevalence Index =	= B/A = <u>3.00</u>	-		
5.		es TACW	Hydrophytic Vegetati	on Indicators:			
6.			X Dominance Test is				
7.			X Prevalence Index i	is ≤3.0 ¹			
8				aptations ¹ (Provide support	ting		
	65 =Total	Cover		s or on a separate sheet)			
Woody Vine Stratum (Plot size: 5	_)			phytic Vegetation ¹ (Explai	,		
1. 2.			Indicators of hydric so be present, unless dist	oil and wetland hydrology n	nust		
-·	=Total	Cover	Hydrophytic	arbed of problematic.			
			Vegetation				
% Bare Ground in Herb Stratum 35 %	Cover of Biotic Crus	t <u>0</u>	Present? Yes	X No			
Remarks:							

SOIL Sampling Point: SP-13A

	• •	to the dept				ator or o	confirm the absence	e of indicators	.)	
Depth	Matrix			x Featur		Loc ²	Tanduma		Damanica	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc	Texture	_	Remarks	
0-4	10YR 2/1	100					Silt Loam			
								_		
							-			
								_		
								_		
								_		
	ncentration, D=Dep					oated S	and Grains. ² Lo	cation: PL=Po	re Lining, M=Ma	atrix.
Hydric Soil I	ndicators: (Applica	able to all L	RRs, unless othe	rwise n	oted.)		Indicat	tors for Proble	matic Hydric S	oils³:
Histosol	(A1)		Sandy Red	dox (S5)			1 c	m Muck (A9) (L	RR C)	
Histic Ep	ipedon (A2)		Stripped M	latrix (S6	6)		2 c	m Muck (A10) ((LRR B)	
Black His	stic (A3)		Loamy Mu	-			Iron	n-Manganese M	/lasses (F12) (L l	RR D)
X Hydroger	n Sulfide (A4)		Loamy Gle	eyed Mat	rix (F2)		Re	duced Vertic (F	18)	
Stratified	Layers (A5) (LRR (C)	Depleted N	∕latrix (F	3)			d Parent Materi		
1 cm Mu	ck (A9) (LRR D)		Redox Dar					ry Shallow Dark		
Depleted	Below Dark Surfac	e (A11)	Depleted [, ,)	Oth	ner (Explain in F	Remarks)	
Thick Dark Surface (A12)Redox Depressions (F8)										
	Sandy Mucky Mineral (S1)									
Sandy G	leyed Matrix (S4)	Indicator	s of hydrophytic v	egetatio	n and we	etland hy	drology must be pre	sent, unless dis	sturbed or proble	ematic.
Restrictive L	ayer (if observed):	:								
Type:	Rock restr	iction								
Depth (in	ches):	4					Hydric Soil Prese	ent?	Yes X	No
Remarks:										
HYDROLO	GY									
Wetland Hvo	Irology Indicators:									
-	ators (minimum of		ed: check all that a	(vlage			Second	darv Indicators (minimum of two	required)
-	Nater (A1)		Salt Crust					ater Marks (B1)		
High Wat	ter Table (A2)		Biotic Crus	` '					s (B2) (Riverine))
Saturatio			Aquatic Inv		es (B13))		ft Deposits (B3)		
	arks (B1) (Nonriver	ine)	X Hydrogen		, ,			ainage Patterns		
	t Deposits (B2) (No		Oxidized R					/-Season Water		
Drift Dep	osits (B3) (Nonrive	rine)	Presence	of Reduc	ed Iron ((C4)	Cra	ayfish Burrows ((C8)	
	Soil Cracks (B6)		Recent Iro				ls (C6) Sat	turation Visible	on Aerial Image	ery (C9)
Inundatio	n Visible on Aerial	magery (B7)	Thin Muck	Surface	(C7)		Sha	allow Aquitard (D3)	
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		X FA	C-Neutral Test	(D5)	
Field Observ	/ations:									
Surface Water		es	No X	Depth (ii	nches):	0				
Water Table					nches):					
Saturation Pr		es X			nches):		Wetland Hydrol	logy Present?	Yes X	No
(includes cap	illary fringe)				<i>′</i> –					
	corded Data (stream	gauge, mor	nitoring well, aeria	l photos,	previous	s inspec	ctions), if available:			
							<u> </u>			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cour	nty: Morrow	Sampling Date	e: <u>10/22/22</u>	
Applicant/Owner: Next Era Energy				State: OR	Sampling Poin	t: SP-13B
Investigator(s): Jessica Taylor		Section, T	ownship, Ra	nge: <u>T1S R27E S13</u>	3	
Landform (hillside, terrace, etc.): Slope	Lc	ocal relief (co	ncave, conv	ex, none): <u>none</u>	s	lope (%): <u>15</u>
Subregion (LRR): LRR B Lat: 45.47936	4°		Long: <u>-1</u>	19.398478°	Datum	n: NAD83
Soil Map Unit Name: 28E: Lickskillet very stony loar	n, 7 to 40 percent	slopes		NWI clas	ssification: None	
Are climatic / hydrologic conditions on the site typical	I for this time of y	ear?	Yes X	No (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydrology	_significantly dis	sturbed? A	re "Normal C	Circumstances" presei	nt? Yes X	No
Are Vegetation, Soil, or Hydrology	naturally proble	ematic? (I	f needed, ex	plain any answers in I	Remarks.)	
SUMMARY OF FINDINGS – Attach site	map showing	sampling	g point lo	cations, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X	withir	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No X					
Remarks: Seep wetland on slope above two-track road. Pit fill there must be drainage beneath rock restriction.	ed with water alm	nost immedia	itely after dig	ging. No sign of wate	r on downhill side of	wetland so
VEGETATION - Use scientific names of	plants.					
Tree Stratum (Plot size:)		Dominant Species?	Indicator Status	Dominance Test v	workshoot:	
1.	70 COVE	оресіез:	Otatus	Number of Domina		
2.				Are OBL, FACW, o		1 (A)
3				Total Number of Do	ominant Species	
4		Total Cover		Across All Strata:	<u> </u>	(B)
Sapling/Shrub Stratum (Plot size:		otal Cover		Percent of Domina Are OBL, FACW, o	•	50.0% (A/B)
1.	- ′				_	(**=)
2.	:			Prevalence Index	worksheet:	
3.				Total % Cove		ultiply by:
4 5.				OBL species FACW species	0 x1= 0 x2=	0
J	₌₇	Total Cover		FAC species	50 x 3 =	150
Herb Stratum (Plot size: 5)				FACU species	50 x 4 =	200
Distichlis spicata	50	Yes	FAC	UPL species	5 x 5 =	25
2. Bromus tectorum		No	UPL	Column Totals:	105 (A)	375 (B)
Cynodon dactylon 4.	50	Yes	FACU	Prevalence Inde	ex = B/A =3	.57
5.				Hydrophytic Vege	tation Indicators:	
6.				Dominance Te		
7				Prevalence Inc		
8		5 - 4 - 1 O			Adaptations ¹ (Provider Adaptations)	
Woody Vine Stratum (Plot size: 5	<u>105</u> =T	Total Cover			ydrophytic Vegetatio	,
1					c soil and wetland h	
2.					disturbed or problen	
	=1	Total Cover		Hydrophytic		
% Bare Ground in Herb Stratum 0	% Cover of Biotic	Crust 0		Vegetation Present? Y	es No	Y
Remarks:	OUVEL OF DIOLIC	Grust U	_	Present!	es No	<u>^</u>
i veniains.						

SOIL Sampling Point: SP-13B

Profile Desc Depth	ription: (Describe to Matrix	o the depth		i ment tr k Featur		itor or c	confirm the absence of	of mulcators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/3	100	, ,				Sandy Ioam	
							-	
			_					
¹Type: C=Co	oncentration, D=Deple	etion, RM=R	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains. ² Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applicat	le to all LR	RRs, unless othe	rwise n	oted.)		Indicator	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Red	ox (S5)			1 cm	Muck (A9) (LRR C)
Histic Ep	ipedon (A2)		Stripped M	atrix (S6	5)		2 cm	Muck (A10) (LRR B)
Black His	stic (A3)		Loamy Mu	cky Mine	eral (F1)		Iron-N	Manganese Masses (F12) (LRR D)
Hydroger	n Sulfide (A4)		Loamy Gle	yed Mat	rix (F2)		Redu	ced Vertic (F18)
	Layers (A5) (LRR C)		Depleted M	latrix (F	3)		Red F	Parent Material (F21)
	ck (A9) (LRR D)		Redox Dar		` '		Very	Shallow Dark Surface (F22)
	Below Dark Surface	(A11)	Depleted D				Other	(Explain in Remarks)
	rk Surface (A12)		Redox Dep	ressions	s (F8)			
	ucky Mineral (S1)	2						
	leyed Matrix (S4)	Indicators	s of hydrophytic v	egetatio	n and we	tland hy	drology must be prese	ent, unless disturbed or problematic.
	_ayer (if observed):							
Type:	Rock restric		_					
Depth (in	iches):	6	_				Hydric Soil Present	? Yes No X
HYDROLO	GY							
	drology Indicators:							
_	ators (minimum of or	e is require	d; check all that a	(ylqqı			Secondar	ry Indicators (minimum of two required)
-	Water (A1)		Salt Crust					r Marks (B1) (Riverine)
High Wa	ter Table (A2)		Biotic Crus	t (B12)				ment Deposits (B2) (Riverine)
Saturatio	on (A3)		Aquatic Inv		es (B13)		Drift [Deposits (B3) (Riverine)
Water Ma	arks (B1) (Nonriveri r	ie)	Hydrogen	Sulfide C	Odor (C1)	Drain	age Patterns (B10)
Sedimen	t Deposits (B2) (Non	riverine)	Oxidized R	hizosph	eres on l	iving R	oots (C3) Dry-S	Season Water Table (C2)
Drift Dep	osits (B3) (Nonriveri	ne)	Presence of	of Reduc	ed Iron (C4)	Crayf	ish Burrows (C8)
Surface S	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soil	s (C6) Satur	ration Visible on Aerial Imagery (C9)
Inundatio	on Visible on Aerial In	nagery (B7)	Thin Muck					ow Aquitard (D3)
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		FAC-	Neutral Test (D5)
Field Observ	vations:							
Surface Wate						_		
Ouriace Wate	er Present? Yes	·	No X	Depth (ii	nches):	0		
Water Table	er Present? Yes Present? Yes		No X	Depth (ii	nches):	0		
Water Table Saturation Pr	er Present? Yes Present? Yes resent? Yes		No X		nches):		Wetland Hydrolog	gy Present? Yes No _X
Water Table Saturation Pr (includes cap	er Present? Yes Present? Yes resent? Yes oillary fringe)	<u> </u>	No X No X	Depth (ii Depth (ii	nches): _ nches): _	0		gy Present? Yes No _X
Water Table Saturation Pr (includes cap	er Present? Yes Present? Yes resent? Yes	<u> </u>	No X No X	Depth (ii Depth (ii	nches): _ nches): _	0		gy Present? Yes No _X
Water Table Saturation Pr (includes cap	er Present? Yes Present? Yes resent? Yes oillary fringe)	<u> </u>	No X No X	Depth (ii Depth (ii	nches): _ nches): _	0		gy Present? Yes No _X
Water Table Saturation Pr (includes cap Describe Rec	er Present? Yes Present? Yes resent? Yes oillary fringe)	<u> </u>	No X No X	Depth (ii Depth (ii	nches): _ nches): _	0		gy Present? Yes No _X
Water Table Saturation Pr (includes cap Describe Rec	er Present? Yes Present? Yes resent? Yes oillary fringe)	<u> </u>	No X No X	Depth (ii Depth (ii	nches): _ nches): _	0		gy Present? Yes No X

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	Sampling Date		10/20/2022
Applicant/Owner: Next Era Energy				State: OR	Sampling Point:	SP-16A
Investigator(s): Jessica Taylor		Section, 7	Γownship, Ra	ange: T1S R27E S16		
Landform (hillside, terrace, etc.): Hilltop	l	ocal relief (co	oncave, conv	ex, none): none	Slop	oe (%): 1
Subregion (LRR): <u>LRR B</u> Lat: <u>45.479364</u>	l°		Long:	119.398478°	Datum:	NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 per	cent slopes			NWI classif	ication: None	
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, SoilX_, or Hydrology	significantly d	listurbed? A	Are "Normal (Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrology			If needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site n			g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X	No	Is the	Sampled A	rea		
	No	withi	n a Wetland	? Yes X	No	
Wetland Hydrology Present? Yes X	No					
Remarks: Seep wetland not directly connected to livestock trouclay loams and vegetation has been grazed.	ugh (which doe	s not overflow	, it has a floa	at valve). Highly disturbed	d by cattle, soils are	well mixed
VEGETATION – Use scientific names of						
<u>Tree Stratum</u> (Plot size: 5)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:	
1.	70 00 001	ороско:	Otatus	Number of Dominant		
2.				Are OBL, FACW, or F	•	1 (A)
3. 4.				Total Number of Dom Across All Strata:	inant Species	1 (B)
Sapling/Shrub Stratum (Plot size: 5	_)	Total Cover		Percent of Dominant S Are OBL, FACW, or F		0.0% (A/B)
2.				Prevalence Index wo		
3. 4.				Total % Cover of		iply by:
5.				· -	0 x1= x2=	80 0
		Total Cover) x 3 =	0
Herb Stratum (Plot size: 5)				FACU species () x 4 =	0
Ranunculus sceleratus	70	Yes	OBL	· -	x 5 =	0
2. Nasturtium officinale		No No	OBL			80 (B)
Lemna minor Juncus sp. (grazed tops)	<u>5</u>	No No	OBL	Prevalence Index	= B/A = <u>1.00</u>	<u> </u>
		INO		Hydrophytic Vegetat	ion Indicators:	
6.				X Dominance Test i		
7.				X Prevalence Index	is ≤3.0 ¹	
8.					aptations ¹ (Provide	
	95 =	Total Cover			s or on a separate	,
Woody Vine Stratum (Plot size: 5	_)				ophytic Vegetation ¹	,
1 2.				¹ Indicators of hydric s be present, unless dis		
		Total Cover		Hydrophytic	tarboa or problema	
				Vegetation		
% Bare Ground in Herb Stratum 5 %	Cover of Bioti	c Crust 0		•	X No	_
Remarks:						

