# Altmann Oliver Associates, LLC

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**December 8, 2021** 

AOA-4682

April Jones Slalom 13 Investments, LLC april@taylordev.com

SUBJECT: Wetland and Stream Reconnaissance for 4135 - 332nd Ave. SE

Parcel 094310-0220, King County, WA

#### Dear April:

On August 8, 2014 I conducted an initial wetland and stream reconnaissance on the subject property utilizing the methodology outlined in the May 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0). No wetlands or streams were identified on or adjacent to the property during the site review.

On November 18, 2021 I conducted a second reconnaissance to confirm the lack of wetlands or streams on or adjacent to the site. Based on this recent site review, there are no wetlands or streams located on or adjacent to the subject property.

The northeastern portion of the site is developed with an existing single-family residence and associated parking area. The remainder of the property consisted of a relatively flat mowed pasture that included orchard grass (*Dactylis glomerata*), English plantain (*Plantago lanceolata*), and spotted cats-ear (*Hypochaeris radicata*), with patches of Himalayan blackberry (*Rubus armeniacus*) and Scot's broom (*Cytisus scoparius*). No hydrophytic plant communities were observed.

Borings taken throughout the site revealed high-chroma dry non-hydric soils and there was no evidence of prolonged soil saturation or ponding anywhere on the property. The entire site is mapped as Everett gravelly sandy loam by the Natural Resources Conservation Service (NRCS). **Attachment A** contains data sheets prepared for representative locations in the uplands on the site. These data sheets document the vegetation, soils, and hydrology information that aided in the no wetland determination for the property.

April Jones December 8, 2021 Page 2

#### Conclusion

No wetlands or streams were identified on or immediately adjacent the site. This determination is based on a field investigation during which no hydrophytic plant communities, hydric soils, or evidence of wetland hydrology or channels were observed.

If you have any questions regarding the reconnaissance, please give me a call.

Sincerely,

ALTMANN OLIVER ASSOCIATES, LLC

John Altmann Ecologist

## King County iMap



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Date: 12/8/2021 Notes:





