APPENDIX C

Wetland Datasheets from 3/29/22 Field Survey

ELB. (a)	-	Le u la socialista de la companya del companya de la companya del companya de la
Project/Site: Furt Brugg 60	City/County: Pur	+ Brags Mundo Sampling Date: 3/29/2
Applicant/Owner:		State: Sampling Point:
Investigator(s): 5. McMarty	Section, Township, R	ange: NW 1/2 Sec 18 TIENRITE
Landform (hillslope, terrace, etc.):	Local relief (concave,	, convex, none): Slope (%):
. 1	_ Lat: 39° 25 '48.78"	N Long: 163° 48' 19.14 W Datum:
Soil Map Unit Name:		NWI classification:
Are climatic / hydrologic conditions on the site typical for this	is time of year? Yes No_	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology s	significantly disturbed? Are	"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology r	naturally problematic? (If n	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes N	lo	
Hydric Soil Present? Yes N	lo lis the Sample	
Wetland Hydrology Present? Yes N	lo within a wetia	
Remarks: Recent rains, early	2 Spring Lond	itions. Oranght prevalent ume in sampling area.
throngh Ca but	not as extr	eme in Sampline area
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, , ,
VEGETATION – Use scientific names of plan	ts.	
Toro Charles (District	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover Species? Status	Number of Dominant Species
1		That Are OBL, FACW, or FAC:(A)
3.		Total Number of Dominant
4		Species Across All Strata: (B)
	= Total Cover	Percent of Dominant Species That Are ORL FACW or FAC
Sapling/Shrub Stratum (Plot size:)		That Are OBL, FACW, or FAC: (A/B)
		Prevalence Index worksheet:
2. 3.		Total % Cover of:Multiply by:
4.		OBL species x 1 = l FACW species x 2 =
5.		FAC species x2 =
	= Total Cover	FACU species x 4 = x 4 = x 4 = x 4 = x 4 = x 4 = x 4 = x 4 = x 4 = x 4 =
Herb Stratum (Plot size:)	4c / 40L	UPL species x5 = 330
1. branns diandrus		Column Totals: 9 (A) 454 (B)
2. Kaphanne Faphanistim	35 y UPC	
4. Medicaco pelynulla	15 Y Facu	Prevalence Index = B/A = 4.63
5. Qalies o polynoiph	13 7 Face	Hydrophytic Vegetation Indicators: Dominance Test is >50%
6. Plantice levelate	1 W Fac	Prevalence Index is ≤3.0¹
7. Rumy scetosella	I N OBL	Morphological Adaptations ¹ (Provide supporting
8		data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size:	9 d = Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
1 (Plot size:)		Indicators of hydric soil and watered hydric soil
2.		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	= Total Cover	Hydrophytic
% Para Ground in Harb Streeture		Vegetation
	of Biotic Crust	Present? Yes No
Remarks: OBL plent prese	nt, but mer	lan density Provelence
1. to + deminer	Lita	not appech metlen
the 4T to orange ce	1 1 1	7,1
No other welle	nd characta	ristics.