SOIL Sampling Point: SP-16A

	• •	to the dept				itor or c	confirm the absenc	e of indicators	S.)	
Depth	Matrix					1 2	Tandona		Damandra	
(inches)	Color (moist)	<u>%</u>	Color (moist)	Clay loan Clay loan Matrix, CS=Covered or Coated Sand Grains.		-	_	Remarks		
0-14	10YR 3/1	100					Clay loam	_		
							-			
						oated Sa	and Grains. ² Lo	cation: PL=Po	ore Lining, M=M	atrix.
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless other	rwise n	oted.)		Indicat	ors for Proble	ematic Hydric S	ioils³:
Histosol	(A1)		Sandy Red	dox (S5)				m Muck (A9) (
	ipedon (A2)			,	,			m Muck (A10)		
Black His	stic (A3)		Loamy Mu	cky Mine	eral (F1)			•	Masses (F12) (L	.RR D)
	n Sulfide (A4)							duced Vertic (F	,	
	Layers (A5) (LRR C	;)						d Parent Mater		
	ck (A9) (LRR D)							-	k Surface (F22)	
	Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions (F8)							ner (Explain in	Remarks)	
Thick Dark Surface (A12) Redox Depressions (F8)										
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4)										
Sandy G	leyed Matrix (S4)	Indicator	rs of hydrophytic v	egetatio	n and we	tland hy	drology must be pre	sent, unless di	sturbed or prob	lematic.
Restrictive I	.ayer (if observed):									
Type:										
Depth (ir	iches):		<u>—</u>				Hydric Soil Prese	ent?	Yes X	No
Remarks:										
Soils were w	ell mixed by cattle or	nsite. Very o	clayey loam that w	as signif	icantly di	fferent t	han the surrounding	silt loams.		
HYDROLO	GY									
Wetland Hyd	rology Indicators:									
Primary Indic	ators (minimum of o	ne is requir	ed; check all that	apply)			Second	dary Indicators	(minimum of tw	o required)
X Surface	Water (A1)		Salt Crust	(B11)			Wa	ater Marks (B1)	(Riverine)	
High Wa	ter Table (A2)		Biotic Crus	st (B12)			Se	diment Deposi	ts (B2) (Riverin	e)
Saturatio	n (A3)		Aquatic In	vertebrat	es (B13)		Dri	ft Deposits (B3) (Riverine)	
Water M	arks (B1) (Nonriveri	ne)	Hydrogen	Sulfide C	Odor (C1))	Dra	ainage Patterns	s (B10)	
	t Deposits (B2) (Nor		Oxidized F	Rhizosph	eres on l	_iving R	oots (C3)Dry	/-Season Wate	er Table (C2)	
	osits (B3) (Nonriver	ine)	Presence		,	,		ayfish Burrows		
	Soil Cracks (B6)		Recent Iro			lled Soil			on Aerial Image	ery (C9)
Inundation	on Visible on Aerial I	magery (B7			. ,		Sh	allow Aquitard	(D3)	
Water-St	ained Leaves (B9)		Other (Exp	lain in R	emarks)		<u>X</u> FA	C-Neutral Test	(D5)	
Field Observ	/ations:									
Surface Water	er Present? Ye	s X		Depth (ii	nches): _	2				
Water Table	Present? Ye	es			nches): _					
Saturation Pr	esent? Ye	s X	No	Depth (ii	nches):	14	Wetland Hydro	logy Present?	Yes X	No
(includes cap	illary fringe)									
Describe Red	corded Data (stream	gauge, mo	nitoring well, aeria	l photos,	previous	s inspec	tions), if available:			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow		Sampling Date:	10/20/2022
Applicant/Owner: NextEra Energy				State: OR	Sampling Point:	SP-16B
Investigator(s): Jessica Taylor		Section, 1	ownship, Ra	nge: T1S R27E S16		
Landform (hillside, terrace, etc.): Hilltop	L	ocal relief (co	ncave, conv	ex, none): none	Slop	e (%): <u>1</u>
Subregion (LRR): <u>LRR B</u> Lat: <u>45.479364</u>	! °		Long:	19.398478°	Datum:	NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 per	cent slopes			NWI classit	fication: None	
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, exp	plain in Remarks.)	
Are Vegetation, SoilX_, or Hydrology	_significantly d	isturbed? A	re "Normal C	Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrology	naturally prob	lematic? (f needed, ex	plain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site n	nap showing	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes	No X	Is the	Sampled A	rea		
	No X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes	No <u>X</u>					
Remarks: Upland plot for seep wetland. Soils are very differen livestock trough.	t than wetland,	no or very littl	e clay conter	nt. Weedy and overgraze	ed because it's next	to the
VEGETATION – Use scientific names of	plants.					
Tree Stratum (Diet size: E)	Absolute % Cover	Dominant Species 2	Indicator Status	Dominance Test wo	wka baati	
Tree Stratum (Plot size: 5) 1.	% Cover	Species?	Status	Number of Dominant		
2.				Are OBL, FACW, or F		0 (A)
3.				Total Number of Dom	inant Species	
4				Across All Strata:		2 (B)
Sapling/Shrub Stratum (Plot size: 5		Total Cover		Percent of Dominant : Are OBL, FACW, or F	•	.0% (A/B)
1. Ericameria nauseosa	_' 5	Yes	UPL	AIC OBE, I AOW, OI I	<u> </u>	(A/B)
2.				Prevalence Index wo	orksheet:	
3				Total % Cover of	f: Multi	ply by:
4.					0 x 1 =	0
5	<u> </u>	Total Cover			0 x 2 = 0 x 3 =	0
Herb Stratum (Plot size: 5)		Total Gover				280
1. Poa bulbosa	70	Yes	FACU		0 x 5 =	50
2. Pseudoroegneria spicata	5	No	UPL		` '	(B)
3.				Prevalence Index	= B/A = 4.13	
4 5.				Hydrophytic Vegetat	tion Indicators:	
6.				Dominance Test		
7.				Prevalence Index		
8.					aptations ¹ (Provide	
	75 =	Total Cover			s or on a separate s	,
Woody Vine Stratum (Plot size: 5	_)				ophytic Vegetation ¹	
1. 2.				¹ Indicators of hydric s be present, unless dis		
		Total Cover		Hydrophytic	starbed or problema	
				Vegetation		
% Bare Ground in Herb Stratum 25 %	Cover of Biotic	Crust 0		Present? Yes	No X	
Remarks:						

SOIL Sampling Point: SP-16B

Profile Desc Depth	ription: (Describe matrix	to the dept		ı ment tl k Featur		ator or o	confirm the absen	ce of indicators	s.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-16	10YR 3/3	100	35.5. (.,,,,		Silt Loam	_		
	10111 3/3	100								
							-			
								_		
¹ Type: C=Co	oncentration, D=Depl	letion. RM=	Reduced Matrix. C	S=Cove	red or C	oated S	and Grains. ² L	ocation: PL=Po	ore Linina. M=N	Matrix.
• •	ndicators: (Applica							ators for Proble		
Histosol	,		Sandy Red					cm Muck (A9) (I	-	
Histic Ep	ipedon (A2)		Stripped M					cm Muck (A10)		
Black His			Loamy Mu	cky Mine	eral (F1)			on-Manganese N		LRR D)
Hydroger	n Sulfide (A4)		Loamy Gle					educed Vertic (F		,
	Layers (A5) (LRR C	;)	Depleted N	-				ed Parent Mater	-	
	ck (A9) (LRR D)	,	Redox Dar					ery Shallow Darl	k Surface (F22)
	Below Dark Surface	e (A11)	Depleted D	ark Sur	face (F7))		ther (Explain in l		
Thick Da	rk Surface (A12)		Redox Dep	ression	s (F8)					
Sandy M	ucky Mineral (S1)									
Sandy G	leyed Matrix (S4)	³ Indicato	rs of hydrophytic v	egetatio	n and we	tland hy	drology must be pr	esent, unless di	sturbed or prol	olematic.
Restrictive L	ayer (if observed):									
Type:	,									
Depth (in	iches):						Hydric Soil Pres	ent?	Yes	No X
HYDROLO	GY									
_	drology Indicators:									
	ators (minimum of o	ne is requir						ndary Indicators	•	vo required)
	Water (A1)		Salt Crust	` ,				/ater Marks (B1)	` '	
	ter Table (A2)		Biotic Crus		(5.40)			ediment Deposit		1e)
Saturatio	` '	,	Aquatic Inv		,			rift Deposits (B3		
	arks (B1) (Nonriveri		Hydrogen		•	•		rainage Patterns		
	t Deposits (B2) (Nor		Oxidized R			_		ry-Season Wate		
	osits (B3) (Nonriver Soil Cracks (B6)	ine)	Presence of			` '		rayfish Burrows aturation Visible	` '	rony (CO)
	on Visible on Aerial I	magany (B7	Recent Iron Thin Muck			ilea Soil	• •	hallow Aquitard		gery (C9)
	ained Leaves (B9)	nagery (bi	Other (Exp					AC-Neutral Test	` '	
	. ,		Other (Exp	iaiii iii i	ciliai ks)		 ''	AC-Neutral Test	(D3)	
Field Observ Surface Wate			No. V	Depth (i	nohoo):	0				
Water Table				Depth (i Depth (i	′ =	0				
Saturation Pr				Depth (i Depth (i	′ =	0	Wetland Hydro	ology Present?	Yes	No X
(includes cap			<u> </u>	Dopuii (i			Wetland Hydro	ology i resent:		<u> </u>
	corded Data (stream	dalide mo	nitoring well aerial	nhotos	nrevious	s insner	tions) if available			
Describe rec	orded Bata (etream	gaage, me	Throning Well, derial	priotos	, proviou	э шорос	niono), ii avanabio.			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	(City/County: Morrov	v	Sampling Date:	10/20/2022
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-17A
Investigator(s): Jessica Taylor	S	ection, Township, R	ange: T1S R27E S15		
Landform (hillside, terrace, etc.): hilltop	Local	relief (concave, con	vex, none): <u>none</u>	Slop	e (%): 2
Subregion (LRR): <u>LRR B</u> Lat: <u>45.479364°</u>		Long:	-119.398478°	Datum:	NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 percent	slopes		NWI classif	cation: None	
Are climatic / hydrologic conditions on the site typical for	this time of year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil $\underline{\hspace{1em} X\hspace{1em}}$, or Hydrology signature.	gnificantly disturb	ed? Are "Normal	Circumstances" present?	Yes X No	'
Are Vegetation, Soil, or Hydrologyna	turally problemat	ic? (If needed, e	xplain any answers in Ren	narks.)	
SUMMARY OF FINDINGS – Attach site map	showing sa	mpling point lo	ocations, transects,	important feat	ıres, etc.
Hydrophytic Vegetation Present? Yes X No		Is the Sampled A	Area		
		within a Wetland		No	
Wetland Hydrology Present? Yes X No				 	
Remarks:	t vocatation and	running water on the	o curface. Plante in wetlen	d are beauthy grazes	d and sails
Livestock trough overflows down a slight slope. Wetland are mixed by cattle.	i vegetation and i	unning water on the	e surface. Plants in Wetlan	d are neavily grazed	and sons
VEGETATION – Use scientific names of pla	ants.				
·	Absolute Don	ninant Indicator			
Tree Stratum (Plot size: 5) 1.	% Cover Spe	cies? Status	Dominance Test wor		
2.			Number of Dominant S Are OBL, FACW, or F		3 (A)
3.			Total Number of Domi		``
4			Across All Strata:		3 (B)
Canling/Chrub Ctratum (Diet aize: F.)	=Total	Cover	Percent of Dominant S	•	0.00/ (A/D)
Sapling/Shrub Stratum (Plot size: 5) 1.			Are OBL, FACW, or F	AC. 100	0.0% (A/B)
2.			Prevalence Index wo	rksheet:	
3.			Total % Cover of	: Multi	ply by:
4			OBL species 3		30
5		Cover	FACW species 7:		<u>50</u> 30
Herb Stratum (Plot size: 5)		Cover	FAC species 10		0
Polypogon monspeliensis	40 Y	es FACW	UPL species 0		0
2. Echinochloa crus-galli	35 Y	es FACW	Column Totals: 11	5 (A) 2	210 (B)
3. Ranunculus sceleratus		es OBL	Prevalence Index	= B/A = <u>1.83</u>	
4. Rumex crispus 5.		No FAC	Hydrophytic Vegetati	on Indicators:	
			X Dominance Test is		
7.			X Prevalence Index		
8.				aptations ¹ (Provide s	
	115=Total	Cover		s or on a separate s	,
Woody Vine Stratum (Plot size: 5)				ophytic Vegetation ¹	` ' '
1 2.			¹ Indicators of hydric so be present, unless dis		
	=Total	Cover	Hydrophytic		
			Vegetation		
	over of Biotic Crus	st <u>0</u>	Present? Yes	X No	_
Remarks:					

SOIL Sampling Point: SP-17A

	•	to the dept				tor or c	confirm the absence of	of indicators.)
Depth	Matrix			x Featur		. 2	- .	5
(inches)	Color (moist)	<u> </u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 3/2	100					Clay loam	
		<u> </u>	_					
			-					
		<u> </u>	_					
¹ Type: C=Co	oncentration, D=Depl	etion RM=	Reduced Matrix (S=Cove	red or Co	nated Sa	and Grains ² Loca	tion: PL=Pore Lining, M=Matrix.
	ndicators: (Applica					Jaioa Oi		s for Problematic Hydric Soils ³ :
Histosol	`	Die to un L	Sandy Red		otou.,			Muck (A9) (LRR C)
	pipedon (A2)		Stripped M		:)			Muck (A10) (LRR B)
Black His			Loamy Mu	,	,			Manganese Masses (F12) (LRR D)
				•	, ,			ced Vertic (F18)
	n Sulfide (A4) l Layers (A5) (LRR C	1	Loamy Gle Depleted N	-				Parent Material (F21)
	ck (A9) (LRR D)	,	Redox Dar	-	-			Shallow Dark Surface (F22)
	ck (A9) (LRR D) I Below Dark Surface	· (A11)	Depleted [(Explain in Remarks)
		(^11)			, ,		Other	(Explain in Idenialis)
	rk Surface (A12) lucky Mineral (S1)		Redox Dep	ກຮອຍເດນ	s (FO)			
		3Indicator	ra of hydrophytia y	ogototio	and wa	tland by	drology must be proce	nt unloss disturbed or problematic
	leyed Matrix (S4)	mulcator	is of flydropflytic v	egetation	i and we	lianu ny	ratology must be prese	nt, unless disturbed or problematic.
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present	? Yes <u>X</u> No
Remarks:								
Soils are high	nly disturbed (mixed)	from cattle	walking around g	azing or	ı vegetat	ion.		
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
_	cators (minimum of o	ne is requir	ed; check all that	apply)			Secondar	y Indicators (minimum of two require
X Surface	•	-	Salt Crust				Water	Marks (B1) (Riverine)
	ter Table (A2)		Biotic Crus	` '				nent Deposits (B2) (Riverine)
Saturation			Aquatic In		es (B13)			Deposits (B3) (Riverine)
	arks (B1) (Nonriveri	ne)	Hydrogen					age Patterns (B10)
	t Deposits (B2) (Non		Oxidized F		, ,			eason Water Table (C2)
	osits (B3) (Nonriveri		Presence			_		ish Burrows (C8)
	Soil Cracks (B6)	,	Recent Iro			-		ation Visible on Aerial Imagery (C9)
	on Visible on Aerial In	nagery (B7						ow Aquitard (D3)
	tained Leaves (B9)		Other (Exp					Neutral Test (D5)
Field Observ							<u> </u>	
Surface Water		s X	No	Denth (i	nches):	1		
Water Table					nches):			
Saturation P		s X			nches): _		Wetland Hydrolog	y Present? Yes X No
(includes cap		~ <u>~</u>		Dobut (II			Trougha riyarolog	,,
	mary milye <i>)</i>		nitoring well seria	nhotos	nrevious	inenec	tions) if available.	
	corded Data (stream	dalide mo		י ביווטנטס.	PIEVIOUS	, mopet	uono, ii avallabit.	
Describe rec	corded Data (stream	gauge, mo	illolling well, aeria	,			,,	
	corded Data (stream	gauge, mo	mitoring well, aeria			<u>'</u>	,,	
Remarks:	corded Data (stream	gauge, mo	mioning well, aeria			<u> </u>	,	
	corded Data (stream	gauge, mo	moning wen, aena			<u> </u>	,	
	corded Data (stream	gauge, mo	mioring well, aeria			<u> </u>	,	