# ATTACHMENT A DATA SHEETS

## WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project Site:	Parcel 09431	10-0220					City/Count	y:	/King	8	Sampling I	Date:	<u>11-</u>	<u>18-21</u>	
Applicant/Owner:	Slalom 13								State:	<u>WA</u> S	Sampling I	Point:	DP	<u>1</u>	
Investigator(s):	John Altmani	n, Jason Panzera						S	ection, Towns	ship, Range	: <u>S15,T2</u>	24N, R7E			
Landform (hillslope, ter	rrace, etc.):					Loca	al relief (conca	ive, conv	ex, none):			Slope	e (%):		_
Subregion (LRR):	<u>A</u>		Lat:	<u>47.56</u>	961			Long:	<u>-121.89881</u>			Datum:		-	
Soil Map Unit Name:									I	NWI classit	ication:				
Are climatic / hydrologi	ic conditions o	on the site typical fo	or this time	e of ye	ear?	Υ	'es ⊠	No	☐ (If no,	explain in l	Remarks.	)			
Are Vegetation ☐,	Soil 🔲	, or Hydrology	□, sig	gnifica	intly dis	sturbed	d? Are "N	Normal Ci	ircumstances"	present?		Yes	$\boxtimes$	No	
Are Vegetation □,	Soil 🔲	, or Hydrology	□, na	turally	proble	ematic	? (If nee	eded, exp	olain any answ	ers in Rem	arks.)				
SUMMARY OF FIN		tach site map s			•	•	locations,	transec	ts, importar	nt feature	s, etc.				
Hydrophytic Vegetation	n Present?		Yes		No		Is the Samp	lad Araa							
Hydric Soil Present?			Yes		No	$\boxtimes$	within a We					Yes		No	
Wetland Hydrology Pre	esent?		Yes		No	$\boxtimes$									
Remarks: see map															
/EGETATION - Use	e scientific	names of plant						I							
Tree Stratum (Plot siz	ze: <u>10</u> )		Absolu <u>% Cov</u>		Domi Speci		Indicator <u>Status</u>	Domin	ance Test Wo	orksheet:					
1								Numbe	er of Dominant	Species					
2								That Ar	re OBL, FACW	V, or FAC:		<u>0</u>			(A)
3								Total N	lumber of Dom	ninant		0			<b>(D)</b>
4								Specie	s Across All St	trata:		<u>2</u>			(B)
50% =, 20% =					= Tot	al Cov	er	Percen	t of Dominant	Species		0			(A /D)
Sapling/Shrub Stratur	m (Plot size: 1	<u>0</u> )							re OBL, FACW			<u>0</u>			(A/B)
1. Cytisus scoparius	i		<u>30</u>		<u>ves</u>		<u>UPL</u>	Preval	ence Index w	orksheet:					
2									Total %	Cover of:		Multip	oly by:		
3								OBL sp	pecies			x1 =			
4								FACW	species			x2 =			
5								FAC sp	pecies			x3 =	_		
50% = <u>15,</u> 20% = <u>6</u>			<u>30</u>		= Tot	al Cov	er	FACU:	species			x4 =			
Herb Stratum (Plot siz	ze: <u>10</u> )							UPL sp	ecies			x5 =			
1. Dactylis glomerate	<u>a</u>		<u>75</u>		yes		<u>FACU</u>	Column	n Totals:	(	A)			(	(B)
2. Plantago major			<u>15</u>		no		FAC			revalence I		'A =			
3. Hypochaeris radio	cata		10		no		FACU	Hydro	phytic Vegeta	tion Indica	ators:				
4.					_				- Rapid Test			etation			
5								_	- Dominance		, ,				
6								_	- Prevalence						
7										_		uda auma			
8.			-					□ ⁴	<ul> <li>Morphologic data in Rem</li> </ul>				orting		
9.			-					□ 5	- Wetland No	ın-Vascular	Plants <sup>1</sup>	,			
10.								_				-1 ( <b>-</b> l-:-)			
<u> </u>			-						Problematic Hy	aropnytic v	egetation	ı' (Expiain)			
11			100			al Cav		1Indica	tors of hydric s	soil and we	tland hydr	rology mus	t		
50% = <u>50</u> , 20% = <u>20</u>	(Diet size: 10)	<b>\</b>	<u>100</u>		- 100	al Cov	ei	be pres	sent, unless di	sturbed or	problema	tic.			
Woody Vine Stratum	(Flot size. <u>10</u> )	,													
1								Hydro	nhytic						
2								Vegeta	-	Ye	s		No	<b>o</b>	$\boxtimes$
50% =, 20% =					= 1 ot	al Cov	er	Preser	nt?						
% Bare Ground in He	erb Stratum														
Remarks:	orchard grass	is mowed													
		is mowed													