	1
Sampling Point:	

Depth (inches)	Color (moist)	%	Redox Features Color (moist) % Type ¹ L	oc ² Textu	re Remarks
	3				
1-18"	10/R 3/1	100		2440	dylloun
Type: C=Co	oncentration, D=Dep	oletion, RM=F	Reduced Matrix, CS=Covered or Coated S	Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
lydric Soil I	ndicators: (Applic	able to all L	.RRs, unless otherwise noted.)	Indic	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Redox (S5)	1	cm Muck (A9) (LRR C)
Histic Ep	pipedon (A2)		Stripped Matrix (S6)		cm Muck (A10) (LRR B)
Black His			Loamy Mucky Mineral (F1)		Reduced Vertic (F18)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)		Red Parent Material (TF2)
	Layers (A5) (LRR	C)	Depleted Matrix (F3)	0	Other (Explain in Remarks)
	ck (A9) (LRR D)		Redox Dark Surface (F6)		
	Below Dark Surface	ce (A11)	Depleted Dark Surface (F7)	3 _{ladio}	estars of hydrophytic vagetation and
	ark Surface (A12)		Redox Depressions (F8)		ators of hydrophytic vegetation and tland hydrology must be present,
	lucky Mineral (S1) Bleyed Matrix (S4)		Vernal Pools (F9)		less disturbed or problematic.
	_ayer (if present):			- Unit	less disturbed of problematic.
Type:					
Depth (inc			acception.	Undei	c Soil Present? Yes No
	illes).				
		۰~۰	likely priviously		
		اسه	likely priviously		
		ر در	likely priviously		ol/disturbed because
Remarks:	fand, la Llack	ر در	likely priviously		
Remarks:	Sand, la Llack GY	-	likely priviously		
Remarks:	Sand, la Llack GY drology Indicators	:		5 rade	d/d=furbed because
Remarks:	GY drology Indicators eators (minimum of	:	; check all that apply)	5 rade	of /d=f=r bed because
Remarks:	GY drology Indicators cators (minimum of water (A1)	:	; check all that apply) Salt Crust (B11)	5 rade	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Remarks: SYDROLO Wetland Hyd Primary Indic Surface High Wa	GY drology Indicators cators (minimum of water (A1) ther Table (A2)	:	; check all that apply) Salt Crust (B11) Biotic Crust (B12)	5 rade	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Remarks: YDROLO Wetland Hyd Primary Indic Surface High Wa Saturatio	GY drology Indicators cators (minimum of water (A1) ater Table (A2) on (A3)	: one required	; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	5 rade	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
NET STATE OF THE PROPERTY OF T	GY drology Indicators eators (minimum of water (A1) enter Table (A2) on (A3) larks (B1) (Nonrive	: one required: rine)	; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	5 rade	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
IYDROLO Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimer	GY drology Indicators cators (minimum of	: one required: rine) onriverine)	; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	5 rade	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
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IYDROLO Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep	GY drology Indicators cators (minimum of other Table (A2) on (A3) darks (B1) (Nonrive on Deposits (B2) (Nonrive Soil Cracks (B6)	rine) pariverine)	; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	5 rade	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
IYDROLO Wetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic	GY drology Indicators cators (minimum of other Table (A2) on (A3) larks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial	rine) pariverine) prine) lmagery (B7	; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	5 rade	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
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Remarks: IYDROLO Wetland Hyden Primary Indication Saturation Water Management Sedimer Drift Dep Surface Inundation Water-S Field Obser Surface Water Water Table Saturation Poincludes cap	GY drology Indicators cators (minimum of all water (A1) ater Table (A2) on (A3) larks (B1) (Nonrive at Deposits (B2) (No cosits (B3) (Nonrive soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? resent? present?	rine) onriverine) erine) Imagery (B7 Yes N	Salt Crust (B11) Salt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liveresence of Reduced Iron (C4) Recent Iron Reduction in Tilled States Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	s rade	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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Project/Site: Furt Brace 60 City/Co	unty: For t Brag Mende Sampling Date: 3/29/2			
Applicant/Owner:	State: Sampling Point: 1			
Investigator(s): Section	, Township, Range: NW 1/2 Sec 18 T18 N RIZI			
Landform (hillslope, terrace, etc.): Flat	relief (concave convey none);			
Landform (hillslope, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): O Subregion (LRR): Lat: 39° 25° 46.37" Long: 183° 48 19 36" Datum:				
Soil Map Unit Name: 4662				
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	s NWI classification:s No (If no, explain in Remarks.)			
Are Vegetation, Soil, or Hydrology significantly disturbed				
Are Vegetation, Soil, or Hydrology naturally problemati				
SUMMARY OF FINDINGS – Attach site map showing samp	, , , , , , , , , , , , , , , , , , , ,			
Hydrophytic Vegetation Present? Yes No				
Hydric Soil Present? Yes No	s the Sampled Area			
Wetland Hydrology Present? Yes No	within a Wetland? Yes No			
VEGETATION – Use scientific names of plants.	·			
Absolute Domir				
1	Number of Dominant Species That Are OBL, FACW, or FAC:(A)			
2				
3	Total Number of Dominant Species Across All Strata: (B)			
4				
Sapling/Shrub Stratum (Plot size:) = Total	Cover Percent of Dominant Species That Are OBL, FACW, or FAC: 33% (A/B)			
1	Prevalence Index worksheet:			
3				
4.	OBL species x 1 = 2 FACW species x 2 =			
5.	FAC species 10 x3 = 30			
= Total				
Herb Stratum (Plot size:)	LIPI species S1 x5- 44A			
2 Browns dignorus 30 y	u/L			
3. Plantage lanceolate 10	Prevalence Index = B/A = 4,68			
5. Author conthem adoction	Hydrophytic Vegetation Indicators: Dominance Test is >50%			
6. Rum v scetesale 1	Prevalence Index is ≤3.0¹			
7	Morphological Adaptations¹ (Provide supporting			
8	data in Remarks or on a separate sheet)			
Woody Vine Stratum (Plot size:	Cover Problematic Hydrophytic Vegetation¹ (Explain)			
1	Indicators of hydric soil and wetland hydrology must			
2	be present, unless disturbed or problematic.			
= Total	Cover Hydrophytic Vegetation			
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present? Yes No			
Hydrophte present but mery test for UPL.	lew density. High Prevalence			