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	Cit	y/County: Morrow	,	Sampling Date	e: <u>10/20/2022</u>
Applicant/Owner: NextEra Energy	_		State: OF	Sampling Poir	nt: SP-17B
Investigator(s): Jessica Taylor	Sec	tion, Township, Ra	ange: T1S R27E S	15	
Landform (hillside, terrace, etc.): hilltop	Local re	lief (concave, conv	rex, none): none	S	lope (%): 2
Subregion (LRR): LRR B Lat: 45.479364°		Long: <u>-</u>	119.398478°	Datun	n: NAD83
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 percent slop	pes		NWI cl	lassification: None	
Are climatic / hydrologic conditions on the site typical for this	time of year?	Yes X	No (If no	o, explain in Remarks.)
Are Vegetation X , Soil , or Hydrology signific	cantly disturbed	d? Are "Normal of	Circumstances" pres	ent? Yes X	No
Are Vegetation, Soil, or Hydrologynatura	ally problematio	? (If needed, ex	xplain any answers ir	n Remarks.)	
SUMMARY OF FINDINGS – Attach site map sh	nowing sam	pling point lo	cations, transe	cts, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes No		Is the Sampled A	rea		
Hydric Soil Present? Yes No X		within a Wetland		NoX	
Wetland Hydrology Present? Yes No _X	_				
Remarks:	actation and mu	nning water on the	aurface Curroundin	a area is weedy and l	acculturared
Livestock trough overflows down a slight slope. Wetland veg	getation and ru	nning water on the	surrace. Surroundin	ig area is weedy and i	neavily grazed.
VEGETATION – Use scientific names of plants					
·	solute Domii	nant Indicator	1		
	Cover Speci	es? Status	Dominance Test	t worksheet:	
1			Number of Domir Are OBL, FACW,	nant Species That , or FAC:	0 (A)
3.				Dominant Species	
4	T-4-1-0		Across All Strata		2 (B)
Sapling/Shrub Stratum (Plot size: 5)	=Total C	over	Percent of Domir Are OBL, FACW,	nant Species That	0.0% (A/B)
1.			, we obt, i now,		(/\D)
2.			Prevalence Inde	ex worksheet:	
3			Total % Cov	ver of: M	ultiply by:
4			OBL species	0 x1=_	0
5	=Total C	over	FACW species	0 x 2 = 0 x 3 =	0
——————————————————————————————————————		,000	FACU species	80 x 4 =	320
	80 Ye	s FACU	UPL species	40 x 5 =	200
	40 Ye	s UPL	Column Totals:	120 (A)	520 (B)
3			Prevalence In	dex = B/A =4	.33
4			Hydrophytic Voc	getation Indicators:	
			Dominance T	_	
7.			Prevalence II		
8.				al Adaptations ¹ (Provi	
<u>1</u>	120 =Total C	Cover		marks or on a separa	•
Woody Vine Stratum (Plot size: 5				Hydrophytic Vegetation	, , ,
1				dric soil and wetland has disturbed or probler	
	=Total C	Cover	Hydrophytic		
		_	Vegetation		
	of Biotic Crust	0	Present?	Yes No	
Remarks:					

SOIL Sampling Point: SP-17B

	ription: (Describe	to the depth				tor or o	confirm the a	absence of in	dicators.)	
Depth	Matrix			x Featur		. 2				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Textu	ure	Remarks	
0-16	10YR 3/3	100					Silt Lo	oam		
							-			
							-			
							-			
l 										
	ncentration, D=Depl					oated S			: PL=Pore Lining, M=	
-	ndicators: (Applica	ble to all LR							r Problematic Hydric	Soils*:
Histosol			Sandy Re				,		ck (A9) (LRR C)	
	ipedon (A2)		Stripped N	-	-				ck (A10) (LRR B)	# DD D\
Black His	` '		Loamy Mu				,		ganese Masses (F12)	(LRR D)
	n Sulfide (A4)		Loamy Glo	-					Vertic (F18)	
	Layers (A5) (LRR C	5)	Depleted I		-				nt Material (F21)	2)
	ck (A9) (LRR D)	(0.44)	Redox Da		. ,				llow Dark Surface (F2	2)
	Below Dark Surface	e (A11)	Depleted I					Other (Ex	plain in Remarks)	
	rk Surface (A12) ucky Mineral (S1)		Redox De	pression	S (F8)					
	leyed Matrix (S4)	3Indicators	of hydrophytic y	ogotatio	n and wo	tland by	udrology mus	t he present u	unless disturbed or pro	blomatic
		indicators	or riyuropriyuc v	regetatio	ii and we	lianu ny	ydrology mus	t be present, d	diless disturbed of pro	blematic.
	.ayer (if observed):									
Type:	ahaa\.		_				Usalvia Cai	il Present?	Vaa	No. V
Depth (in			_				Hyuric 30	ii Fieseiit:	Yes	No X
Remarks:	nly disturbed (mixed)	from cattle	valking around o	razina o	n vegetat	ion				
Colls are riigi	ily disturbed (Illixed)	mom cattle v	valking around g	razing o	ii vegetat	1011.				
HYDROLO	GY									
Wetland Hyd	Irology Indicators:									
_	ators (minimum of o	ne is require	d; check all that	apply)				Secondary Inc	dicators (minimum of	wo required)
Surface \	Water (A1)		Salt Crust	(B11)				Water Ma	arks (B1) (Riverine)	
High Wa	ter Table (A2)		Biotic Cru	st (B12)			·	Sediment	Deposits (B2) (River	ine)
Saturatio	n (A3)		Aquatic In	vertebra	tes (B13)		•	Drift Depo	osits (B3) (Riverine)	
Water Ma	arks (B1) (Nonriveri	ne)	Hydrogen	Sulfide (Odor (C1))		Drainage	Patterns (B10)	
Sedimen	t Deposits (B2) (Nor	nriverine)	Oxidized F	Rhizosph	eres on L	iving R	toots (C3)	Dry-Sease	on Water Table (C2)	
Drift Dep	osits (B3) (Nonriver	rine)	Presence	of Redu	ced Iron (C4)	•	Crayfish E	Burrows (C8)	
	Soil Cracks (B6)		Recent Iro	n Reduc	ction in Ti	lled Soil	ls (C6)		n Visible on Aerial Ima	igery (C9)
	n Visible on Aerial I	magery (B7)	Thin Muck		` '				Aquitard (D3)	
Water-St	ained Leaves (B9)		Other (Exp	olain in F	Remarks)			FAC-Neut	tral Test (D5)	
Field Observ										
Surface Water			No X	Depth (i	· -	0				
Water Table		es	No X		nches):	0				
Saturation Pr		es	No X	Depth (i	inches):	0	Wetland	Hydrology P	resent? Yes	No X
(includes cap								2.11		
Describe Red	corded Data (stream	gauge, moni	itoring well, aeria	ıı pnotos	, previous	s inspec	cuons), it avai	liable:		
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow Sampling Date: 7/22/22					
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-NW-01		
Investigator(s): Jessica Taylor		Section, Township, F	Range: T1N R28E S28				
Landform (hillside, terrace, etc.): Hilltop	Local	l relief (concave, con	ivex, none): concave	Slop	oe (%): <u>1</u>		
Subregion (LRR): LRR B Lat: 45.479364	4°	Long:	-119.398478°	Datum:	NAD83		
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 per	cent slopes		NWI classif	fication: None			
Are climatic / hydrologic conditions on the site typica	I for this time of year	r? Yes X	No (If no, exp	plain in Remarks.)			
Are Vegetation X , Soil X , or Hydrology X	_significantly distur	bed? Are "Normal	Circumstances" present?	Yes X No			
Are Vegetation, Soil, or Hydrology	naturally problema	atic? (If needed, e	explain any answers in Rei	marks.)			
SUMMARY OF FINDINGS – Attach site r	nap showing sa	ampling point lo	ocations, transects,	important feat	ures, etc.		
Hydrophytic Vegetation Present? Yes	No X	Is the Sampled	Area				
Hydric Soil Present? Yes	No X	within a Wetlan	d? Yes	No <u>X</u>			
Wetland Hydrology Present? Yes	No X						
Remarks:							
Intermittent drainage, no hydric soils.							
l VEGETATION – Use scientific names of	nlante						
VEGETATION - Use scientific flames of	-	minant Indicator					
Tree Stratum (Plot size:)		ecies? Status	Dominance Test wor	rksheet:			
1.			Number of Dominant	•	0 (4)		
2. 3.			Are OBL, FACW, or F		0 (A)		
4.			Total Number of Dom Across All Strata:	inant Species	4 (B)		
	=Tota	al Cover	Percent of Dominant	Species That	`		
Sapling/Shrub Stratum (Plot size:			Are OBL, FACW, or F	•	.0% (A/B)		
1.							
2. 3.			Prevalence Index wo		iply by:		
4.				x 1 =	0		
5.				0 x 2 =	0		
	=Tota	al Cover		0 x 3 =	0		
Herb Stratum (Plot size: 10)	00		· -		200		
Poa bulbosa Sisymbrium altissimum		Yes FACU FACU	·		250 150 (B)		
Centaurea diffusa		Yes UPL	Prevalence Index				
4. Taeniatherum caput-medusae		Yes UPL					
5.			Hydrophytic Vegetat	ion Indicators:			
6			Dominance Test i				
7			Prevalence Index				
8		al Cover		aptations ¹ (Provide s s or on a separate s			
Woody Vine Stratum (Plot size:		ai Covei		ophytic Vegetation ¹	,		
1	_'		¹ Indicators of hydric s		,		
2.			be present, unless dis	•	0,		
	=Tota	al Cover	Hydrophytic				
0/ Dans Creamed in Harb Christians 0	/ Cover of Disting		Vegetation	M- V			
	6 Cover of Biotic Cru	ust 0	Present? Yes	No_X	_		
Remarks:							

SOIL Sampling Point: SP-NW-01

Profile Desc Depth	cription: (Describe Matrix	to the depth		ument t		tor or c	onfirm the	absence of indi	icators.)	
	_	0/				Loc ²	Tout	turo.	Domorko	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	LOC	Text		Remarks	
0-7	10YR 3/2	100					Silt	Loam		
					<u> </u>					
¹Type: C=C	oncentration, D=Dep	oletion. RM=R	educed Matrix.	CS=Cove	ered or Co	oated Sa	and Grains.	² Location:	PL=Pore Lining, M=	Matrix.
	Indicators: (Applic								Problematic Hydric	
Histosol			Sandy Re						(A9) (LRR C)	
	oipedon (A2)		Stripped I						(A10) (LRR B)	
Black Hi			Loamy Mi	-	-				anese Masses (F12)	(I PP D)
				-				Reduced V		(LKK D)
	n Sulfide (A4)	C)	Loamy Gl	-					` '	
	d Layers (A5) (LRR (0)	Depleted						t Material (F21)	2)
	ick (A9) (LRR D)	- (0.44)	Redox Da						ow Dark Surface (F2	۷)
l ——	d Below Dark Surfac	e (A11)	Depleted					Other (Expl	lain in Remarks)	
	ark Surface (A12)		Redox De	pression	ıs (F8)					
	lucky Mineral (S1)	2								
Sandy G	Gleyed Matrix (S4)	Indicators	of hydrophytic	vegetatio	n and we	tland hy	drology mus	st be present, un	less disturbed or pro	blematic.
Restrictive	Layer (if observed)	:								
Type:	Rock restr	riction	_							
Depth (in	nches):	7	_				Hydric Sc	oil Present?	Yes	No X
HYDROLO	GY									
Wetland Hy	drology Indicators:	!								
Primary India	cators (minimum of	one is require	d; check all that	apply)				Secondary Indi	cators (minimum of	two required)
Surface	Water (A1)		Salt Crust	(B11)				Water Mark	ks (B1) (Riverine)	
High Wa	ater Table (A2)		Biotic Cru	st (B12)				Sediment E	Deposits (B2) (River	ine)
Saturation	on (A3)		Aquatic Ir	vertebra	tes (B13)			Drift Depos	sits (B3) (Riverine)	
Water M	larks (B1) (Nonriver	rine)	Hydrogen	Sulfide (Odor (C1))		Drainage P	atterns (B10)	
Sedimer	nt Deposits (B2) (No	nriverine)	Oxidized I	Rhizosph	neres on L	iving R	oots (C3)	Dry-Seasor	n Water Table (C2)	
Drift Dep	oosits (B3) (Nonrive	rine)	Presence	of Redu	ced Iron (C4)		Crayfish Bu	urrows (C8)	
Surface	Soil Cracks (B6)		Recent Iro	on Reduc	ction in Ti	lled Soil	s (C6)	Saturation '	Visible on Aerial Ima	agery (C9)
Inundation	on Visible on Aerial	Imagery (B7)	Thin Mucl	k Surface	e (C7)			Shallow Aq	juitard (D3)	
Water-S	tained Leaves (B9)		Other (Ex	plain in F	Remarks)			FAC-Neutra	al Test (D5)	
Field Obser	vations:									
Surface Wat	er Present? Y	es	No X	Depth (i	inches):	0				
Water Table	Present? Y	es	No X	Depth (i	inches):	0				
Saturation P	resent? Y	es	No X	Depth (i	inches):	0	Wetland	d Hydrology Pre	esent? Yes	No X
(includes ca	pillary fringe)				_					
	corded Data (stream	n gauge, moni	toring well, aeria	al photos	, previous	inspec	tions), if ava	ailable:		
Remarks:										
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	(City/County: Morrow	,	Sampling Date:	11/14/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-NW-02
Investigator(s): Jessica Taylor	S	ection, Township, Ra	ange: T1N R28E S33		
Landform (hillside, terrace, etc.): Hilltop	Local	relief (concave, conv	vex, none): concave	Slop	e (%): <u>1</u>
Subregion (LRR): LRR B Lat: 45.479364°		Long: <u>-</u>	119.398478°	Datum:	NAD83
Soil Map Unit Name: 35: Onyx Silt Loam			NWI classif	ication: None	
Are climatic / hydrologic conditions on the site typical for	or this time of year	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation, Soil, or Hydrologys	significantly disturb	ed? Are "Normal (Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrologyr	naturally problemat	ic? (If needed, ex	xplain any answers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site ma	p showing sa	mpling point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes No	. X	Is the Sampled A	rea		
	<u>X</u>	within a Wetland		No X	
Wetland Hydrology Present? Yes No	<u>х</u>				
Remarks:					
No wetland.					
VEGETATION – Use scientific names of p	lants.				
<u> </u>	Absolute Don	ninant Indicator			
Tree Stratum (Plot size:) 1.	% Cover Spe	cies? Status	Dominance Test wor		
2.			Number of Dominant S Are OBL, FACW, or F		0 (A)
3.			Total Number of Domi		` ′
4			Across All Strata:	·	2 (B)
Cardina/Charle Charles (Diatains)		Cover	Percent of Dominant S	•	00/ (A/D)
Sapling/Shrub Stratum (Plot size:) 1.			Are OBL, FACW, or F	AC: 0.	.0% (A/B)
2.			Prevalence Index wo	rksheet:	
3.			Total % Cover of	: Multi	ply by:
4			OBL species 0		0
5		Cours	FACW species 0		0
Herb Stratum (Plot size: 5)	=10tai	Cover	FAC species C		0
Taeniatherum caput-medusae	40 Y	es UPL	UPL species 7		350
2. Bromus diandrus	30 Y	es UPL	Column Totals: 7	0 (A) 3	350 (B)
3			Prevalence Index	= B/A = 5.00	
4			Lludranhutia Vanatat	ian Indiantara	
5. 6.			Hydrophytic Vegetat Dominance Test i		
7.			Prevalence Index		
8.				aptations ¹ (Provide s	
		Cover		s or on a separate s	•
Woody Vine Stratum (Plot size:)				ophytic Vegetation ¹	` ' '
1. 2.			¹ Indicators of hydric so be present, unless dis		
	=Total	Cover	Hydrophytic	•	
			Vegetation		
	Cover of Biotic Crus	st 0	Present? Yes	No X	_
Remarks:					