Project Site: <u>094310-0220</u>

inches) Color (moist)	%	Color (mo	oist) % Type	Loc <sup>2</sup>	- Texture			Remarks	3	
0-15 10YR3/2	100		<u> </u>		SL	silt loar		T COLLEGE	•	
<u> </u>				<u> </u>			<u></u>			
		<u> </u>	· <u></u>	<u> </u>		· – · <u>—</u>				
<u> </u>				- - —	<del>-</del>	· · <u> </u>				
			<u> </u>							
					-	. <u>—</u>				
pe: C= Concentration, D=Deple	∍tion, RM=F	Reduced Mat	rix, CS=Covered or Coated Sa	and Grains. <sup>2</sup> Lo	cation: PL=	Pore Lining, I	M=Matrix			
dric Soil Indicators: (Applical	ole to all LF	RRs, unless	otherwise noted.)			ators for Pro	blematic l	Hydric S	oils³:	
Histosol (A1)			Sandy Redox (S5)			2 cm Muck	(A10)			
Histic Epipedon (A2)			Stripped Matrix (S6)			Red Parent	•			
Black Histic (A3)			Loamy Mucky Mineral (F1) (	(except MLRA 1)		Very Shallo		•	<del>-</del> 12)	
Hydrogen Sulfide (A4)			Loamy Gleyed Matrix (F2)			Other (Expl	ain in Rem	narks)		
Depleted Below Dark Surface	e (A11)		Depleted Matrix (F3)							
Thick Dark Surface (A12)			Redox Dark Surface (F6)		31	: Charala				
Sandy Mucky Mineral (S1)			Depleted Dark Surface (F7)	)		cators of hydro etland hydrolo				
Sandy Gleyed Matrix (S4)			Redox Depressions (F8)	T		nless disturbe			-,	
strictive Layer (if present):										
e:								_		_
pth (inches):				HVARIC SOIIS P			Yes		No	Σ
· · · · · · · · · · · · · · · · · · ·	orphic featu	ires		Hydric Soils P	resent:					
emarks: dry with no redoximo	orphic featu	ires		Hydric Soils H	resenti					
marks: dry with no redoximo	orphic featu	ires		Hydric Soils F	resenti					
marks: dry with no redoximo			ıt apply)	Hydric Soils F		dary Indicator	s (2 or mor	re require	ed)	
DROLOGY etland Hydrology Indicators: mary Indicators (minimum of or			at apply) Water-Stained Leaves (B9)		Second	dary Indicator Water-Stained			ed)	
DROLOGY etland Hydrology Indicators: mary Indicators (minimum of or		check all tha			Second V		Leaves (B	39)	ed)	
DROLOGY etland Hydrology Indicators: mary Indicators (minimum of or Surface Water (A1)		check all tha	Water-Stained Leaves (B9)		Second V	Nater-Stained	Leaves (B	39)	ed)	
DROLOGY etland Hydrology Indicators: mary Indicators (minimum of or Surface Water (A1) High Water Table (A2)		; check all tha	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and	d 4B)	Second (	Water-Stained	Leaves (B A, and 4B) erns (B10)	(39) ()	ed)	
DROLOGY etland Hydrology Indicators: mary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)		check all tha	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and Salt Crust (B11)	d 4B)	Second (	Water-Stained MLRA 1, 2, 4 Drainage Patte	Leaves (B A, and 4B) erns (B10) ater Table	(C2)	•	
DROLOGY Etland Hydrology Indicators: mary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		check all that	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and Salt Crust (B11) Aquatic Invertebrates (B13)	d 4B)	Second (	Water-Stained MLRA 1, 2, 4 Drainage Patte Dry-Season W	Leaves (B A, and 4B) erns (B10) tater Table tible on Aer	(C2)	•	
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DROLOGY etland Hydrology Indicators: mary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)		check all tha	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon	d 4B)  ) ng Living Roots (C3	Second () () () () () () () () () () () () ()	Water-Stained MLRA 1, 2, 4 Drainage Patte Dry-Season W Saturation Visi Geomorphic P	Leaves (B A, and 4B) erns (B10) fater Table ible on Aer osition (D2 ard (D3)	(C2)	•	
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DROLOGY etland Hydrology Indicators: mary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial	ne required;	check all tha	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (Recent Iron Reduction in Til	d 4B)  ng Living Roots (C3 (C4) Illed Soils (C6) (D1) (LRR A)	Second () () () () () () () () () () () () ()	Water-Stained MLRA 1, 2, 4 Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T	Leaves (B A, and 4B) erns (B10) /ater Table ible on Aer osition (D2 ard (D3) fest (D5) bunds (D6)	(C2) ial Image	ery (C9)	