0	^		
o	u	н	ᆫ

Profile Description: (Describe to the depth	needed to document the i	ndicator or conf	irm the absence of indicators)	
DepthMatrix	Redox Feature	S		
(inches) Color (moist) %	Color (moist) %	Type ¹ Loc ²	Texture Remarks	
1-18, 10/K 3/1 100 -			Sindy/Loan	
			11-11-11-11-11-11-11-11-11-11-11-11-11-	
¹ Type: C=Concentration, D=Depletion, RM=Re	educed Matrix, CS=Covered	or Coated Sand	Grains. ² Location: PL=Pore Lining, M=Matrix	
Hydric Soil Indicators: (Applicable to all LR	Rs, unless otherwise note	d.)	Indicators for Problematic Hydric Soils ³ :	
Histosol (A1)	Sandy Redox (S5)	•	1 cm Muck (A9) (LRR C)	
Histic Epipedon (A2)	Stripped Matrix (S6)		2 cm Muck (A10) (LRR B)	
Black Histic (A3)	Loamy Mucky Mineral	(F1)	Reduced Vertic (F18)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix		Red Parent Material (TF2)	
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)		Other (Explain in Remarks)	
1 cm Muck (A9) (LRR D)	Redox Dark Surface (I	- 6)	Outer (Explain III Remarks)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface			
Thick Dark Surface (A12)	Redox Depressions (F		³ Indicators of hydrophytic vegetation and	
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	-,	wetland hydrology must be present,	
Sandy Gleyed Matrix (S4)			unless disturbed or problematic.	
Restrictive Layer (if present):			problematic.	
Туре:				
Depth (inches):	_		Hudria Call Burner 10	/
Remarks:			Hydric Soil Present? Yes No	<u></u>
HYDROLOGY				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of one required; ch				
			Secondary Indicators (2 or more require	d)
Surface Water (A1)	Salt Crust (B11)		Water Marks (B1) (Riverine)	
High Water Table (A2)	Biotic Crust (B12)		Sediment Deposits (B2) (Riverine)	
Saturation (A3)	Aquatic Invertebrates	(B13)	Drift Deposits (B3) (Riverine)	
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odo		Drainage Patterns (B10)	
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizosphere		ots (C3) Dry-Season Water Table (C2)	
Drift Deposits (B3) (Nonriverine)	Presence of Reduced		Crayfish Burrows (C8)	
Surface Soil Cracks (B6)	Recent Iron Reduction			(00)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C			(C9)
Water-Stained Leaves (B9)	Other (Explain in Rem	*	Shallow Aquitard (D3)	
ield Observations:	Galor (Explain in Neil)	arks)	FAC-Neutral Test (D5)	
Surface Water Present? Yes No	Depth (inches):			
Nater Table Present? Yes No				
Seturation Boson 10	Topar (mondo).			/
includes capillary fringe)	Depth (inches):	Weti	and Hydrology Present? Yes No	~
Describe Recorded Data (stream gauge, monitor	ring well, aerial photos, previ	ous inspections)	if available:	
	,	,,		
Remarks:				

Project/Site: F. J Brage 6 C Applicant/Owner:	> c	ity/County: Fast	B. Mar	Sampling Dat	o: 3/19/1:
Applicant/Owner:			State	Sampling Poir	3
Investigator(s): _< McM	9	ection Township B	ange: Al M. I/.		6 1 K 12.
Landform (hillslope, terrace, etc.):		ocal relief /sersex	alige. 10 -0 /2	26 10 11	8 6 31/4
Subregion (LRR):	34	ocal relief (concave	, convex, none):	1000	3lope (%): &
Soil Map Unit Name: Us bea	Lat: //	25 47.06 "N			
			NWI cla	assification:	
Are climatic / hydrologic conditions on the site typical for	this time of year	? Yes No_	(If no, explain	n in Remarks.)	
Are Vegetation, Soil, or Hydrology			"Normal Circumstand	ces" present? Yes _	No
Are Vegetation, Soil, or Hydrology	_ naturally probl	ematic? (If n	eeded, explain any a	nswers in Remarks.)	ļ
SUMMARY OF FINDINGS - Attach site ma	ap showing s	ampling point	locations, trans	ects, important	features, etc.
Hydrophytic Vegetation Present? Yes	_				
Hydric Soil Present? Yes	No No	Is the Sample			
Wetland Hydrology Present? Yes		within a Wetla	ind? Yes	No _>	
Remarks:					
VEGETATION – Use scientific names of pl					
VEGETATION – Use scientific names of pi					
Tree Stratum (Plot size:)		Dominant Indicator Species? Status	Dominance Test	worksheet:	
1	70 00101	opecies: Otatus	Number of Domina That Are OBL, FAC		1
2		***************************************			(A)
3			Total Number of D		3 (B)
4			Species Across All	Strata:	2(B)
Sapling/Shrub Stratum (Plot size:)	=	Total Cover	Percent of Domina That Are OBL, FAC	nt Species CW, or FAC:	3% (A/B)
1			Prevalence Index		, ,
2			Total % Cover		ply by:
3				x1=	
4				x2=	
5				15 x3=	
	=	Total Cover	FACU species		
Herb Stratum (Plot size:)	40	()	UPL species	75 x5=	375
2 flastice lange	_ 90	7 492	Column Totals:	• \	1 みC (B)
3. Rachanna igchistin	_ <u> 15</u> _	4	عد		
4. Titolina subtaca	- 15 _	4 482			.66
5. Acto the	- 12 -	N UPL	Hydrophytic Vege Dominance Te		
6. Oxalis per-carrae	_	N her	Prevalence Ind		
7.		N 482		lex is ≤3.0 Adaptations¹ (Provid	
8.			data in Rem	narks or on a separat	e supporting e sheet)
	90 =	Total Cover		drophytic Vegetation	
Woody Vine Stratum (Plot size:)		i otal cover			
1			¹ Indicators of hydric	soil and wetland hy	drology must
2			be present, unless of	disturbed or problem	atic.
	=	Total Cover	Hydrophytic		
% Bare Ground in Herb Stratum % Cov	er of Biotic Crust		Vegetation Present?	Yes No _	
Remarks:					
					1

Sampling Point:	3
ators.)	