SOIL Sampling Point: SP-NW-02

S
-
/I=Matrix.
ric Soils ³ :
2) (LRR D)
-, (-)
- 22)
- - /
oroblematic.
No_X
of two required)
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of two required) erine))
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of two required) erine))
of two required) erine)) and the control of two required) erine) magery (C9)
of two required) erine))
of two required) erine)) and the control of two required) erine) magery (C9)
of two required) erine)) and the control of two required) erine) magery (C9)
of two required) erine)) and the control of two required) erine) magery (C9)
of two required) erine)) and the control of two required) erine) magery (C9)
<u>'</u>

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	City/County: Morrov	City/County: Morrow Sampling Date:				
Applicant/Owner: NextEra Energy		State: OR	Sampling Point: SP-NW-0)3		
Investigator(s): Jessica Taylor	Section, Township, R	ange: T1S R26E S12				
Landform (hillside, terrace, etc.): Hilltop	Local relief (concave, con	vex, none): concave	Slope (%): <u>1</u>			
Subregion (LRR): LRR B Lat: 45.47936	64° Long: -	-119.398478°	Datum: NAD83			
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 pe	ercent slopes	NWI classific	cation: None			
Are climatic / hydrologic conditions on the site typical	al for this time of year? Yes X	No (If no, exp	lain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal	Circumstances" present?	Yes X No			
Are Vegetation, Soil, or Hydrology		explain any answers in Rem	narks.)			
SUMMARY OF FINDINGS – Attach site		ocations, transects, i	important features, etc	;.		
Hydrophytic Vegetation Present? Yes	No X Is the Sampled A	Area				
Hydric Soil Present? Yes	No X within a Wetland		No X			
Wetland Hydrology Present? Yes	No X					
Remarks: Palustrine emergent wetland shown on NWI.						
VEGETATION – Use scientific names of	-					
<u>Tree Stratum</u> (Plot size:)	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worl	ksheet:			
1		Number of Dominant S				
2.		Are OBL, FACW, or FA	AC: 0 (A)	1		
3. 4.		Total Number of Domii Across All Strata:	nant Species 1 (B)	,		
	=Total Cover	Percent of Dominant S	Species That			
Sapling/Shrub Stratum (Plot size:)	Are OBL, FACW, or FA	AC: 0.0% (A/	B)		
1.		December of Indonesia	ulan la a séc			
2. 3.		Prevalence Index wor Total % Cover of:				
3. 4.		OBL species 0		_		
5.		FACW species 0				
_	=Total Cover	FAC species 0	x 3 = 0			
Herb Stratum (Plot size: 5)		FACU species10				
1. Bromus tectorum	15 No UPL	UPL species 15				
Sisymbrium altissimum Lactuca serriola		Column Totals: 12				
4		T Tevalence index	- D/A = 4.15			
5.		Hydrophytic Vegetati	on Indicators:			
6.		Dominance Test is				
7.		Prevalence Index i	is ≤3.0 ¹			
8			aptations ¹ (Provide supporting			
	120=Total Cover		s or on a separate sheet)			
Woody Vine Stratum (Plot size:			pphytic Vegetation ¹ (Explain)			
1. 2.		Indicators of hydric so be present, unless dist	oil and wetland hydrology must turbed or problematic.	t		
	=Total Cover	Hydrophytic	<u></u>			
		Vegetation				
% Bare Ground in Herb Stratum 0	% Cover of Biotic Crust0	Present? Yes_	No <u>X</u>			
Remarks:						

SOIL Sampling Point: SP-NW-03

Profile Desc Depth	cription: (Describe to Matrix	o the dep		i <mark>ment th</mark> k Featur		ator or o	confirm the absence	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 3/3	100					Sandy Loam	
					·			
¹ Type: C=C	oncentration, D=Deple	etion, RM=	Reduced Matrix, C	S=Cove	red or C	oated S	and Grains. ² Loc	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applicat	ole to all L	RRs, unless othe	rwise n	oted.)		Indicato	rs for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Red	. ,				Muck (A9) (LRR C)
Histic Ep	pipedon (A2)		Stripped M	-	-			Muck (A10) (LRR B)
Black Hi	` '		Loamy Mud	-				Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-				uced Vertic (F18)
	l Layers (A5) (LRR C))	Depleted M		-			Parent Material (F21)
	ick (A9) (LRR D)		Redox Dar		. ,			Shallow Dark Surface (F22)
	d Below Dark Surface	(A11)	Depleted D)	Othe	r (Explain in Remarks)
	ark Surface (A12)		Redox Dep	ression	s (F8)			
	lucky Mineral (S1)	3						
	leyed Matrix (S4)	Indicato	rs of hydrophytic ve	egetatio	n and we	etland hy	drology must be prese	ent, unless disturbed or problematic.
	Layer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Presen	t? Yes No X
HYDROLC	GY							
_	drology Indicators:							
	cators (minimum of or	ne is requi						ry Indicators (minimum of two required)
	Water (A1)		Salt Crust	` '				er Marks (B1) (Riverine)
	iter Table (A2)		Biotic Crus					ment Deposits (B2) (Riverine)
Saturation	,	\	Aquatic Inv		` '			Deposits (B3) (Riverine)
	arks (B1) (Nonriverin		Hydrogen S		-			nage Patterns (B10)
	nt Deposits (B2) (Non		Oxidized R Presence of			-		Season Water Table (C2)
	oosits (B3) (Nonriveri Soil Cracks (B6)	ne)	Recent Iron			` '		fish Burrows (C8) ration Visible on Aerial Imagery (C9)
	on Visible on Aerial Im	nagery (R7				illed Soil		low Aquitard (D3)
	tained Leaves (B9)	lagery (D7	Other (Exp					-Neutral Test (D5)
Field Obser	. ,		Other (Exp	iaiii iii i	cinario,			-Noutian rest (Do)
Surface Wat			No X	Depth (i	nches).	0		
Water Table				Depth (i	· -	0		
Saturation P				Depth (i	′ -	0	Wetland Hydrolo	gy Present? Yes No X
(includes cap				Pui (II	_	<u> </u>		<u></u>
	corded Data (stream (gauge, mo	nitoring well, aerial	photos,	previou	s inspec	tions), if available:	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	City/County: Morrow	City/County: Morrow Sampling Date:				
Applicant/Owner: NextEra Energy		State: OR	Sampling Point:	SP-NW-04		
Investigator(s): Jessica Taylor	Section, Township, Ra	inge: T1N R27E S14				
Landform (hillside, terrace, etc.): Hilltop	Local relief (concave, conv	ex, none): <u>concave</u>	Slop	e (%): <u>1</u>		
Subregion (LRR): LRR B Lat: 45.479364°	Long:1	I19.398478°	Datum:	NAD83		
Soil Map Unit Name: 63B: Valby silt loam, 1 to 7 percent sl	opes	NWI classific	cation: None			
Are climatic / hydrologic conditions on the site typical for thi	s time of year? Yes X	No (If no, expl	ain in Remarks.)			
Are Vegetation X , Soil X , or Hydrology X signi	ficantly disturbed? Are "Normal C	Circumstances" present?	Yes X No			
Are Vegetation, Soil, or Hydrologynatur	ally problematic? (If needed, ex	plain any answers in Rem	arks.)			
SUMMARY OF FINDINGS – Attach site map s	howing sampling point lo	cations, transects, i	mportant feat	ıres, etc.		
Hydrophytic Vegetation Present? Yes No	Is the Sampled A	rea				
Hydric Soil Present? Yes No			No X			
Wetland Hydrology Present? Yes X No	_		· · · · · · · · · · · · · · · · · · ·			
Remarks: Manmade livestock pond, berm area collects water on slig vegetation, grazed or otherwise within the bermed area.	ht slope. Surface was wet (it was ra	aining during surveys) but	was dry in the pit.	No		
VEGETATION – Use scientific names of plan	ts.					
	osolute Dominant Indicator Cover Species? Status	Dominance Test work	rahaati			
Tree Stratum (Plot size:)	Cover Species? Status	Number of Dominant S				
2.		Are OBL, FACW, or FA		0 (A)		
3.		Total Number of Domir	nant Species			
4		Across All Strata:		1 (B)		
Sapling/Shrub Stratum (Plot size:) 1.	=Total Cover	Percent of Dominant S Are OBL, FACW, or FA	•	0% (A/B)		
2.		Prevalence Index wor	ksheet:			
3		Total % Cover of:		ply by:		
4		OBL species 0		0		
5	=Total Cover	FACW species 0 FAC species 0		0		
—— Herb Stratum (Plot size: 10)		FACU species 3		12		
1. Poa bulbosa	3 Yes FACU	UPL species 0		0		
2.		Column Totals: 3	(A)	12 (B)		
3		Prevalence Index =	B/A = 4.00			
4 5.		Hydrophytic Vegetation	an Indiantora			
6.		Dominance Test is				
7.		Prevalence Index is				
8.		Morphological Ada				
	3 =Total Cover		or on a separate	-		
Woody Vine Stratum (Plot size:)		Problematic Hydro	phytic Vegetation ¹	(Explain)		
1		¹ Indicators of hydric so be present, unless dist				
	=Total Cover	Hydrophytic				
		Vegetation				
	r of Biotic Crust 0	Present? Yes_	No	_		
Remarks:						

SOIL Sampling Point: SP-NW-04

Profile Desc Depth	cription: (Describe Matrix	to the depth		ument t		tor or c	onfirm the	absence of indic	cators.)	
	Color (moist)	%				Loc ²	Tout	huro.	Domarko	
(inches)			Color (moist)	%	Type ¹	Loc	Text		Remarks	
0-7	10YR 3/2	100					Silt Lo	<u>am</u>		
-							-			
	-									
l										
	•									_
¹ Type: C=C	oncentration, D=Dep	oletion, RM=R	educed Matrix,	CS=Cove	ered or Co	oated Sa	and Grains.	² Location: F	PL=Pore Lining, M=	Matrix.
Hydric Soil	Indicators: (Applic	able to all LR	Rs, unless oth	erwise n	oted.)			Indicators for P	Problematic Hydric	Soils ³ :
Histosol	(A1)		Sandy Re	dox (S5)				1 cm Muck ((A9) (LRR C)	
Histic Ep	pipedon (A2)		Stripped N	Matrix (Se	6)			2 cm Muck ((A10) (LRR B)	
Black Hi	stic (A3)		Loamy Mu	ucky Min	eral (F1)			Iron-Mangar	nese Masses (F12)	(LRR D)
	n Sulfide (A4)		Loamy Gl	-				Reduced Ve		` ,
	d Layers (A5) (LRR	C)	Depleted	-					Material (F21)	
	ıck (A9) (LRR D)	•	Redox Da						w Dark Surface (F2	2)
	d Below Dark Surfac	e (A11)	Depleted						ain in Remarks) `	,
l ——	ark Surface (A12)	,	Redox De					` '	,	
	lucky Mineral (S1)			•	` '					
I ——	Gleyed Matrix (S4)	³ Indicators	of hydrophytic	vegetatio	n and we	tland hv	droloav mu	st be present, unle	ess disturbed or pro	blematic.
	Layer (if observed)					Ī		· · ·	•	
Type:	Rock restr									
Depth (in		7	_				Hydric Sc	oil Present?	Yes	No
Remarks:			=				,			
HYDROLC	OGY									
_	drology Indicators:									
Primary India	cators (minimum of	one is required	d; check all that	apply)					ators (minimum of t	wo required)
Surface	Water (A1)		Salt Crust	t (B11)				Water Mark	s (B1) (Riverine)	
	ater Table (A2)		Biotic Cru					Sediment D	eposits (B2) (River i	ne)
Saturation	on (A3)		Aquatic In		, ,			Drift Deposi	ts (B3) (Riverine)	
	larks (B1) (Nonrive r		Hydrogen						atterns (B10)	
	nt Deposits (B2) (No		Oxidized I	•		•	oots (C3)		Water Table (C2)	
	oosits (B3) (Nonrive	rine)	Presence		,	,		Crayfish Bu		
	Soil Cracks (B6)		Recent Iro			lled Soil	s (C6)		/isible on Aerial Ima	gery (C9)
	on Visible on Aerial	Imagery (B7)	Thin Mucl					Shallow Aqu		
Water-S	tained Leaves (B9)		Other (Ex	plain in F	Remarks)			FAC-Neutra	l Test (D5)	
Field Obser	vations:									
Surface Wat	er Present? Y	es	No X	Depth (i	nches):	0				
Water Table	Present? Y	es	No X	Depth (i	inches):	0				
Saturation P	resent? Y	es	No X	Depth (i	inches):	0	Wetland	d Hydrology Pres	sent? Yes X	No
(includes cap										
Describe Re	corded Data (stream	n gauge, moni	toring well, aeria	al photos	, previous	sinspec	tions), if ava	ailable:		
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	C	ity/County: Morrow	V	Sampling Date:	10/25/22
Applicant/Owner: NextEra Energy			State: OR	Sampling Point:	SP-NW-05
Investigator(s): Jessica Taylor	Se	ection, Township, Ra	ange: T1S R26E S12		
Landform (hillside, terrace, etc.): Hilltop	Local r	elief (concave, conv	vex, none): concave	Slop	e (%): <u>1</u>
Subregion (LRR): LRR B Lat: 45.479364°		Long:	119.398478°	Datum:	NAD83
Soil Map Unit Name: 78: Xeric Torriorthents, nearly level			NWI classit	fication: None	
Are climatic / hydrologic conditions on the site typical for	this time of year?	Yes X	No (If no, exp	plain in Remarks.)	
Are Vegetation, Soil, or Hydrologysig	gnificantly disturb	ed? Are "Normal	Circumstances" present?	Yes X No	
Are Vegetation, Soil, or Hydrologyna	turally problemati	ic? (If needed, ex	xplain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site map	showing sai	mpling point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes No	Х	Is the Sampled A	Area		
Hydric Soil Present? Yes No	X	within a Wetland	l? Yes	No X	
Wetland Hydrology Present? Yes No_	X				
Remarks: Palustrine emergent wetland shown on NWI.					
VEGETATION – Use scientific names of pla					
		inant Indicator cies? Status	Dominance Test wo	rksheet:	
1.	<u> </u>	oloo. Olalao	Number of Dominant		
2.			Are OBL, FACW, or F		0 (A)
3.			Total Number of Dom	inant Species	(5)
4.	= =Total	Cover	Across All Strata:	<u> </u>	1 (B)
Sapling/Shrub Stratum (Plot size:)		Covei	Percent of Dominant Are OBL, FACW, or F	•	.0% (A/B)
1			, ,		` ′
2			Prevalence Index wo		
3			Total % Cover of		ply by:
4 5.			_ · · · · -	0 x1= 0 x2=	0
·	=Total	Cover			0
Herb Stratum (Plot size: 5)			-	60 x 4 = 2	240
Pseudoroegneria spicata	10 N	lo UPL	· -		50
2. Sisymbrium altissimum	60 Y	es FACU		` ′	.90 (B)
3			Prevalence Index	= B/A = 4.14	
5.			Hydrophytic Vegetat	tion Indicators:	
6.			Dominance Test		
7			Prevalence Index		
8				aptations ¹ (Provide s	
<u>-</u> <u>Woody Vine Stratum</u> (Plot size:)	=Total	Cover		ophytic Vegetation ¹	,
1			¹ Indicators of hydric s		
2.			be present, unless dis		
	=Total	Cover	Hydrophytic		
% Bare Ground in Herb Stratum 30 % Co	ver of Biotic Crus	·t 0	Vegetation Present? Yes	No. V	
Remarks:	OVER OF DIOLIC CRUS	t 0	rieseiit! Tes	No_X	_
iveillains.					