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process  pro	ne required; Imagery (B	check all that	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alone Presence of Reduced Iron (Recent Iron Reduction in Till Stunted or Stresses Plants (Other (Explain in Remarks)	d 4B)  ng Living Roots (C3 (C4) Illed Soils (C6) (D1) (LRR A)	Second () () () () () () () () () () () () ()	Water-Stained WLRA 1, 2, 4 Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	Leaves (B A, and 4B) erns (B10) /ater Table ible on Aer osition (D2 ard (D3) fest (D5) bunds (D6)	(C2) ial Image	ery (C9)	
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of or ] Surface Water (A1) ] High Water Table (A2) ] Saturation (A3) ] Water Marks (B1) ] Sediment Deposits (B2) ] Drift Deposits (B3) ] Algal Mat or Crust (B4) ] Iron Deposits (B5) ] Surface Soil Cracks (B6) ] Inundation Visible on Aerial ] Sparsely Vegetated Concaveled Observations:	lmagery (B	check all that	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron (Recent Iron Reduction in Till Stunted or Stresses Plants (	d 4B)  ng Living Roots (C3 (C4) Illed Soils (C6) (D1) (LRR A)	Second () () () () () () () () () () () () ()	Water-Stained WLRA 1, 2, 4 Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	Leaves (B A, and 4B) erns (B10) /ater Table ible on Aer osition (D2 ard (D3) fest (D5) bunds (D6)	(C2) ial Image	ery (C9)	
DROLOGY  Tetland Hydrology Indicators: rimary Indicators (minimum of or	Imagery (B	check all that	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alone Presence of Reduced Iron (Recent Iron Reduction in Till Stunted or Stresses Plants (Other (Explain in Remarks)	d 4B)  ng Living Roots (C3 (C4) Illed Soils (C6) (D1) (LRR A)	Second () () () () () () () () () () () () ()	Water-Stained WLRA 1, 2, 4 Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	Leaves (B A, and 4B) erns (B10) /ater Table ible on Aer osition (D2 ard (D3) fest (D5) bunds (D6)	(C2) ial Image	ery (C9)	
DROLOGY  Tetland Hydrology Indicators:  Timary Indicators (minimum of or	Imagery (B	check all that	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon Presence of Reduced Iron ( Recent Iron Reduction in Til Stunted or Stresses Plants ( Other (Explain in Remarks)	d 4B)  ing Living Roots (C3) (C4) Illed Soils (C6) (D1) (LRR A)	Second () () () () () () () () () () () () ()	Water-Stained WLRA 1, 2, 4 Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	Leaves (B A, and 4B) erns (B10) fater Table lible on Aer osition (D2 ard (D3) est (D5) bunds (D6) lummocks	(C2) ial Image	ery (C9)	lo
DROLOGY  Vetland Hydrology Indicators: rimary Indicators (minimum of or  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Surface Soil Cracks (B6)  Inundation Visible on Aerial  Sparsely Vegetated Concaver (Adams of the Conca	Imagery (B	check all that	Water-Stained Leaves (B9)  (except MLRA 1, 2, 4A, and Salt Crust (B11)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres alon  Presence of Reduced Iron ( Recent Iron Reduction in Til  Stunted or Stresses Plants ( Other (Explain in Remarks)  Depth (inches):  Depth (inches):	d 4B)  Ing Living Roots (C3 (C4) Illed Soils (C6) (D1) (LRR A)  We	Second () () () () () () () () () () () () ()	Water-Stained MLRA 1, 2, 4. Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo Frost-Heave H	Leaves (B A, and 4B) erns (B10) fater Table lible on Aer osition (D2 ard (D3) est (D5) bunds (D6) lummocks	(C2) (C2) (ial Image (?) (LRR A)	ery (C9)	lo
DROLOGY  Tetland Hydrology Indicators: rimary Indicators (minimum of or  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Surface Soil Cracks (B6)  Inundation Visible on Aerial  Sparsely Vegetated Concavel (B4)  Indicator Visible on Aerial  Sparsely Vegetated Concavel (B4)  Professor Vegetated Concavel (B4)  Professor Vegetated Concavel (B4)  Surface Water Present?  Yesturation Present?	Imagery (B	check all that	Water-Stained Leaves (B9)  (except MLRA 1, 2, 4A, and Salt Crust (B11)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres alon  Presence of Reduced Iron ( Recent Iron Reduction in Til  Stunted or Stresses Plants ( Other (Explain in Remarks)  Depth (inches):  Depth (inches):	d 4B)  Ing Living Roots (C3 (C4) Illed Soils (C6) (D1) (LRR A)  We	Second () () () () () () () () () () () () ()	Water-Stained MLRA 1, 2, 4. Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo Frost-Heave H	Leaves (B A, and 4B) erns (B10) fater Table lible on Aer osition (D2 ard (D3) est (D5) bunds (D6) lummocks	(C2) (C2) (ial Image (?) (LRR A)	ery (C9)	lo

## WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project Site:	Parcel 09431	10-0220					City/Count	y:	/King	Sa	mpling D	ate:	<u>11-</u>	<u>18-21</u>	
Applicant/Owner:	Slalom 13								State: <u>V</u>	<u>WA</u> Sa	mpling P	oint:	DP	2	
Investigator(s):	John Altman	n, Jason Panzera						S	ection, Townshi	p, Range:	S15,T2	4N, R7E			
Landform (hillslope, ter	rrace, etc.):					Loca	I relief (conca	ve, conve	ex, none):			Slope	e (%):		_
Subregion (LRR):	<u>A</u>		Lat:	<u>47.56</u>	<u>961</u>			Long:	<u>-121.89881</u>			Datum:		_	
Soil Map Unit Name:									N/	WI classific	ation:				
Are climatic / hydrologi	ic conditions of	on the site typical fo	r this time	e of ye	ear?	Ye	es 🛚	No	(If no, ex	xplain in Re	emarks.)				
Are Vegetation □,	Soil 🔲	, or Hydrology	□, sig	gnifica	ntly dis	sturbed	? Are "N	Normal Ci	ircumstances" pı	resent?		Yes	$\boxtimes$	No	
Are Vegetation ☐,	Soil 🔲	l, or Hydrology	□, na	turally	/ proble	ematic?	(If nee	eded, exp	olain any answer	rs in Rema	rks.)				
SUMMARY OF FIN		tach site map s			•		locations,	transec	ts, important	features	, etc.				
Hydrophytic Vegetation	n Present?		Yes	$\boxtimes$	No		Is the Samp	lad Araa							
Hydric Soil Present?			Yes		No	М	within a Wet					Yes		No	
Wetland Hydrology Pre	esent?		Yes		No	$\boxtimes$									
Remarks: see map															
/EGETATION - Use	e scientific	names of plants						1							
Tree Stratum (Plot size	ze: <u>10</u> )		Absolu <u>% Cov</u>		Domii Speci		Indicator <u>Status</u>	Domin	ance Test Worl	ksheet:					
1								Numbe	er of Dominant S	pecies		4			<b>(A)</b>
2								That Ar	re OBL, FACW,	or FAC:		<u>1</u>			(A)
3								Total N	lumber of Domin	nant		4			(D)
4								Species	s Across All Stra	ata:		<u>1</u>			(B)
50% =, 20% =					= Tota	al Cove	er	Percen	it of Dominant S <sub>l</sub>	pecies		100			(A/B)
Sapling/Shrub Stratur	<u>m</u> (Plot size: <u>1</u>	<u>(0)</u>						That Ar	re OBL, FACW,	or FAC:		100			(A/D)
1. Rubus armeniacu	<u>ıs</u>		<u>100</u>		<u>yes</u>		<u>FAC</u>	Prevale	ence Index wor	ksheet:					
2									Total % Co	over of:		Multip	oly by:	-	
3								OBL sp	pecies			x1 =			
4								FACW	species			x2 =	_		
5								FAC sp	pecies			x3 =	_		
50% =, 20% =					= Tota	al Cove	er	FACU	species			x4 =	_		
Herb Stratum (Plot size	ze: <u>10</u> )							UPL sp	pecies			x5 =	_		
1								Column	n Totals:	(A)	)			(	(B)
2									Prev	valence Inc	dex = B/A	\ =			
3								Hydrop	phytic Vegetation	on Indicat	ors:				
4								□ 1	- Rapid Test fo	r Hydrophy	∕tic Vege	tation			
5									- Dominance Te	est is >50%	, 0				
6								П 3	- Prevalence In	dex is <3.0	)1				
7								4	- Morphological	_		ride sunno	ortina		
8.				,				□ "	data in Remar				nung		
9.								□ 5	- Wetland Non-	Vascular P	lants <sup>1</sup>				
10.								□ Р	Problematic Hydr	ronhytic Ve	netation <sup>1</sup>	(Evnlain)			
11				•					Toblemate Hydr	opriyac ve	gotation	(Explain)			
50% =, 20% =					= Tota	al Cove			tors of hydric soi				t		
Woody Vine Stratum		١	-		- 100	ai oove	,ı	be pres	sent, unless dist	urbed or pr	oblemati	C.			
1.	<u>(</u> (1 .01 0.20. <u>10</u> )	,													
2			-					Hydrop	phytic						
50% =, 20% =						al Cove		Vegeta	ation	Yes		$\boxtimes$	No	<b>o</b>	
					- 101	ai 00ve		Presen	nt?						
% Bare Ground in He		<del></del>													
Remarks:	Hımalayan bla	ackberry mowed													