Profile Description: (Describe to the depth needed to document the indicator or conf	irm the absence of indicators \
Depth Redox Features	assessed of maldators.,
(inches) Color (moist) % Color (moist) % Type ¹ Loc ²	
6-6 10 TR 3/1 100	5 guda/logn
6-18 107R3/1 100	smay/lean/cobbb
	- Marif Logar Coppe
	_
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand	Grains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Sandy Redox (S5)	1 cm Muek (A9) (LRR C)
Histic Epipedon (A2) Black Histic (A3) Stripped Matrix (S6) Loamy Mucky Mineral (F1)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Reduced Vertic (F18)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	Red Parent Material (TF2) Other (Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	Ottor (Explain in Nemarks)
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	-
Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4)	wetland hydrology must be present,
Restrictive Layer (if present):	unless disturbed or problematic.
Type:	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	Tryanto con riccont. Tes No
>man stone les 1.1 1000 (11)	1
encantreor approx 6 he	low surface intumined
W/ Sunda learn consistent w/ ware	low surtace intuminad
W/ Sundy laam consistent w/ upper	low surtace intuminad
Remarks: Small Steve lay encounted approx 6" he w/ Sundy laam consistent w/ upper	low surtace intuminad
HYDROLOGY	low surtace intuminad
HYDROLOGY Wetland Hydrology Indicators:	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Seturation (A2) Biotic Crust (B12)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Wetland Hydrology Indicators: Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Wetland Hydrology Indicators: Palt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Reference of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Wetland Hydrology (B1) Fresence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water (Explain in Remarks) Wetland Hydrology (B11) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C7) Water-Stained Leaves (B9) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Wetland Hydrology (B11) Salt Crust (B11) Salt Crust (B12) Salt	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Wetland Hydrology (B1) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Reference of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C1) Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Weter-Stained Present? Weter Table Present? Yes No Depth (inches): Weter-Stained Present? Yes No Depth (inches): Weter-Stained Present? Weter-Stained Present? Yes No Depth (inches): Weter-Stained Present? Weter-Stained Present? Yes No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Water Stained Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Region Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (Call Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Field Observations: Surface Water Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): West (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Weter-Stained Present? Weter Table Present? Yes No Depth (inches): Weter-Stained Present? Weter-Stained Present? Weter-Stained Present? Yes No Depth (inches): Weter-Stained Present? Weter-Stained Present? Weter-Stained Present? Yes No Depth (inches): Weter-Stained Present? Weter-Stained Present? Weter-Stained Present? Yes No Depth (inches): Weter-Stained Present? Weter-Stained Present? Weter-Stained Present? Yes No Depth (inches): Weter-Stained Present? Weter-Stained Present? Yes No Depth (inches): Weter-Stained Present? Yes No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Reconstruction of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (Continundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Water Capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Reconstruction of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (Continundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Water Capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Reconstruction of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (Continundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Water Capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: F-rt Bree 60		City/County: E	L Brags, Mando Sampling Date: 3/29/	
Applicant/Owner:		City/County: Par	State: Sampling Date:	
Investigator(s): 5 Mc Marta		Section Township F	State: Sampling Point:	
Investigator(s): Smpling Point: Sampling Point				
Subregion (LRR): Lat: 39°15'45.63" Long: 123°46'19.48" Datum:				
Soil Man Unit Name:				
Are climatic / hydrologic conditions on the site typical for	this time of ver	ar2 Vac No	NWI classification:	
Are Vegetation, Soil, or Hydrology	significantly			
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 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.				
	,		iodations, transects, important leatures, etc.	
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	No	Is the Sample	ed Area	
Wetland Hydrology Present? Yes		within a Wetla	and? Yes No X	
Remarks:	110		-	
VEGETATION – Use scientific names of pla	ants.			
	Absolute	Dominant Indicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size:) 1	% Cover	Species? Status	Number of Dominant Species	
2			That Are OBL, FACW, or FAC: (A)	
3.			Total Number of Dominant	
4.			Species Across All Strata: (B)	
Sapling/Shrub Stratum (Plot size:)		= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 25% (A/B)	
1			Prevalence Index worksheet:	
2			Total % Cover of: Multiply by:	
3			OBL species x 1 =	
4			FACW species x 2 =	
5.			FAC species x 3 = 15	
Herb Stratum (Plot size:)		= Total Cover	FACU species x4 = 8	
1. Elymns glancing	_40	Y UPL	UPL species <u>\$ 744</u> x5 = <u>360</u>	
2. Plantago lanceolata	15	Y #Fac	(b)	
3. Triofelium 5, bterranen	_15	Y UPL	Prevalence Index = B/A =4.53	
4. Arito tleca calendala	_15.	Y UPL	Hydrophytic Vegetation Indicators:	
5. oxalis peci-capian	ᅩ.	N UPL	Dominance Test is >50%	
7 Real and adeleter	_ <u>~</u> -	W Facel	Prevalence Index is ≤3.0¹	
8.		N upl	Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)	
Woody Vine Stratum (Plot size:)	عد	= Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)	
1			Indicators of hydric soil and wetland hydrology must	
2			be present, unless disturbed or problematic.	
	=	Total Cover	Hydrophytic	
% Bare Ground in Herb Stratum % Cove	er of Biotic Crus	st	Vegetation Present? YesNo	
Remarks:			169 140 4	