SOIL Sampling Point: SP-NW-05

Profile Desc Depth	ription: (Describe t Matrix	o the depti		ument the x Feature		ator or c	confirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 3/3	100	Color (molet)		1900		Sandy Loam	
0-14	10113/3	100						
¹Type: C=C	oncentration, D=Deple	etion RM=	Reduced Matrix (S=Cove	red or C	nated S	and Grains ² Loca	tion: PL=Pore Lining, M=Matrix.
	ndicators: (Applical					oated 5		s for Problematic Hydric Soils ³ :
Histosol		ole to all L	Sandy Re		otea.,			Muck (A9) (LRR C)
	pipedon (A2)		Stripped M		;)			Muck (A10) (LRR B)
Black His			Loamy Mu					Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle	-				ced Vertic (F18)
	l Layers (A5) (LRR C	١	Depleted I	•	` '			Parent Material (F21)
	ck (A9) (LRR D)	,	Redox Da					Shallow Dark Surface (F22)
	l Below Dark Surface	(A11)	Depleted [` '	١		(Explain in Remarks)
	rk Surface (A12)	(Δ11)	Redox De			,		(Explain in Nemarks)
	lucky Mineral (S1)		Redox De	pressions	5 (1-0)			
	leyed Matrix (S4)	³ Indicator	es of hydrophytic y	enetation	and we	atland hy	ydrology must he prese	nt, unless disturbed or problematic.
	_ayer (if observed):	maioatoi	o or riyaropriyao v	- cgotatioi	Tuna we	Juliana my	Tarology mast be presen	int, unless distarsed of prosicinatio.
Type:	-ayer (ii observeu).							
Depth (ir	ochee).						Hydric Soil Present	? Yes No_X
Remarks:							Tryunc don't resent	163 NO_X_
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
Primary India	cators (minimum of or	ne is require	ed; check all that	apply)			Secondar	y Indicators (minimum of two required)
Surface	Water (A1)		Salt Crust	(B11)			Water	Marks (B1) (Riverine)
High Wa	ter Table (A2)		Biotic Crus	st (B12)			Sedim	nent Deposits (B2) (Riverine)
Saturation	on (A3)		Aquatic In	vertebrat	es (B13))	Drift D	Deposits (B3) (Riverine)
Water M	arks (B1) (Nonriverii	ne)	Hydrogen	Sulfide C	Odor (C1)	Draina	age Patterns (B10)
Sedimer	t Deposits (B2) (Non	riverine)	Oxidized F	Rhizosph	eres on I	Living R	oots (C3) Dry-S	eason Water Table (C2)
Drift Dep	osits (B3) (Nonriveri	ne)	Presence	of Reduc	ed Iron ((C4)	Crayfi	sh Burrows (C8)
Surface	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Ti	lled Soil	s (C6) Satura	ation Visible on Aerial Imagery (C9)
Inundation	on Visible on Aerial In	nagery (B7)	Thin Muck	Surface	(C7)		Shallo	ow Aquitard (D3)
Water-S	tained Leaves (B9)		Other (Exp	olain in R	emarks)		FAC-1	Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present? Yes	6	No X	Depth (in	nches):	0		
Water Table	Present? Yes	<u></u>	No X	Depth (in	nches):	0		
Saturation P	resent? Yes	<u> </u>	No X	Depth (in	nches):	0	Wetland Hydrolog	y Present? Yes No X
(includes cap	oillary fringe)				_			
Describe Re	corded Data (stream	gauge, mor	nitoring well, aeria	il photos,	previous	s inspec	tions), if available:	
Describe Re	corded Data (stream	gauge, mor	nitoring well, aeria	Il photos,	previous	s inspec	tions), if available:	
	corded Data (stream	gauge, mor	nitoring well, aeria	Il photos,	previous	s inspec	tions), if available:	
	corded Data (stream	gauge, mor	nitoring well, aeria	Il photos,	previous	s inspec	tions), if available:	

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Applicant/Owner: NextEra State: OR Investigator(s): Katie Pyne, Sara Frank, Jessica Taylor Section, Township, Range: 1S 28 E 036 Landform (hillside, terrace, etc.): Ridge Local relief (concave, convex, none): Concave	Sampling Point: Slop Datum:	SP-1	000a
Landform (hillside, terrace, etc.): Ridge Local relief (concave, convex, none): Concave	<u> </u>	(0/)-	
	<u> </u>	(0/).	
	Datum:	be (%):	0
Subregion (LRR): LRR B Lat: 45.436538 Long: -119.273319		WGS	84
Soil Map Unit Name: 3D - Bakeoven-Morrow complex, 2 to 20 percent slopes NWI classifie	cation: N/A		
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, expl	ain in Remarks.)		
Are Vegetation, Soil, or Hydrologysignificantly disturbed? Are "Normal Circumstances" present?	Yes_X_ No	٥	_
Are Vegetation, SoilX_, or Hydrologynaturally problematic? (If needed, explain any answers in Rer	narks.)	'	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects,		atures	, etc.
Hydrophytic Vegetation Present? Yes No _X Is the Sampled Area			
Hydric Soil Present? Yes No X within a Wetland? Yes X	No		
Wetland Hydrology Present? Yes X No			
Remarks:			
VEGETATION III : (16)			
VEGETATION – Use scientific names of plants. Absolute Dominant Indicator I			
Tree Stratum (Plot size: 30 ft) % Cover Species? Status Dominance Test work	sheet:		
1. Number of Dominant S	pecies That		
2 Are OBL, FACW, or FA	.C:	0	(A)
3 Total Number of Domir 4. Across All Strata:	ant Species	2	(B)
=Total Cover Percent of Dominant S	pecies That		•
Sapling/Shrub Stratum (Plot size: 15 ft) Are OBL, FACW, or FA	VC: 0	.0%	(A/B)
1			
2 Prevalence Index wor 3. Total % Cover of:		iply by:	
3		0	
5. FACW species 2		4	•
=Total Cover FAC species 0	x 3 =	0	
Herb Stratum (Plot size: 5 ft) FACU species 20		80	
1. Grindelia squarrosa 5 Yes FACU UPL species 0	x 5 =	0	(D)
2. Poa secunda 15 Yes FACU Column Totals: 22 3. Navarretia intertexta 2 No FACW Prevalence Index =		84	(B)
4. — — — — — — — — — — — — — — — — — — —	- B/A - 0.02	_	•
5. Hydrophytic Vegetation	on Indicators:		
6 Dominance Test is	>50%		
7 Prevalence Index i			
8 Morphological Ada	ptations¹ (Provide s or on a separate		ting
		,	in)
Woody Vine Stratum (Plot size: 5 ft) X Problematic Hydro 1			,
2. Indicators of nyaric so be present, unless dist			nust
=Total Cover Hydrophytic	•		
Vegetation			
% Bare Ground in Herb Stratum 80 % Cover of Biotic Crust Present? Yes	No_X	_	
Remarks:			
Vernal pool. Soils and vegetation do not meet currently because of early season visit.			

SOIL Sampling Point: SP-1000a

Profile Desc Depth	cription: (Describe to Matrix	the depth		iment t l k Featur		tor or	confirm the absence	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/2	100	,				Loamy/Clayey	Silt Loam
							-	
								-
• • • • • • • • • • • • • • • • • • • •	oncentration, D=Deple					oated S		cation: PL=Pore Lining, M=Matrix.
	Indicators: (Applicab	le to all LR						ors for Problematic Hydric Soils ³ :
Histosol	` '		Sandy Red					n Muck (A9) (LRR C)
	pipedon (A2)		Stripped M	-	-			n Muck (A10) (LRR B)
	stic (A3)		Loamy Mu	-				-Manganese Masses (F12) (LRR D)
	en Sulfide (A4)		Loamy Gle	-				uced Vertic (F18)
	d Layers (A5) (LRR C)		Depleted N	•	,			Parent Material (F21)
	ick (A9) (LRR D)	(444)	Redox Dar		, ,			y Shallow Dark Surface (F22)
	d Below Dark Surface	(A11)	Depleted [)	Oth	er (Explain in Remarks)
	ark Surface (A12) Nucky Mineral (S1)		Redox Dep	pression	s (F8)			
	Gleyed Matrix (S4)	3Indicators	of hydrophytic y	ogototio	n and wa	tland h	udrology must be pres	ent, unless disturbed or problematic.
	Layer (if observed):	Indicators	s of flydropflytic v	egetatio	ii aiiu we	ilanu n	ydiology must be pres	erit, unless disturbed of problematic.
Type:	Rock							
Depth (i		3					Hydric Soil Preser	nt? Yes No X
Remarks:			_					
	shallow soils. Clayey s	soils are ne	iping to retain wa	ter in ve	rnai pooi	-		
HYDROLO								
_	drology Indicators:	_ !!	ما المال ما المال المال المال المال				Casand	la dia akana (mainina ma af fina na maina
	cators (minimum of on Water (A1)	e is require						ary Indicators (minimum of two require er Marks (B1) (Riverine)
	ater Table (A2)		Salt Crust Biotic Crus	` '				iment Deposits (B2) (Riverine)
Saturation	` '		Aquatic Inv		toc (B13)			Deposits (B3) (Riverine)
	larks (B1) (Nonriverin	ام)	Hydrogen		, ,			inage Patterns (B10)
	nt Deposits (B2) (Non		Oxidized F					Season Water Table (C2)
	posits (B3) (Nonriveri		Presence			-	, , <u> </u>	yfish Burrows (C8)
	Soil Cracks (B6)	-,	Recent Iro			` '		uration Visible on Aerial Imagery (C9)
	on Visible on Aerial Im	agery (B7)	Thin Muck				` ′	llow Aquitard (D3)
	tained Leaves (B9)	0 , (,	Other (Exp				FAC	C-Neutral Test (D5)
Field Obser	vations:							
Surface Wat	er Present? Yes		No X	Depth (i	nches):			
Water Table	Present? Yes		No X	Depth (i	nches):			
Saturation P	resent? Yes		No X	Depth (i	nches):		Wetland Hydrolo	gy Present? Yes X No
(includes cap	oillary fringe)					-		
Describe Re	corded Data (stream g	jauge, mon	itoring well, aeria	photos	, previous	s insped	ctions), if available:	
Remarks:								
- -								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County:	County: Morrow Sampling Date: 0				: 03/2	8/2023
Applicant/Owner: NextEra			R Sar	mpling Point	: SP-	-1000b		
Investigator(s): Katie Pyne, Sara Frank, Jessica Taylor	or Section, Township, Range: 1S 28E 036							
Landform (hillside, terrace, etc.): Ridge	Loca	I relief (conca	ave, convex,	none): Flat		SI	ope (%)): <u>0</u>
Subregion (LRR): <u>LRR B</u> Lat: <u>45.436541</u>		<u> </u>	Long: <u>-119.2</u>	273296		Datum	: <u>WG</u>	S 84
Soil Map Unit Name: Bakeoven-Morrow complex, 2 to 20	percent slopes	3		NWI	classificatio	n: <u>N/A</u>		
Are climatic / hydrologic conditions on the site typical for	this time of yea	r? Yes	<u>X</u> N	o (If r	no, explain i	n Remarks.))	
Are Vegetation, Soil, or Hydrologysiç	gnificantly distu	rbed? Are "I	Normal Circu	ımstances" pre	esent? Ye	es X	No	
Are Vegetation, Soil, or Hydrologyna	turally problem	atic? (If ne	eded, explair	n any answers	in Remark	s.)		
SUMMARY OF FINDINGS – Attach site map	showing s	ampling p	ooint locat	tions, trans	sects, im	portant fe	ature	s, etc
Hydrophytic Vegetation Present? Yes No	X	Is the Sa	mpled Area					
	X		Wetland?	Yes	N	lo <u>X</u>		
Wetland Hydrology Present? Yes No				•				
Remarks:								
VEGETATION – Use scientific names of pla		minant Ind	liaatar I					
Tree Stratum (Plot size: 30 ft)			dicator tatus D e	ominance Tes	st workshe	et:		
1.			NI NI	umber of Dom	inant Speci	es That		
2			Ar	re OBL, FACW	V, or FAC:		0	(A)
3. 4.				otal Number of cross All Strata		Species	3	(B)
Sapling/Shrub Stratum (Plot size: 15 ft)	=Tota	al Cover		ercent of Dom	•	es That	0.0%	 (A/B)
1.			'"	O O D L, 1710 V	v, or 1710.		0.070	_(,,,,,,
2.			Pı	revalence Ind	ex worksh	eet:		
3.				Total % Co	over of:	Mu	ıltiply by	<i>l</i> :
4				BL species	0	x 1 =	0	_
5	T.4	-1.0		ACW species		_ x 2 =	0	_
<u>-</u> <u>Herb Stratum</u> (Plot size: 5 ft)	=100	al Cover		AC species ACU species	20	x 3 = x 4 =	0 80	_
Pseudoroegneria spicata	40	Yes L		PL species	80	_	400	_
Bromus tectorum				olumn Totals:	100	(A)	480	(B)
3. Achillea millefolium	20		ACU	Prevalence I			80	<u>-</u> ` ′
4								
5			H	ydrophytic Ve	_			
6			_	Dominance				
7. 8.				Prevalence Morphologic			e cunno	ortina
o	100 =Tota	al Cover				ons (i fovid on a separat		
Woody Vine Stratum (Plot size: 5 ft)				Problemation	Hydrophyti	ic Vegetatio	n ¹ (Expl	ain)
1			1 1	_ ndicators of hy	dric soil and	d wetland hy	drology	must
2			be	present, unle	ess disturbed	d or problem	ıatic.	
-	=Tota	al Cover		ydrophytic				
% Bare Ground in Herb Stratum % Cov	er of Biotic Cru	ıst		egetation resent?	Yes	No_>	<	
Remarks:								-
Upland plot.								