Project Site: <u>094310-0220</u>

	atrix	0/.	Color (n	aciet)	Redox Fea		Loc <sup>2</sup>			D	omorko		
<u>0-15</u> Color (moi	<u> </u>	% 100	Color (m	ioist)	<u> </u>	Type <sup>1</sup>		Texture <u>SL</u>	silt loam	K	emarks		
<u>0-15</u> <u>101K3/</u>	<u>.</u>	100		-				<u>SL</u>	SIILIUAIII				
	_			-									
	_			-									
	_			_					<u> </u>				
	_			-									
	_			_									
				_	<u> </u>								
pe: C= Concentration, [	=Depletio	n, RM=F	Reduced Ma	- ıtrix, CS=	:Covered or Co	oated Sand	d Grains. 2	Location: PL:	=Pore Lining, M=	Matrix			
dric Soil Indicators: (A	pplicable	to all LF	Rs, unless	otherw	ise noted.)			Indi	cators for Proble	ematic Hy	ydric S	oils³:	
Histosol (A1)				Sand	y Redox (S5)				2 cm Muck (A	10)			
Histic Epipedon (A2)				Stripp	oed Matrix (S6)	)			Red Parent M	aterial (TF	<del>-</del> 2)		
Black Histic (A3)				Loam	ny Mucky Mine	ral (F1) <b>(ex</b>	(cept MLRA 1)		Very Shallow	Dark Surfa	ace (TF	12)	
Hydrogen Sulfide (A	.)			Loam	ny Gleyed Matr	rix (F2)			Other (Explain	n in Rema	rks)		
Depleted Below Dark	Surface (	A11)		Deple	eted Matrix (F3	3)							
Thick Dark Surface (	<del>1</del> 12)			Redo	x Dark Surface	e (F6)							
Sandy Mucky Minera	(S1)			Deple	eted Dark Surfa	ace (F7)			icators of hydroph				
Sandy Gleyed Matrix	(S4)			Redo	x Depressions	(F8)			vetland hydrology inless disturbed o			,	
strictive Layer (if prese	nt):												
e:													
oth (inches):							Hudria Caila	Present?		Yes		No	
marks: dry							Hydric Soils						
marks: dry  DROLOGY							Hyunc Soils						
PROLOGY	tors:						Hyunc Soils						
PROLOGY tland Hydrology Indic		equired;	check all th	at apply)			Hyunc Soils		ndary Indicators (;	2 or more	require	d)	
PROLOGY tland Hydrology Indic		equired;	check all th		) r-Stained Leav	ves (B9)	Hyunc Soils	Secor	ndary Indicators (: Water-Stained Le			d)	
ROLOGY tland Hydrology Indic mary Indicators (minimu	m of one re	equired;		Wate				_ Secon		eaves (B9		d)	
PROLOGY tland Hydrology Indicators (minimu Surface Water (A1)	m of one re	equired;		Wate (exce	r-Stained Leav			Secon	Water-Stained Le	eaves (B9) and 4B)		d)	
ROLOGY tland Hydrology Indica mary Indicators (minimu Surface Water (A1) High Water Table (A	m of one re	equired;		Wate (exce	r-Stained Leav	, 4A, and 4		Secon	Water-Stained Le	eaves (B9) and 4B) as (B10)	)	d)	
PROLOGY  tland Hydrology Indicators (minimu  Surface Water (A1)  High Water Table (A1)  Saturation (A3)	m of one re	equired;		Wate (exce Salt (	r-Stained Leav ept MLRA 1, 2 Crust (B11)	<b>, 4A, and 4</b> es (B13)		Secon	Water-Stained Le (MLRA 1, 2, 4A, Drainage Pattern	eaves (B9) and 4B) as (B10) er Table (0	) C2)		
PROLOGY  Itland Hydrology Indicators (minimumous Surface Water (A1)  High Water Table (A1)  Saturation (A3)  Water Marks (B1)	m of one re	equired;		Wate (exce Salt ( Aqua Hydro	r-Stained Leavert MLRA 1, 2, 2, 2, 2, 2, 2, 2, 2, 3, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	es (B13)		Secon	Water-Stained Le (MLRA 1, 2, 4A, Drainage Pattern Dry-Season Water	eaves (B9) and 4B) as (B10) er Table (Ge) e on Aeria	) C2)		