\sim	^		
	<i>r</i> 1		
-	u		_

SOIL		Sampling Daints
Profile Description: (Describe to the der	th needed to document the indicator or confi	
Depth Matrix	Redox Features	in the absence of indicators.)
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	
6-6 107R 3/1 100		Sandylloan
6-18 107A3/1 100		Sandy/loun / whole
		204041100016
¹ Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS=Covered or Coated Sand C	Proinc 2 coefficient DI - Description Market
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck_(A10) (LRR B)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Stratified Layers (A5) (LRR C)	Loamy Gleyed Matrix (F2) Depleted Matrix (E3)	Red Parent Material (TF2)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4) Restrictive Layer (if present):		unless disturbed or problematic.
Type:		
Depth (inches):	,	11
Remarks:		Hydric Soil Present? Yes No
	4.13	
Three Cabble	ayer as Point 3.	
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required: Surface Water (A1)		Secondary Indicators (2 or more required)
High Water Table (A2)	Salt Crust (B11)	Water Marks (B1) (Riverine)
Saturation (A3)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Water Marks (B1) (Nonriverine)	Aquatic Invertebrates (B13)Hydrogen Sulfide Odor (C1)	Drift Deposits (B3) (Riverine)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Living Roc	Drainage Patterns (B10)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled Soils (C6	
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes N		
Water Table Present? Yes No.	Depth (inches):	
Saturation Present? Yes No (includes capillary fringe)	Depth (inches): Wetla	and Hydrology Present? Yes No
Describe Recorded Data (stream gauge, mon	toring well, aerial photos, previous inspections),	
,	, donal priotos, previous inspections),	ıı avalldDIE.
Remarks:		
,		

Project/Site: F+ Brss 60	City/County: Fort Brag, Manda Sampling Date: 3/29/22
Applicant/Owner:	State: (5 Sampling Point: 5/24/32
Investigator(s): 5. Mc Mar 4.	State: Cs Sampling Point: 5
Subregion (LRR):	Slope (%): 6
Soil Map Unit Name: Lat	
Are climatic / hydrologic conditions on the site typical for this time of ye	NWI classification:
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pro	disturbed? Are "Normal Circumstances" present? Yes No oblematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
1	The point reactions, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	Is the Sampled Area
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
Remarks:	
VEGETATION – Use scientific names of plants.	
Tree Stratum (Plot size:) Absolute % Cover	
1	Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2	
3	Total Number of Dominant Species Across All Strata: (B)
4	= Total Cours Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	That Are OBL, FACW, or FAC:
1	Prevalence Index worksheet:
2	Total % Cover of: Multiply by:
3	
5	
	= Total Cover FACU species x 4 =
Plot size:)	LIDI anasias EC - 177
	Fac Column Totals: 95 (A) 345 (D)
3. Eschscholzes california &	- Mrs
4. Raphus raphinistrum	N uft Prevalence Index = B/A = 5.63 N uft Hydrophytic Vegetation Indicators:
5. Brems dindra	Dominance Test is >50%
6	Prevalence Index is ≤3.0¹
7	Morphological Adaptations¹ (Provide supporting
·	data in Remarks or on a separate sheet) = Total Cover Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	= Total Cover — Problematic Hydrophytic Vegetation' (Explain)
1	Indicators of hydric soil and wetland hydrology must
4	be present, unless disturbed or problematic.
N/ D	= Total Cover Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Cru Remarks:	resent? Yes No No
Daminuca test at	nia threshold for
Hucophotec <1.	s net show other characteristics
at while the case	s not show other characteristics
- werland presence	