SOIL Sampling Point: SP-1000b

Profile Desc Depth	cription: (Describe to Matrix	the depth		ıment tl x Featur		tor or	confirm the absence	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/3	100					Loamy/Clayey	Silt Loam
¹ Type: C=Co	oncentration, D=Deple	tion. RM=R	educed Matrix. C	S=Cove	ered or Co		and Grains. ² Loca	ation: PL=Pore Lining, M=Matrix.
• •	Indicators: (Applicat					-		rs for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Red	dox (S5)			1 cm	Muck (A9) (LRR C)
Histic Ep	pipedon (A2)		Stripped M	latrix (S	3)		2 cm	Muck (A10) (LRR B)
Black Hi	` '		Loamy Mu	-			Iron-	Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gle					uced Vertic (F18)
	d Layers (A5) (LRR C)		Depleted N					Parent Material (F21)
	ick (A9) (LRR D)	(* 4 4)	Redox Dar		` '			Shallow Dark Surface (F22)
	Below Dark Surface	(A11)	Depleted [Othe	r (Explain in Remarks)
	ark Surface (A12)		Redox Dep	oression	s (F8)			
	lucky Mineral (S1) Bleyed Matrix (S4)	3Indicators	of hydrophytic y	ogototio	n and wa	tland h	udralagy must be proce	ent, unless disturbed or problematic.
		Illulcators	or riyuropriyiic v	egetatio	ii aliu we	uanu n	ydiology must be prese	ent, unless disturbed of problematic.
	Layer (if observed):							
Type: Depth (ir	uchee).		_				Hydric Soil Present	? Yes No_X
Remarks:			_				Tiyunc 30ii Freseiii	163NOX
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
Primary Indic	cators (minimum of on	<u>ie is required</u>	d; check all that a	apply)				ry Indicators (minimum of two required)
	Water (A1)		Salt Crust	` ,				er Marks (B1) (Riverine)
	iter Table (A2)		Biotic Crus					ment Deposits (B2) (Riverine)
Saturation	` '		Aquatic Inv		` ,			Deposits (B3) (Riverine)
	larks (B1) (Nonriverir nt Deposits (B2) (Non		Hydrogen Ovidized F					nage Patterns (B10)
	oosits (B3) (Nonriveri	•	Oxidized F			_		Season Water Table (C2) fish Burrows (C8)
	Soil Cracks (B6)	116)	Recent Iro			,		ration Visible on Aerial Imagery (C9)
	on Visible on Aerial Im	nagery (B7)	Thin Muck			iiou ooi		low Aquitard (D3)
	tained Leaves (B9)	90.) (2.)	Other (Exp					-Neutral Test (D5)
Field Obser	vations:							,
Surface Wat	er Present? Yes	;	No X	Depth (i	nches):			
Water Table	Present? Yes	<u> </u>	No X	Depth (i	nches):			
Saturation P	resent? Yes		No X	Depth (i	nches):		Wetland Hydrolog	gy Present? Yes No _X
(includes cap								
Describe Re	corded Data (stream ç	gauge, moni	toring well, aeria	l photos	, previous	sinsped	ctions), if available:	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow		Sampling Date:	03/28/2023
Applicant/Owner: NextEra	State: OR	Sampling Point:	SP-1001a			
Investigator(s): Katie Pyne, Sara Frank, Jessica Taylor		Section,	Township, R	ange: <u>1S 28 E 036</u>		
Landform (hillside, terrace, etc.): Ridge	l	_ocal relief (c	oncave, con	/ex, none): Concave	Slop	e (%): 0
Subregion (LRR): LRR B Lat: 45.4371			Long: -	119.272873	Datum:	WGS 84
Soil Map Unit Name: <u>3D - Bakeoven-Morrow complex,</u>	2 to 20 perce	ent slopes		NWI classifi	cation: N/A	
Are climatic / hydrologic conditions on the site typical for	or this time of	year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly o	disturbed? A	re "Normal (Circumstances" present?	Yes X No	
Are Vegetation, SoilX_, or Hydrology	naturally prot	olematic? (If needed, ex	xplain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site ma	ıp showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes X No	o	Is the	Sampled A	rea		
Hydric Soil Present? Yes X No	0	withi	n a Wetland	? Yes X	No	
Wetland Hydrology Present? Yes X No	<u> </u>					
Remarks:						
VEGETATION – Use scientific names of p	 lante					
VEGETATION - 030 301011.1110 Haines of p	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30 ft)	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1 2.				Number of Dominant S Are OBL, FACW, or F	•	0 (A)
3.				Total Number of Domi	nant Species	
4				Across All Strata:	·	2 (B)
Sapling/Shrub Stratum (Plot size: 15 ft	=)	=Total Cover		Percent of Dominant S Are OBL, FACW, or Fa	•	0% (A/B)
1.						` '
2				Prevalence Index wo	rksheet:	
3.				Total % Cover of		ply by:
5.				OBL species 0 FACW species 2		<u>0</u> 4
J		Total Cover		FAC species 0		0
Herb Stratum (Plot size: 5 ft)				FACU species 5		20
Grindelia squarrosa	5	Yes	FACU	UPL species 5	x 5 =	25
2. Allium tolmiei	5	Yes	UPL	Column Totals: 12	` ′	49 (B)
3. Navarretia intertexta	2	No	FACW	Prevalence Index :	= B/A = <u>4.08</u>	
4 5.				Hydrophytic Vegetati	on Indicators:	
6.				Dominance Test is		
7.				Prevalence Index	is ≤3.0 ¹	
8.				l <u>—</u>	aptations¹ (Provide s	
	12=	=Total Cover			s or on a separate s	*
Woody Vine Stratum (Plot size: 5 ft)			X Problematic Hydro	. , .	` ' '
1. 2.				¹ Indicators of hydric so be present, unless dis		
		Total Cover		Hydrophytic		
				Vegetation		
% Bare Ground in Herb Stratum 90 % C	Cover of Biotic	c Crust		Present? Yes	No	
Remarks:						
Vernal pool. Soils and vegetation do not meet currentl	y pecause of	earry season	VISIL.			

SOIL Sampling Point: SP-1001a

Depth	ption: (Describe to Matrix			c Feature					-,	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-3	10YR 3/1	100					Loamy/Clayey	Clav loan	n, organic matter	in soil
									, 3	
								-		
			_					_		
								_		
								_		
							-	- (
	_									
¹ Type: C=Con	centration, D=Depl	etion, RM=R	educed Matrix, C	S=Cove	red or C	oated S	and Grains. ² Lo	ocation: PL=Po	re Lining, M=Ma	trix.
Hydric Soil Inc	dicators: (Applica	ble to all LR	Rs, unless othe	rwise n	oted.)		Indicat	tors for Proble	matic Hydric Sc	oils³:
Histosol (A	N1)		Sandy Red	ox (S5)			1 0	m Muck (A9) (I	LRR C)	
Histic Epip	edon (A2)		Stripped M	atrix (S6	6)			m Muck (A10)		
Black Histi	ic (A3)		Loamy Mu	cky Mine	eral (F1)		Iro	n-Manganese N	Masses (F12) (LF	RR D)
Hydrogen	Sulfide (A4)		Loamy Gle	yed Mat	rix (F2)		Re	duced Vertic (F	⁻ 18)	
Stratified L	ayers (A5) (LRR C	·)	Depleted N	1atrix (F	3)		Re	d Parent Mater	ial (F21)	
	(A9) (LRR D)		Redox Dar	k Surfac	e (F6)		Ve	ry Shallow Darl	k Surface (F22)	
Depleted E	Below Dark Surface	(A11)	Depleted D	ark Surf	face (F7))	Ot	her (Explain in l	Remarks)	
Thick Dark	Surface (A12)		Redox Dep	ressions	s (F8)					
Sandy Mud	cky Mineral (S1)									
Sandy Gle	yed Matrix (S4)	³ Indicators	of hydrophytic v	egetation	n and we	tland h	drology must be pre	sent, unless di	sturbed or proble	matic.
	yer (if observed):									
Type:	Rock									
Depth (incl	hes):	3					Hydric Soil Prese	ent?	Yes X	No
HYDROLOG	Υ									
-	ology Indicators:									
-	tors (minimum of o	ne is require							(minimum of two	required
X Surface W			Salt Crust					ater Marks (B1)		
	r Table (A2)		Biotic Crus		(5.46)				s (B2) (Riverine))
Saturation	` '	\	Aquatic Inv		` '			ft Deposits (B3		
	ks (B1) (Nonriveri		Hydrogen S		•	•		ainage Patterns		
	Deposits (B2) (Nor		Oxidized R	•		•	· · · — ·	y-Season Wate		
	sits (B3) (Nonriver	ine)	Presence of					ayfish Burrows		n/ (C0)
X Surface So	Visible on Aerial Ir	mageny (R7)	Recent Iron Thin Muck			ileu Soi		allow Aquitard	on Aerial Imagei (D3)	1y (C9)
	ined Leaves (B9)	nagery (br)	Other (Exp					.C-Neutral Test		
Field Observa	. ,		Other (EXP	iaiii iii i	omano,			To recultur rest	(50)	
Surface Water		s X	No	Depth (ir	nches):	2				
Water Table Pi				Depth (ir	· -					
Saturation Pres				Depth (ir			Wetland Hydrol	ogy Present?	Yes X	No
					_					
(includes capill					provious	inana				
(includes capill Describe Reco	rded Data (stream	gauge, mon	itoring well, aerial	photos,	previous	sinspec	ctions), if available:			
Describe Reco		gauge, mon	itoring well, aerial	photos,	previous	s irispec	ctions), if available:			
•		gauge, mon	itoring well, aerial	photos,	previous	s irispec	ctions), if available:			
Describe Reco		gauge, mon	itoring well, aerial	photos,	previous	s inspec	ctions), if available:			

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	C	ity/County: Morrow		Sampling Date:	03/29/2023
Applicant/Owner: NextEra			State: OR	Sampling Point:	SP-1001b
Investigator(s): Katie Pyne, Sara Frank, Jessica Taylor	Se	ection, Township, Ra	ange: 1S 28E 035		
Landform (hillside, terrace, etc.): Ridge	Local r	elief (concave, conv	/ex, none): Flat	Slope	e (%): <u>0</u>
Subregion (LRR): LRR B Lat: 45.437122		Long:1	119.272822	Datum:	WGS 1984
Soil Map Unit Name: Bakeoven-Morrow complex, 2 to 20	percent slopes		NWI classific	cation: N/A	
Are climatic / hydrologic conditions on the site typical for	this time of year?	Yes X	No (If no, expla	ain in Remarks.)	
Are Vegetation, Soil, or Hydrologysig	gnificantly disturb	ed? Are "Normal 0	Circumstances" present?	Yes X No	
Are Vegetation , Soil , or Hydrology na			xplain any answers in Rem	·	
SUMMARY OF FINDINGS – Attach site map	showing sa	mpling point lo	cations, transects, i	important featu	ıres, etc.
Hydrophytic Vegetation Present? Yes No	Х	Is the Sampled A	rea		
Hydric Soil Present? Yes No	X	within a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes No	X				
Remarks:					
VECETATION . Her estantific names of pla					
VEGETATION – Use scientific names of pla		inant Indicator	T		
<u>Tree Stratum</u> (Plot size: 30 ft)		cies? Status	Dominance Test work	sheet:	
1.			Number of Dominant S	•	(4)
2. 3.			Are OBL, FACW, or FA) (A)
4.			Total Number of Domin Across All Strata:	nant Species 2	2 (B)
	=Total	Cover	Percent of Dominant Sp	pecies That	``
Sapling/Shrub Stratum (Plot size: 15 ft)			Are OBL, FACW, or FA	•	0% (A/B)
1					
2. 3.			Prevalence Index wor		lv by
			Total % Cover of: OBL species 0	$\frac{\text{Multip}}{\text{x 1 = 0}}$	
5.			FACW species 0		
	=Total	Cover	FAC species 0	x 3 = 0)
Herb Stratum (Plot size: 5 ft)			FACU species 40	x 4 = 16	0
Poa secunda		es FACU	UPL species 5	x 5 =2	
2. Horddeum murinum		es	Column Totals: 45		85 (B)
Antennaria dimorpha Achillea millefolium		No UPL	Prevalence Index =	B/A = 4.11	—
5.			Hydrophytic Vegetation	on Indicators:	
6.			Dominance Test is		
7.			Prevalence Index is	s ≤3.0 ¹	
8			· · · · · ·	ptations¹ (Provide su	
<u>-</u>	90 =Total	Cover		or on a separate sh	,
Woody Vine Stratum (Plot size: 5 ft)			l 	phytic Vegetation ¹ (I	. ,
1			¹ Indicators of hydric soi be present, unless distu		
 -	=Total	Cover	·	and or problematic	·-
-			Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 10 % Co	ver of Biotic Crus	t	Present? Yes_	NoX	
Remarks:					
Upland Plot					

SOIL Sampling Point: SP-1001b

Profile Desc Depth	cription: (Describe t Matrix	o the depth		ıment tl x Featur		ator or	confirm the absence of	of indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 3/3	100	,				Loamy/Clayey	Silt Loam	l
	oncentration, D=Depl					oated S		ation: PL=Pore Lining, M	
-	Indicators: (Applical	ole to all LR			-			s for Problematic Hydri	ic Soils":
Histosol	` '		Sandy Red					Muck (A9) (LRR C)	
	pipedon (A2)		Stripped M	•	•			Muck (A10) (LRR B) Manganese Masses (F12) /I DD D\
Black Hi	n Sulfide (A4)		Loamy Mu					wanganese wasses (F12 ced Vertic (F18)	(LKK D)
	l Layers (A5) (LRR C	١	Depleted N	-				Parent Material (F21)	
	ick (A9) (LRR D)	,	Redox Dar	,	,			Shallow Dark Surface (F.	22)
	d Below Dark Surface	(A11)	Depleted [)		r (Explain in Remarks)	
	ark Surface (A12)	()	Redox De			,	<u> </u>	(
	lucky Mineral (S1)		 '		(- /				
	sleyed Matrix (S4)	³ Indicators	of hydrophytic v	egetatio	n and we	etland hy	drology must be prese	ent, unless disturbed or p	roblematic.
Restrictive I	_ayer (if observed):								
Type:	,								
Depth (ir	nches):		_				Hydric Soil Present	? Yes	No X
HYDROLO	GY								
Wetland Hy	drology Indicators:								
	cators (minimum of or	ne is require						y Indicators (minimum of	f two required)
	Water (A1)		Salt Crust					r Marks (B1) (Riverine)	
	iter Table (A2)		Biotic Crus		(5.40)			ment Deposits (B2) (Rive	•
Saturation	,	\	Aquatic In		` '			Deposits (B3) (Riverine)	
	larks (B1) (Nonriveri nt Deposits (B2) (Non		Hydrogen Oxidized F					age Patterns (B10) Season Water Table (C2)	
	posits (B3) (Nonriver i	•	Presence			_	· · · · —	ish Burrows (C8)	
	Soil Cracks (B6)	,	Recent Iro			` '		ration Visible on Aerial Im	nagery (C9)
	on Visible on Aerial Ir	nagery (B7)	Thin Muck				` ' —	ow Aquitard (D3)	
	tained Leaves (B9)	0 , (,	Other (Exp)		Neutral Test (D5)	
Field Obser	vations:								
Surface Wat	er Present? Yes	3	No X	Depth (i	nches):				
Water Table	Present? Yes	s		Depth (i	nches):				
Saturation P	resent? Yes	s	No X	Depth (i	nches):		Wetland Hydrolog	gy Present? Yes	No X
(includes cap									
Describe Re	corded Data (stream	gauge, moni	toring well, aeria	l photos	, previou	s insped	ctions), if available:		
Remarks:									
ı									

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	c	ity/County: Morrov	v	Sampling Date:	03/28/2023
Applicant/Owner: NextEra			State: OR	Sampling Point:	SP-1002a
Investigator(s): Katie Pyne, Sara Frank, Jessica Taylo	r S	ection, Township, I	Range: <u>1S 28E 036</u>		
Landform (hillside, terrace, etc.): Ridge	Local	relief (concave, co	nvex, none): Concave	Slop	e (%): 0
Subregion (LRR): <u>LRR B</u> Lat: <u>45.438991</u>		Long: _	-119.286937	Datum:	WGS 1984
Soil Map Unit Name: Bakeoven-Morrow complex, 2 to	20 percent slopes		NWI classifi	cation: N/A	
Are climatic / hydrologic conditions on the site typical f	for this time of year	? Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly disturb	oed? Are "Normal	Circumstances" present?	Yes X No)
Are Vegetation, SoilX_, or Hydrology	naturally problema	tic? (If needed, e	explain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site m	ap showing sa	mpling point l	ocations, transects	, important fea	tures, etc.
Hydrophytic Vegetation Present? Yes X N	lo	Is the Sampled	Area		
Hydric Soil Present? Yes X N	lo	within a Wetlan	d? Yes X	No	
Wetland Hydrology Present? Yes X N	lo				
Remarks:					
VEGETATION – Use scientific names of μ	olants.				
		ninant Indicator			
Tree Stratum (Plot size: 30 ft)	% Cover Spe	cies? Status	Dominance Test wor		
1. 2.			Number of Dominant S Are OBL, FACW, or FA	•	1 (A)
3. 4.	·		Total Number of Domi	•	2 (B)
	=Tota	Cover	Percent of Dominant S	pecies That	```
Sapling/Shrub Stratum (Plot size: 15 ft)		Are OBL, FACW, or FA	AC: 50	.0% (A/B)
1.	· ——				
2			Prevalence Index wo Total % Cover of:		ply by:
4.	·		OBL species 0		0 0
5.			FACW species 5		10
	=Tota	Cover	FAC species 0	x 3 =	0
Herb Stratum (Plot size: 5 ft)	-		FACU species 5		20
1. Navarretia intertexta		res FACW	UPL species 0		0 (B)
Poa secunda 3.	5 Y	es FACU	Column Totals: 10	` ′	30 (B)
4.			1 Tovalonee maex	0.00	
5.	·		Hydrophytic Vegetati	on Indicators:	
6.			Dominance Test is	s >50%	
7			X Prevalence Index		
8				aptations ¹ (Provide s s or on a separate s	
Woody Vine Stratum (Plot size: 5 ft	10=Total	l Cover		s or on a separate s ophytic Vegetation ¹	,
Woody Vine Stratum (Plot size: 5 ft 1.	_)		¹ Indicators of hydric so		
2.	·		be present, unless dist		
	=Tota	l Cover	Hydrophytic	•	
			Vegetation		
	Cover of Biotic Crus	st	Present? Yes	No	_
Remarks:					