PROLOGY  tland Hydrology Indicators (minimus Surface Water (A1)  High Water Table (A Saturation (A3)  Water Marks (B1)  Sediment Deposits (	m of one ro	equired;		Wate (exce Salt ( Aqua Hydro	r-Stained Leavert MLRA 1, 2, 2, 2, 2, 2, 2, 2, 2, 3, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	es (B13)  Odor (C1)  eres along l	<b>4B)</b> Living Roots (C	Secon	Water-Stained Le (MLRA 1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible	eaves (B9) and 4B) s (B10) er Table (Ge on Aeria	) C2)		
PROLOGY  Itland Hydrology Indications  Mary Indicators (minimus  Surface Water (A1)  High Water Table (A  Saturation (A3)  Water Marks (B1)  Sediment Deposits (  Drift Deposits (B3)	m of one ro	equired;		Wate (exce Salt ( Aqua Hydro Oxidi Prese	r-Stained Leav ept MLRA 1, 2, Crust (B11) tic Invertebrate ogen Sulfide O zed Rhizosphe	es (B13) dor (C1) eres along led Iron (C4	<b>4B)</b> Living Roots (C	Secor	Water-Stained Le (MLRA 1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi	eaves (B9) and 4B) as (B10) er Table (Ce on Aerial ition (D2) (D3)	) C2)		
tland Hydrology Indicators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (E	m of one ro 2) B2)	equired;		Wate (exce Salt ( Aqua Hydro Oxidi Prese Rece	r-Stained Leav ept MLRA 1, 2, Crust (B11) tic Invertebrate ogen Sulfide O zed Rhizosphe ence of Reduce	es (B13) dor (C1) eres along led Iron (C4) ion in Tilled	Living Roots (C	Secon	Water-Stained Le (MLRA 1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard	eaves (B9) and 4B) s (B10) er Table (Ge on Aeria ition (D2) (D3) t (D5)	C2)		
PROLOGY  tland Hydrology Indicators (minimus Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (E Iron Deposits (B5) Surface Soil Cracks Inundation Visible of	m of one ro 2) B2) (4) (B6) Aerial Im:	agery (B		Wate (exce Salt ( Aqua Hydro Oxidi Prese Rece Stunt	ept MLRA 1, 2, Crust (B11) tic Invertebrate ogen Sulfide O zed Rhizosphe ence of Reduce int Iron Reduct	es (B13) dor (C1) eres along led Iron (C4 ion in Tilled	Living Roots (C	Secon	Water-Stained Le (MLRA 1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard FAC-Neutral Tes	eaves (B9) and 4B) is (B10) er Table ((e) e on Aeria ition (D2) (D3) t (D5) inds (D6) (I	C2) I Image		
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DROLOGY  Interpretable of the present?  Indicators (minimum of the present of the	m of one ro  2)  B2)  (4)  (B6)  a Aerial Im: Concave S	agery (B Surface (		Wate (exce Salt ( Aqua Hydro Oxidi Prese Rece Stunt Other	ept MLRA 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	es (B13) bdor (C1) eres along led Iron (C4 ion in Tilled s Plants (D' emarks)	Living Roots (C	Secon	Water-Stained Le (MLRA 1, 2, 4A, Drainage Pattern Dry-Season Wate Saturation Visible Geomorphic Posi Shallow Aquitard FAC-Neutral Tes Raised Ant Moun	eaves (B9) and 4B) is (B10) er Table ((e) e on Aeria ition (D2) (D3) t (D5) inds (D6) (I	C2) I Image		
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