SOIL			

Profile Description: (De	iauix		Redo	x Features	9				1015.)	
(inches) Color (m	oist) %	Co	lor (moiet)	0/	Tuna1	_Loc ²	Texture		Remar	ko
0-18 COYK	3/1 10	2	ioi (moist)	-			Sandal	llaan	ixemai	KS
							400.71	13313		
Type: C=Concentration, I	D=Depletion, F	RM=Reduc	ed Matrix, CS	=Covered	or Coated	Sand Grain	21 o	cation: PI:	-Poro Linino	, M=Matrix.
yano con maicators: ()	Applicable to	all LRRs,	unless other	wise note	d.)			for Proble	ematic Hydr	ric Soils ³ :
Histosol (A1) Histic Epipedon (A2)			Sandy Redo					/luck (A9) (
Black Histic (A3)			Stripped Mat					luck (A10)		
		_	Loamy Muck					ed Vertic (I		
Hydrogen Sulfide (A4)	' DD 0	_	Loamy Gleye		(F2)			arent Mate		
Stratified Layers (A5) (1 cm Muck (A9) (LRR	LKK C)		Depleted Ma					Explain in		
			Redox Dark						,	
 Depleted Below Dark S Thick Dark Surface (A² 	ounace (A11)	_	Depleted Dar	rk Surface	(F7)					
Sandy Mucky Mineral ((21)	/_	Redox Depre	essions (F	8)		Indicators	of hydroph	ytic vegetati	on and
	(81)		Vernal Pools	(F9)			wetland I	hydrology r	nust be pres	sent,
Sandy Gleved Matrix (unlaca di	oturbod	problematic	
_ Sandy Gleyed Matrix (ent):						uniess ui	sturbed or	problematic	•
_ Sandy Gleyed Matrix (estrictive Layer (if prese	ent):						uniess di	sturbed or	problemate	
Sandy Gleyed Matrix (lestrictive Layer (if prese Type:	ent):									,
Sandy Gleyed Matrix (: Restrictive Layer (if prese Type: Depth (inches):	ent):					Н			Yes	,
Sandy Gleyed Matrix (: destrictive Layer (if preserve) Type: Depth (inches): emarks:	ent):					Н				,
Sandy Gleyed Matrix (: Sestrictive Layer (if preserve) Type: Depth (inches): emarks:	ent):					н				,
Sandy Gleyed Matrix (: Restrictive Layer (if preserving) Type: Depth (inches): emarks: DROLOGY Vetland Hydrology Indica	ent):					Н				,
Sandy Gleyed Matrix (: lestrictive Layer (if prese Type: Depth (inches): emarks: DROLOGY letland Hydrology Indicationary Indicators (minimum	ent):	red; check				Н	ydric Soil	Present?	Yes	,
Sandy Gleyed Matrix (sestrictive Layer (if present type: Depth (inches): Depth (inches): Demarks: DROLOGY Setland Hydrology Indicationary Indicators (minimum Surface Water (A1)	ent):	red; check	Salt Crust (B			Н	ydric Soil	Present?	Yes	No
Sandy Gleyed Matrix (: Restrictive Layer (if preserved) Type: Depth (inches): remarks: POROLOGY Retland Hydrology Indication (minimum of the company of	ent):	red; check	Salt Crust (B Biotic Crust ((B12)		Н	ydric Soil Second	Present?	Yesiors (2 or mo	No
Sandy Gleyed Matrix (stestrictive Layer (if present type: Depth (inches): Dept	tors:	red; check	Salt Crust (B Biotic Crust (Aquatic Inve	(B12) rtebrates (н	ydric Soil Second Second Second	Present? dary Indicater Marks diment De	tors (2 or mo	No ore required) ne) Riverine)
Sandy Gleyed Matrix (stestrictive Layer (if present type:	tors: n of one requir		Salt Crust (B Biotic Crust ((B12) rtebrates (н	Second Wa Se Dri	Present? dary Indicater Marks diment Del ft Deposits	Yestors (2 or mo (B1) (Riveri posits (B2) (i	No ore required) ne) Riverine)
Sandy Gleyed Matrix (stestrictive Layer (if present property) Type:	tors: n of one requir		Salt Crust (B Biotic Crust (Aquatic Inven Hydrogen Su	(B12) rtebrates (ılfide Odor	r (C1)		ydric Soil Second Wa Se Dri Dri	Present? dary Indica ater Marks diment De ft Deposits ainage Pati	tors (2 or mo (B1) (Riveri posits (B2) ((B3) (River terns (B10)	No ore required) ne) Riverine) ine)
Sandy Gleyed Matrix (stestrictive Layer (if present type: Depth (inches): Dept	tors: n of one requireriverine) (Nonriverine)		Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi	(B12) rtebrates (ulfide Odor zospheres	r (C1) s along Liv		Second Second Second Second Second Second Second Second Second	Present? dary Indical ater Marks diment Del ft Deposits ainage Pati /-Season V	tors (2 or mo (B1) (Riveri posits (B2) ((B3) (River terns (B10) Vater Table	No ore required) ne) Riverine) ine)
Sandy Gleyed Matrix (stestrictive Layer (if present type: Depth (inches): Dept	tors: n of one require riverine) (Nonriverine priverine))	Salt Crust (B Biotic Crust (Aquatic Inven Hydrogen Su Oxidized Rhi Presence of	(B12) rtebrates (ulfide Odor zospheres Reduced I	r (C1) s along Liv Iron (C4)	ring Roots (C	Second Second Second Dri Dri Cra Cra	Present? dary Indical ater Marks diment Del ft Deposits ainage Pati /-Season V	Yes tors (2 or mo (B1) (Riveri posits (B2) ((B3) (Riveri terns (B10) Vater Table pows (C8)	No Dre required) ne) Riverine) ine) (C2)
Sandy Gleyed Matrix (stestrictive Layer (if present type: Depth (inches): Depth (inches):	tors: n of one require (Nonriverine) (Nonriverine) (s) erial Imagery ()	Salt Crust (B Biotic Crust (Aquatic Inver- Hydrogen Su Oxidized Rhi Presence of Recent Iron F	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction	r (C1) s along Liv Iron (C4) in Tilled S	ring Roots (C	Second Second Second Dri Dri Se Se Se Se Se Se Se Se Se S	Present? dary Indicate Marks diment Deleft Deposits ainage Patity-Season Vayfish Burretton Vis	Yes tors (2 or mo (B1) (Rivering posits (B2) (Figure 1997) (B3) (Rivering 1997) (B3) (Vater Table pows (C8) (C8) (C8) (C8)	No ore required) ne) Riverine) ine)
Sandy Gleyed Matrix (stestrictive Layer (if present type: Depth (inches): Depth (inches):	tors: n of one require (Nonriverine) (Nonriverine) (s) erial Imagery ()	Salt Crust (B Biotic Crust (Aquatic Inven Hydrogen Su Oxidized Rhi Presence of	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7	r (C1) s along Liv Iron (C4) in Tilled S	ring Roots (C	Second Wall Se Dri Dra 3) Cra Sal	Present? dary Indicater Marks diment Defit Deposits ainage Patity-Season Varifish Burreturation Visallow Aquit	tors (2 or mo (B1) (Riveri posits (B2) (i (B3) (Riveri terns (B10) Vater Table ows (C8) sible on Aeria ard (D3)	No Dre required) ne) Riverine) ine) (C2)