SOIL Sampling Point: SP-1002a

Depth	Matrix	Redox	Features			
(inches)	Color (moist) %	Color (moist)	% Ty	pe ¹ Loc ²	Texture	Remarks
0-2	10YR 2/2 100	,			Loamy/Clayey	Silt Loam
						
¹Type: C=Co	ncentration, D=Depletion, RM=R	Reduced Matrix, CS	S=Covered	or Coated S	Sand Grains. ² Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applicable to all LF	RRs, unless other	wise noted	.)	Indicators fo	r Problematic Hydric Soils ³ :
Histosol	(A1)	Sandy Redo	ox (S5)		1 cm Mu	ck (A9) (LRR C)
Histic Ep	ipedon (A2)	Stripped Ma	atrix (S6)		2 cm Mu	ck (A10) (LRR B)
Black His	` '	Loamy Muc	-		Iron-Man	ganese Masses (F12) (LRR D)
Hydrogei	n Sulfide (A4)	Loamy Gley	∕ed Matrix (I	=2)	Reduced	Vertic (F18)
	Layers (A5) (LRR C)	Depleted Ma	atrix (F3)			ent Material (F21)
	ck (A9) (LRR D)	Redox Dark	,	,		illow Dark Surface (F22)
	Below Dark Surface (A11)	Depleted Da			Other (Ex	xplain in Remarks)
	rk Surface (A12)	Redox Depr	ressions (F8	3)		
	ucky Mineral (S1)					
	· , ,	s of hydrophytic ve	getation and	d wetland h	ydrology must be present,	unless disturbed or problematic.
	ayer (if observed):					
Type:	Rock	_			Uhadala Oali Daasaa40	Waa Walla
Depth (in	iches): 2	_			Hydric Soil Present?	Yes <u>X</u> No
Problematic s	soils, shallow clay layer helping to	a ratain water				
		o retain water				
HYDROLO	GY	o retain water				
HYDROLO Wetland Hyd	GY Irology Indicators:		only)		Socondary In	digators (minimum of two required)
HYDROLO Wetland Hyc	GY Irology Indicators: ators (minimum of one is require	ed; check all that ap				dicators (minimum of two required)
HYDROLO Wetland Hyc Primary Indic Surface N	GY Irology Indicators: ators (minimum of one is require Water (A1)	ed; check all that ap	B11)		Water Ma	arks (B1) (Riverine)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2)	ed; check all that ar Salt Crust (I Biotic Crust	B11) (B12)	313)	Water Mater	arks (B1) (Riverine) t Deposits (B2) (Riverine)
HYDROLO Wetland Hyc Primary Indic Surface V High Wa Saturatio	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) in (A3)	ed; check all that an Salt Crust (I Biotic Crust Aquatic Inve	B11) (B12) ertebrates (l	,	Water Ma Sedimen Drift Dep	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water Ma	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine)	ed; check all that ap Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S	B11) (B12) ertebrates (l sulfide Odor	(C1)	Water Magner Mag	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water Management	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine)	ed; check all that an Salt Crust (I Biotic Crust Aquatic Inve	B11) (B12) ertebrates (l sulfide Odor nizospheres	(C1) on Living F	Water Mi Sedimen Drift Dep Drainage Roots (C3) Dry-Seas	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water Mater Mate	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine)	ed; check all that ap Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	B11) (B12) ertebrates (loulfide Odornizospheres f Reduced I	(C1) on Living F ron (C4)	Water Magedimen Sedimen Drift Dep Drainage Roots (C3) Dry-Seas Crayfish	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8)
HYDROLO Wetland Hyc Primary Indic Surface V High Wa Saturatio Water Mater Mate	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine)	ed; check all that ap Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rr Presence of Recent Iron	B11) (B12) ertebrates (loulfide Odornizospheres f Reduced I Reduction	(C1) on Living F ron (C4) in Tilled So	Water Marger Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water M Sedimen Drift Dep X Surface S Inundation	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6)	ed; check all that ap Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rr Presence of Recent Iron	B11) (B12) ertebrates (leading of the color	(C1) on Living F ron (C4) in Tilled So)	Water Marger Marker Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) in Visible on Aerial Imagery (C9)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water M Sedimen Drift Dep X Surface S Inundation	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6) in Visible on Aerial Imagery (B7) rained Leaves (B9)	ed; check all that ap Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S	B11) (B12) ertebrates (leading of the color	(C1) on Living F ron (C4) in Tilled So)	Water Marger Marker Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) Aquitard (D3)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water M Sedimen Drift Dep X Surface S Inundatic Water-St	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6) in Visible on Aerial Imagery (B7) ained Leaves (B9) vations:	sd; check all that ap Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (leading of the color	(C1) on Living F ron (C4) in Tilled So) urks)	Water Marger Marker Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) Aquitard (D3)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water Management Sediment Drift Dep X Surface S	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6) on Visible on Aerial Imagery (B7) tained Leaves (B9) vations: on Present? Yes	ed; check all that ap Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rr Presence of Recent Iron Thin Muck S Other (Explain	B11) (B12) ertebrates (laulfide Odornizospheres f Reduced I Reduction Surface (C7	(C1) on Living F ron (C4) in Tilled So) urks)	Water Marger Marker Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) Aquitard (D3)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water Mater Mate	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6) on Visible on Aerial Imagery (B7) tained Leaves (B9) vations: er Present? Yes Present? Yes	ed; check all that ap Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rr Presence of Recent Iron Thin Muck S Other (Explain	B11) (B12) ertebrates (laufide Odornizospheres f Reduced I Reduction Surface (C7 ain in Rema	(C1) on Living F ron (C4) in Tilled So) urks) s):	Water Marger Marker Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Aquitard (D3) utral Test (D5)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water M Sedimen Drift Dep X Surface S Inundatic Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) Iro (A3) I	Salt Crust (I Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rr Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (I sulfide Odor nizospheres f Reduced I Reduction Surface (C7 ain in Rema	(C1) on Living F ron (C4) in Tilled Sc) urks) s): s): s):	Water Marger Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Aquitard (D3) utral Test (D5)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water M Sedimen Drift Dep X Surface V Inundatic Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) In (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) osits (B3) (Nonriverine) Soil Cracks (B6) In Visible on Aerial Imagery (B7) ained Leaves (B9) Vations: Exter Present? Present? Yes Esent? Yes Esent? Yes	Salt Crust (I Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rr Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (I sulfide Odor nizospheres f Reduced I Reduction Surface (C7 ain in Rema	(C1) on Living F ron (C4) in Tilled Sc) urks) s): s): s):	Water Marger Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Aquitard (D3) utral Test (D5)
HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water M Sedimen Drift Dep X Surface V Inundatic Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) Iro (A3) I	Salt Crust (I Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rr Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (I sulfide Odor nizospheres f Reduced I Reduction Surface (C7 ain in Rema	(C1) on Living F ron (C4) in Tilled Sc) urks) s): s): s):	Water Marger Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Aquitard (D3) utral Test (D5)
HYDROLO Wetland Hyd Primary Indio Surface V High Wa Sedimen Drift Dep X Surface S Inundatio Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap Describe Rec	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) Iro (A3) I	Salt Crust (I Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rr Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (I sulfide Odor nizospheres f Reduced I Reduction Surface (C7 ain in Rema	(C1) on Living F ron (C4) in Tilled Sc) urks) s): s): s):	Water Marger Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Aquitard (D3) utral Test (D5)
HYDROLO Wetland Hyd Primary Indio Surface V High Wa Sedimen Drift Dep X Surface S Inundatio Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap Describe Rec	GY Irology Indicators: ators (minimum of one is require Water (A1) ter Table (A2) Iro (A3) I	Salt Crust (I Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rr Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (I sulfide Odor nizospheres f Reduced I Reduction Surface (C7 ain in Rema	(C1) on Living F ron (C4) in Tilled Sc) urks) s): s): s):	Water Marger Mar	arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) son Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Aquitard (D3) utral Test (D5)

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/Cou	nty: Morrow	<i>l</i>	Sampling Date:	03/28/2023
Applicant/Owner: NextEra				State: OR	Sampling Point:	SP-1002b
Investigator(s): Katie Pyne, Jessica Taylor, Sara Fran	nk	Section,	Township, F	Range: 1S 28E 036		
Landform (hillside, terrace, etc.): Ridge		Local relief (c	oncave, cor	nvex, none): Flat	Slop	oe (%): 0
Subregion (LRR): LRR B Lat: 45.438912			Long: -	119.286962	 Datum:	WGS 1984
Soil Map Unit Name: Bakeoven-Morrow complex, 2 t		slopes		NWI classifi	cation: N/A	
Are climatic / hydrologic conditions on the site typical			Yes	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrology		-			•	0
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site n						ıtures, etc
Hydrophytic Vegetation Present? Yes	No X	Is the	e Sampled	Area		
Hydric Soil Present? Yes	No X	withi	n a Wetland	d? Yes	No_X_	
Wetland Hydrology Present? Yes	No X					
Remarks:						
VEGETATION – Use scientific names of	-					
<u>Tree Stratum</u> (Plot size: 30 ft)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test work	ksheet:	
1.	70 00101	ороскоо.	Otatao	Number of Dominant S		
2.				Are OBL, FACW, or FA	•	0 (A)
3.				Total Number of Domir Across All Strata:	nant Species	2 (B)
4.		=Total Cover		Percent of Dominant S	nocice That	<u>Z</u> (D)
Sapling/Shrub Stratum (Plot size: 15 ft)			Are OBL, FACW, or FA	•	.0% (A/B)
1.	_′ 					<u> </u>
2.				Prevalence Index wor	rksheet:	
3				Total % Cover of:	Multi	iply by:
4				OBL species 0		0
5		=Total Cover		FACW species 0 FAC species 10		30
Herb Stratum (Plot size: 5 ft)		- Total Cover		FAC species 10 FACU species 20		80
1. Pseudoroegneria spicata	50	Yes	UPL	UPL species 90		450
Festuca idahoensis	10	No	FACU	Column Totals: 12		560 (B)
3. Achillea millefolium	10	No	FACU	Prevalence Index =		
4. Bromus tectorum	40	Yes	UPL			
5. Distichlis spicata	10	No	FAC	Hydrophytic Vegetation	on Indicators:	
6				Dominance Test is	s >50%	
7	_			Prevalence Index i		
8					aptations ¹ (Provide	
	120	=Total Cover			s or on a separate	•
Woody Vine Stratum (Plot size: 5 ft	_)			1 -	phytic Vegetation ¹	` ' '
1 2.				¹ Indicators of hydric so be present, unless dist		
-· <u>-</u>		=Total Cover		Hydrophytic	arbed or problema	<u></u>
				Vegetation		
% Bare Ground in Herb Stratum %	Cover of Bioti	ic Crust		Present? Yes	No X	_
Remarks:						
Upland plot.						

SOIL Sampling Point: SP-1002b

Profile Desc Depth	ription: (Describe to Matrix	the dep		i ment t l < Featur		ator or	confirm the abs	sence of i	ndicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-16	10YR 3/3	100	, , ,				Loamy/Clay	vev	Silt Loam	
			_							
					· ——					
					· ——					
					· ——					
			_							
1					. 			2		
	oncentration, D=Deple					oated S			n: PL=Pore Lining, M=Matrix.	
-	ndicators: (Applicab	le to all l			•		ine		or Problematic Hydric Soils ³ :	
Histosol	• •		Sandy Red	٠,				_	ick (A9) (LRR C)	
Black Hi	oipedon (A2)		Stripped M					_	ıck (A10) (LRR B) nganese Masses (F12) (LRR D	١,
	n Sulfide (A4)		Loamy Mu					_	igariese Masses (F12) (LRR L d Vertic (F18)	")
	` '		Loamy Gle Depleted N				_	_	ent Material (F21)	
	Stratified Layers (A5) (LRR C)			k Surfa				_	allow Dark Surface (F22)	
	1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11)				rface (F7	`				
	ark Surface (A12)	(////	Redox Dep			,	Other (Explain in Remarks)			
	lucky Mineral (S1)		NOUGA BOX	710001011	15 (1 0)					
	leyed Matrix (S4)	3Indicate	ors of hydrophytic ve	egetatio	n and we	etland h	vdrologv must b	e present.	unless disturbed or problemat	ic.
	_ayer (if observed):		, , ,				, <u> </u>		<u>'</u>	
Type:	-ayer (ii observed).									
Depth (ir	ichee).						Hydric Soil P	resent?	Yes No	Х
Remarks:							Tryuno con r	10001111		<u>~</u>
HYDROLO	GY									
Wetland Hyd	drology Indicators:									
_	cators (minimum of on	e is requi	red; check all that a	apply)			Se	condary Ir	ndicators (minimum of two requ	uired)
Surface	Water (A1)		Salt Crust	(B11)				Water M	larks (B1) (Riverine)	
High Wa	ter Table (A2)		Biotic Crus	t (B12)				Sedimer	nt Deposits (B2) (Riverine)	
Saturation	on (A3)		Aquatic Inv	/ertebra	tes (B13))		Drift Dep	oosits (B3) (Riverine)	
Water M	arks (B1) (Nonriverin	e)	Hydrogen	Sulfide	Odor (C1)		_ Drainage	e Patterns (B10)	
Sedimer	nt Deposits (B2) (None	riverine)	Oxidized R	hizosph	neres on	Living F	Roots (C3)	_Dry-Sea	son Water Table (C2)	
Drift Dep	osits (B3) (Nonriveri	ne)	Presence of			` '		_ Crayfish	Burrows (C8)	
	Soil Cracks (B6)		Recent Iron	n Reduc	ction in T	illed So	ils (C6)	_Saturatio	on Visible on Aerial Imagery (C	9)
Inundation	on Visible on Aerial Im	agery (B	7) Thin Muck	Surface	e (C7)			Shallow	Aquitard (D3)	
Water-S	tained Leaves (B9)		Other (Exp	lain in F	Remarks))		FAC-Ne	utral Test (D5)	
Field Observ	vations:									
Surface Water	er Present? Yes		No X	Depth (i	inches):					
Water Table	Present? Yes		No X	Depth (i	inches):					
Saturation Pr	resent? Yes		No X	Depth (i	inches):		Wetland Hy	/drology F	Present? Yes No_	Χ
(includes cap										
Describe Red	corded Data (stream g	jauge, mo	onitoring well, aerial	photos	, previou	s insped	ctions), if availat	ole:		
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East	(City/County: Morrow Sampling Date:				
Applicant/Owner: NextEra			State: OR	Sampling Point: SP-1003a		
Investigator(s): Katie Pyne, Jessica Taylor, Sara Frank	S	ection, Township, l	Range: 1S 28E 036			
Landform (hillside, terrace, etc.): Ridge	Local	relief (concave, co	nvex, none): Concave	Slope (%): 0		
Subregion (LRR): LRR B Lat: 45.438912		Long:	-119.28757	Datum: WGS 198-		
Soil Map Unit Name: Bakeoven-Morrow complex, 2 to 20	percent slopes		NWI classif	ication: N/A		
Are climatic / hydrologic conditions on the site typical for t	his time of year	? Yes X	No (If no, exp	plain in Remarks.)		
Are Vegetation, Soil, or Hydrologysig	nificantly disturb	ped? Are "Norma	I Circumstances" present?	Yes X No		
Are Vegetation , Soil X , or Hydrology na	turally problema	tic? (If needed,	explain any answers in Rer	marks.)		
SUMMARY OF FINDINGS – Attach site map	showing sa	mpling point l	ocations, transects,	important features, etc		
Hydrophytic Vegetation Present? Yes No	X	Is the Sampled	Area			
		within a Wetlan		No		
Wetland Hydrology Present? Yes X No						
Remarks:						
Problematic vegetation and soils						
VEGETATION – Use scientific names of pla			1			
		ninant Indicator ecies? Status	Dominance Test wor	ksheet:		
1.			Number of Dominant S	Species That		
2			Are OBL, FACW, or F	AC: 1 (A)		
3			. Total Number of Domi	•		
4		Cover	Across All Strata:	3 (B)		
	10la	Cover	Percent of Dominant S Are OBL, FACW, or F			
1			7.10 052, 17.000, 011			
2.			Prevalence Index wo	rksheet:		
3.			Total % Cover of	: Multiply by:		
4			· · ·) x 1 = 0		
5		l Cover	· · · · ·	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
<u> </u>	10la	Cover	FAC species 1:			
Navarretia intertexta	5 \	res FACW	UPL species 0			
2. Poa secunda	10	/es FACU	Column Totals: 2	0 (A) 70 (B)		
3. Grindelia squarrosa	5	res FACU	Prevalence Index	= B/A = 3.50		
4						
5			Hydrophytic Vegetati Dominance Test is			
6			Prevalence Index			
7. 8.			·	aptations ¹ (Provide supporting		
	20 =Tota	l Cover	data in Remark	s or on a separate sheet)		
Woody Vine Stratum (Plot size: 5 ft)			Problematic Hydro	ophytic Vegetation ¹ (Explain)		
1			-	oil and wetland hydrology must		
2		L Cover	be present, unless dis	turbed or problematic.		
-	=ı ota	l Cover	Hydrophytic			
% Bare Ground in Herb Stratum 90 % Cov	ver of Biotic Crus	st	Vegetation Present? Yes	No X_		
Remarks:			<u> </u>			
Vernal Pool.						