Sandy Gleyed Matrix (Stestrictive Layer (if present Property) Depth (inches):	tors: n of one require (Nonriverine) (Nonriverine) (s) erial Imagery ()	Salt Crust (B Biotic Crust (Aquatic Inver- Hydrogen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Su	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7	r (C1) s along Liv Iron (C4) in Tilled S	ring Roots (C	Second Wall Se Dri Dra 3) Cra Sal	Present? dary Indicate Marks diment Deleft Deposits ainage Patity-Season Vayfish Burretton Vis	tors (2 or mo (B1) (Riveri posits (B2) (i (B3) (Riveri terns (B10) Vater Table ows (C8) sible on Aeria ard (D3)	No Dre required) ne) Riverine) ine) (C2)
Sandy Gleyed Matrix (: Restrictive Layer (if prese Type: Depth (inches): POROLOGY Vetland Hydrology Indica rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Nor Surface Soil Cracks (B6 Inundation Visible on Ac Water-Stained Leaves (I eld Observations: Inface Water Present?	riverine) (Nonriverine) (riverine) (riverine) (riverine) (riverine) (riverine)	B7)	Salt Crust (B Biotic Crust (Aquatic Invertible) Hydrogen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Si Other (Explai	(B12) rtebrates (alfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	r (C1) s along Liv Iron (C4) in Tilled S ')	ring Roots (C	Second Wall Se Dri Dra 3) Cra Sal	Present? dary Indicater Marks diment Defit Deposits ainage Patity-Season Varifish Burreturation Visallow Aquit	tors (2 or mo (B1) (Riveri posits (B2) (i (B3) (Riveri terns (B10) Vater Table ows (C8) sible on Aeria ard (D3)	No Dre required) ne) Riverine) ine) (C2)
Sandy Gleyed Matrix (stestrictive Layer (if present type: Depth (inches): Dept	riverine) (Nonriverine) (Nonriverine) (riverine) (riverine) (riverine) (riverine) (riverine) (riverine) (riverine) (riverine)	B7)	Salt Crust (B Biotic Crust (Aquatic Inveit Hydrogen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Su Other (Explain	(B12) rtebrates (alfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	r (C1) s along Liv Iron (C4) in Tilled S ') arks)	ring Roots (C	Second Wall Se Dri Dra 3) Cra Sal	Present? dary Indicater Marks diment Defit Deposits ainage Patity-Season Varifish Burreturation Visallow Aquit	tors (2 or mo (B1) (Riveri posits (B2) (i (B3) (Riveri terns (B10) Vater Table ows (C8) sible on Aeria ard (D3)	No Dre required) ne) Riverine) ine) (C2)
Sandy Gleyed Matrix (: Restrictive Layer (if prese Type: Depth (inches): Remarks: POROLOGY Vetland Hydrology Indica rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Nor Surface Soil Cracks (B6 Inundation Visible on Ac Water-Stained Leaves (included observations: Inface Water Present? Interaction Present?	riverine) (Nonriverine) (Nonriverine) (S) erial Imagery (1889) Yes	B7) No	Salt Crust (B Biotic Crust (Aquatic Inveit Hydrogen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Su Other (Explain Depth (inches	(B12) rtebrates (alfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	r (C1) s along Liv Iron (C4) in Tilled S ')	ring Roots (C	Second Second Second Second Cond Second Second	Present? dary Indical ater Marks diment Del ft Deposits ainage Pati y-Season V ayfish Burro turation Vis allow Aquit C-Neutral	tors (2 or mo (B1) (Riveri posits (B2) (i (B3) (River terns (B10) Vater Table bws (C8) sible on Aeria ard (D3) Fest (D5)	No Dre required) ne) Riverine) ine) (C2) al Imagery (C
Sandy Gleyed Matrix (content of the content of the	riverine) (Nonriverine) (Nonriverine) (riverine)	No	Salt Crust (B Biotic Crust (Aquatic Invertible Hydrogen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Si Other (Explain Depth (inches Depth (inches	(B12) Intebrates (Ilfide Odor	r (C1) s along Liv lron (C4) in Tilled S ') arks)	ring Roots (Cools)	ydric Soil Second We Se Dri Dra 3) Dry FA	Present? dary Indical ater Marks diment Del ft Deposits ainage Pati y-Season V ayfish Burro turation Vis allow Aquit C-Neutral	tors (2 or mo (B1) (Riveri posits (B2) (i (B3) (River terns (B10) Vater Table bws (C8) sible on Aeria ard (D3) Fest (D5)	No Dre required) ne) Riverine) ine) (C2)
Sandy Gleyed Matrix (: Restrictive Layer (if prese Type: Depth (inches): POROLOGY Vetland Hydrology Indica rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Nor Surface Soil Cracks (B6 Inundation Visible on Ac Water-Stained Leaves (I eld Observations: Inface Water Present? Interaction Present? Interacti	riverine) (Nonriverine) (Nonriverine) (riverine)	No	Salt Crust (B Biotic Crust (Aquatic Invertible Hydrogen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Si Other (Explain Depth (inches Depth (inches	(B12) Intebrates (Ilfide Odor	r (C1) s along Liv lron (C4) in Tilled S ') arks)	ring Roots (Cools)	ydric Soil Second We Se Dri Dra Si Dry FA	Present? dary Indical ater Marks diment Del ft Deposits ainage Pati y-Season V ayfish Burro turation Vis allow Aquit C-Neutral	tors (2 or mo (B1) (Riveri posits (B2) (i (B3) (River terns (B10) Vater Table bws (C8) sible on Aeria ard (D3) Fest (D5)	No Dre required) ne) Riverine) ine) (C2) al Imagery (C
Sandy Gleyed Matrix (: Restrictive Layer (if prese Type: Depth (inches): Permarks: Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Nor Surface Soil Cracks (B6 Inundation Visible on A6	riverine) (Nonriverine) (Nonriverine) (riverine)	No	Salt Crust (B Biotic Crust (Aquatic Invertible Hydrogen Su Oxidized Rhi Presence of Recent Iron F Thin Muck Si Other (Explain Depth (inches Depth (inches	(B12) Intebrates (Ilfide Odor	r (C1) s along Liv lron (C4) in Tilled S ') arks)	ring Roots (Cools)	ydric Soil Second We Se Dri Dra Si Dry FA	Present? dary Indical ater Marks diment Del ft Deposits ainage Pati y-Season V ayfish Burro turation Vis allow Aquit C-Neutral	tors (2 or mo (B1) (Riveri posits (B2) (i (B3) (River terns (B10) Vater Table bws (C8) sible on Aeria ard (D3) Fest (D5)	No Dre required) ne) Riverine) ine) (C2) al Imagery (C

Project/Site: Fort Brace Go	City	10 E 1	
Applicant/Owner:	City	County: Fort	State: Ca Sampling Point: 6
Investigator(s): $\leq M_{\star}M_{\star} = 10^{-1}$	_		State: Cs Sampling Point:
Landform (hillslope, terrace, etc.):	Sec	tion, Township, F	State: Ca Sampling Point: 6 Range: NW/2 Ca 18 T 18 D K
Subrogion // DD):	Loc	al relief (concave	e, convex, none): Slope (%):
Soil Map Unit Name: 4,5 % %	Lat: 39%	5 45.15"	Slope (%):
our map offic realitie.			NIMI algorification
Are climatic / hydrologic conditions on the site typical fo	r this time of year?	Yes No	(If no, explain in Remarks.)
Are vegetation, Soil, or Hydrology	significantly distu	irbed? Are	e "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	naturally problem		needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site m	ap showing sar	mpling point	locations, transects, important features, e
Hydrophytic Vegetation Present? Yes			, mportant routeros, e
	No	Is the Sample	~/
Wetland Hydrology Present? Yes	No	within a Wetla	and? Yes No
Remarks:			
VEGETATION – Use scientific names of pl	ants.		
Tree Stratum (Plot size:)	Absolute Don	minant Indicator	Dominance Test worksheet:
1	% Cover Spe	cles? Status	Number of Dominant Species That Are OBL FACW or FAC:
2			That Are OBL, FACW, or FAC: (A)
3			Total Number of Dominant
4			Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size:)	= To	tal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B
1			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3			OBL species x 1 =
5.			FACW species x 2 =
			FAC species x 3 =
Herb Stratum (Plot size:)	= Tot	al Cover	FACU species x 4 = 4 c
1. Halens langta a	45	486	UPL species x5 = 400
2. Panicum virgation	30 Y	UPL	Column Totals: <u>90</u> (A) <u>440</u> (B)
3. Leontodon saxtilis	10 1	I Facu	Prevalence Index = B/A = 4.66
4. Coglis per-esper		J UPL	Hydrophytic Vegetation Indicators:
5. Anthoxanthan ederation) upl	Dominance Test is >50%
6. Vinca majer		2 LPL	N Prevalence Index is ≤3.01
Rephance replanistin	4	J 4PL	Morphological Adaptations¹ (Provide supporting
B. thymns glancus) yec	data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size:)	= Tota	al Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
1			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum % Cov	= Tota	l Cover	Hydrophytic Vegetation
Remarks:			Present? Yes No

Donth		
Depth Matrix	th needed to document the indicator or confi	m the absence of indicators.)
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	-
6-6 10 YR 3-1 100	_	Texture Remarks
6.18 10483-1 100		zandy lam (cobble
		Casale
Type: C=Concentration, D=Depletion, RM= Hydric Soil Indicators: (Applicable to all I	Reduced Matrix, CS=Covered or Coated Sand G	rains. ² Location: PL=Pore Lining, M=Matrix.
_ Histosol (A1)		Indicators for Problematic Hydric Soils ³ :
Histic Epipedon (A2)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Black Histic (A3)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
_ Stratified Layers (A5) (LRR C)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
_ 1 cm Muck (A9) (LRR D)	Depleted Matrix (F3)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)	,
_ Thick Dark Surface (A12)	Depleted Dark Surface (F7)	
Sandy Mucky Mineral (S1)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	wetland hydrology must be present,
estrictive Layer (if present):		unless disturbed or problematic.
Type:		
Depth (inches):		
lemarks:		Hydric Soil Present? Yes No
as prominant in	this location as in	eyer is shellow, but not point 4,
DDOL OOV		•
DROLOGY		•
DROLOGY etland Hydrology Indicators:		
'DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required;	check all that apply)	
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