SOIL Sampling Point: SP-1003a

Profile Desc	ription: (Describ	oe to the depth	needed to doc	ument tl	ne indica	tor or c	onfirm the absence	of indicators.)
Depth	Matrix	(Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/2	100					Loamy/Clayey	Silt Loam
¹ Type: C=Co	oncentration, D=D	enletion RM=R	educed Matrix (CS=Cove	ered or Co	nated Sa	and Grains ² Loc	eation: PL=Pore Lining, M=Matrix.
	Indicators: (Appl					outou ot		ors for Problematic Hydric Soils ³ :
Histosol			Sandy Re					n Muck (A9) (LRR C)
	pipedon (A2)		Stripped N					n Muck (A10) (LRR B)
Black Hi			Loamy Mu	`	,			-Manganese Masses (F12) (LRR D)
	n Sulfide (A4)		Loamy Gl	-				uced Vertic (F18)
	l Layers (A5) (LRI	R C)	Depleted	-				Parent Material (F21)
	ck (A9) (LRR D)	,	Redox Da	`	,			/ Shallow Dark Surface (F22)
	Below Dark Surf	ace (A11)	Depleted		` '			er (Explain in Remarks)
	ark Surface (A12)	, ,	Redox De					,
Sandy M	lucky Mineral (S1))						
Sandy G	leyed Matrix (S4)	³ Indicators	of hydrophytic v	/egetatio	n and we	tland hy	drology must be pres	ent, unless disturbed or problematic.
Restrictive I	_ayer (if observe	d):						
Type:	Ro	ck						
Depth (ir	nches):	3	_				Hydric Soil Presen	t? Yes X No
Remarks:								
Shallow clay	soils retaining wa	ter						
HYDROLO								
Wetland Hyd	drology Indicator	s:						
	cators (minimum c	of one is required						ary Indicators (minimum of two required)
	Water (A1)		Salt Crust	, ,				er Marks (B1) (Riverine)
	ter Table (A2)		Biotic Cru		(5.40)			iment Deposits (B2) (Riverine)
Saturatio	` '		Aquatic In		` ,			Deposits (B3) (Riverine)
	arks (B1) (Nonriv		Hydrogen Oxidized F					nage Patterns (B10)
	nt Deposits (B2) (Nonri	•				U	· ' — '	Season Water Table (C2) fish Burrows (C8)
	oosits (B3) (Nonri Soil Cracks (B6)	verine)	Presence Recent Iro		,	•	<u> </u>	ration Visible on Aerial Imagery (C9)
	on Visible on Aeria	al Imagery (R7)	Thin Muck			ileu Soil	· · ·	llow Aquitard (D3)
	tained Leaves (B9	,	Other (Ex					C-Neutral Test (D5)
Field Observ	`	·)	Other (EX	piaiii iii i	(Ciliants)			-recutal rest (BS)
Surface Water		Yes	No. Y	Depth (i	nches).			
Water Table		Yes	No X No X	Depth (i	· -			
Saturation P		Yes	No X	Depth (i	· -		Wetland Hydrolo	gy Present? Yes X No
(includes cap			<u>/</u>	- 2pui (i	_		I I I I I I I I I I I I I I I I I I I	<u> </u>
		am gauge, moni	toring well, aeria	al photos	, previous	inspec	tions), if available:	
	· 		<u> </u>				<u> </u>	
Remarks:								

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow Sampling Date: 03/2				
Applicant/Owner: NextEra				State: OR	Sampling Point:	SP-1003b
Investigator(s): Katie Pyne, Jessica Taylor, Sara Frank		Section,	Γownship, Ra	ange: 1S 28E 036		
Landform (hillside, terrace, etc.): Ridge	ı	_ocal relief (co	oncave, conv	/ex, none): Concave	Slop	e (%): 0
Subregion (LRR): LRR B Lat: 45.438279			Long:	119.287592	Datum:	WGS 1984
Soil Map Unit Name: Bakeoven-Morrow complex, 2 to 2	20 percent sl	opes		NWI classifi	ication: N/A	
Are climatic / hydrologic conditions on the site typical fo	or this time of	year?	Yes X	No (If no, exp	lain in Remarks.)	
Are Vegetation, Soil, or Hydrologys	significantly o	listurbed? A	Are "Normal (Circumstances" present?	Yes X No)
Are Vegetation, Soil, or Hydrologyr	naturally prob	olematic? (If needed, ex	plain any answers in Rer	narks.)	
SUMMARY OF FINDINGS – Attach site ma	ıp showin	g samplin	g point lo	cations, transects,	important feat	ures, etc.
Hydrophytic Vegetation Present? Yes No	X	Is the	Sampled A	rea		
Hydric Soil Present? Yes No	X	withi	n a Wetland	? Yes	No X	
Wetland Hydrology Present? Yes No	<u> </u>					
Remarks:						
VECETATION . He accomplise resumes of m	lauta					
VEGETATION – Use scientific names of p	Absolute	Dominant	Indicator	Г		
Tree Stratum (Plot size: 30 ft)	% Cover	Species?	Status	Dominance Test wor	ksheet:	
1				Number of Dominant S	•	
2.				Are OBL, FACW, or F	AC:	0 (A)
3.				Total Number of Domi Across All Strata:	•	1 (B)
T		Total Cover		Percent of Dominant S		<u> </u>
Sapling/Shrub Stratum (Plot size: 15 ft)	$\overline{}$			Are OBL, FACW, or F	•	.0% (A/B)
1.						
2				Prevalence Index wo		
3				Total % Cover of:		ply by:
4 5.				OBL species 0 FACW species 0		0
J		Total Cover		FAC species 10		30
Herb Stratum (Plot size: 5 ft)				FACU species 10		40
Pseudoroegneria spicata	70	Yes	UPL	UPL species 90	0 x 5 = 4	50
2. Bromus tectorum	20	No	UPL	Column Totals: 11	`` /	520 (B)
3. Festuca idahoensis	10	No	FACU	Prevalence Index :	= B/A = <u>4.73</u>	
Distichlis spicata 5.	10	<u>No</u>	FAC	Hydrophytic Vegetati	ion Indicators:	
6.				Dominance Test is		
7.				Prevalence Index	is ≤3.0 ¹	
8.				l 	aptations ¹ (Provide s	
	110	Total Cover			s or on a separate s	,
Woody Vine Stratum (Plot size: 5 ft))				ophytic Vegetation ¹	` ' '
1 2.				¹ Indicators of hydric so be present, unless dist	•	
		Total Cover		·	urbed of problemat	ю.
				Hydrophytic Vegetation		
% Bare Ground in Herb Stratum % C	Cover of Biotic	c Crust	_	Present? Yes	NoX	_
Remarks:						
Upland plot.						

SOIL Sampling Point: SP-1003b

Profile Desc Depth	ription: (Describ Matrix	•		ıment th x Featur		ator or c	onfirm the absence of	of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	R	emarks	
0-16	10YR 3/3	100	Color (moist)		. , po				It Loam	
0-10	10113/3	100					Loamy/Clayey		it Loaiii	
1Typo: C=C	oncentration, D=De	nlotion PM-I	Poducod Matrix C	-S-Cove	rod or C	oatod S	and Grains ² Loss	tion: PL=Pore Li	ning M-Matrix	
	Indicators: (Appli					oaleu Sa		s for Problemati		
Histosol		ouble to un 2	Sandy Red					Muck (A9) (LRR	-	
	pipedon (A2)		Stripped M					Muck (A10) (LRF		
Black His			Loamy Mu	`	,				es (F12) (LRR D)	
	n Sulfide (A4)		Loamy Gle	•	, ,			ced Vertic (F18)	00 (1 12) (LIKK D)	
<u> </u>	l Layers (A5) (LRF	? C)	Depleted N					Parent Material (F	21)	
	ck (A9) (LRR D)	,	Redox Dar	,	,			Shallow Dark Sur	,	
	Below Dark Surfa	ice (A11)	Depleted D		` ')		(Explain in Rema		
	ark Surface (A12)	(, , , , ,	Redox Dep		•	,	Other (Explain in Remarks)			
	lucky Mineral (S1)				· (. · ·)					
	leyed Matrix (S4)	³ Indicator	s of hydrophytic v	egetatio	n and we	etland hy	drology must be prese	nt, unless disturb	ed or problematic.	
	_ayer (if observed		, , ,			ĺ		·	· · · · · · · · · · · · · · · · · · ·	
Type:	-ayo. (oboo. roc	.,.								
Depth (ir	nches):						Hydric Soil Present	? Ye	esNo_X_	
HYDROLO										
•	drology Indicators									
	cators (minimum o	f one is require						-	mum of two required)	
	Water (A1)		Salt Crust					r Marks (B1) (Riv		
	ter Table (A2)		Biotic Crus		(D40)			nent Deposits (B2		
Saturatio	` '	awim a\	Aquatic Inv		` '	,		Deposits (B3) (Riv	•	
	arks (B1) (Nonrive nt Deposits (B2) (N	•	Hydrogen Oxidized F					age Patterns (B1) Season Water Tab		
	oosits (B3) (Nonriv		Presence			_		ish Burrows (C8)	ile (G2)	
	Soil Cracks (B6)	erine)	Recent Iro			` '			erial Imagery (C9)	
	on Visible on Aeria	I Imagery (B7					` ′	ow Aquitard (D3)	ional imagory (00)	
	tained Leaves (B9		Other (Exp)		Neutral Test (D5)		
Field Observ	•	<u>'</u>				•		(- /		
Surface Wat		Yes	No X	Depth (i	nches):					
Water Table	Present?	Yes		Depth (i	nches):					
Saturation P	resent?	Yes	No X	Depth (i	nches):		Wetland Hydrolog	y Present? Ye	esNo_X_	
(includes cap	oillary fringe)		_ 							
Describe Rec	corded Data (strea	m gauge, mor	nitoring well, aeria	photos,	previou	s inspec	tions), if available:			
Remarks:										

See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Project/Site: Wheatridge East		City/County: Morrow Sampling Date:					
Applicant/Owner: NextEra				State: OR	Sampling Point:	SP-1004a	
Investigator(s): Katie Pyne, Jessica Taylor, Sara Frank		Section, T	ownship, Ra	nge: 1S 28E 036			
Landform (hillside, terrace, etc.): Ridge	Lo	_ cal relief (co	ncave, conve	ex, none): Concave	Slop	oe (%): 0	
Subregion (LRR): LRR B Lat: 45.431389			Long: -1	19.289093	Datum:	WGS 1984	
Soil Map Unit Name: Morrow Silt Loam, 1 to 7 percent s	slopes			NWI classit	fication: N/A		
Are climatic / hydrologic conditions on the site typical for	•	ear?	Yes X	No (If no, exp	olain in Remarks.)		
Are Vegetation, Soil, or Hydrologys	_)	
Are Vegetation , Soil X , or Hydrology n				olain any answers in Re	<u> </u>		
SUMMARY OF FINDINGS – Attach site ma		•	•	•	,	ures, etc.	
Hydric Soil Present? Yes X No	X		Sampled Ar		No		
Wetland Hydrology Present? Yes X No							
Remarks:							
VEGETATION – Use scientific names of pl	ants						
		Dominant	Indicator				
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	% Cover	Species?	Status	Dominance Test wor	ksheet:		
1. 2.				Number of Dominant Are OBL, FACW, or F		0 (A)	
3. 4.				Total Number of Dom Across All Strata:	inant Species	1 (B)	
Sapling/Shrub Stratum (Plot size: 15 ft)	=T	otal Cover		Percent of Dominant S Are OBL, FACW, or F	•	.0% (A/B)	
1 2.				Prevalence Index wo	nrksheet:		
3.				Total % Cover of		iply by:	
4.				OBL species	x 1 =	0	
5				· <u></u>	0 x 2 =	20	
	=T	otal Cover		· —	0 x 3 =	0	
Herb Stratum (Plot size: 5 ft)	40	Yes	UPL			<u>40 </u>	
Taeniatherum caput-medusae Navarretia intertexta	10	No No	FACW	· —		260 (B)	
3. Poa secunda	10	No	FACU	Prevalence Index	`` /	` ' /	
4.					·		
5				Hydrophytic Vegetat	ion Indicators:		
6				Dominance Test i			
7				Prevalence Index			
8	60 =T	otal Cover			aptations ¹ (Provide : s or on a separate :		
Woody Vine Stratum (Plot size: 5 ft)		otal Covel			ophytic Vegetation ¹	•	
1.				¹ Indicators of hydric s		,	
2.				be present, unless dis			
	=T	otal Cover		Hydrophytic			
% Bare Ground in Herb Stratum 50 % C	over of Biotic (Crust		Vegetation	No X		
Remarks:						_	
Vernal Pool with problematic vegetation - early season	growth of verr	nal pool plan	nts				