#### WETLAND DELINEATION REPORT

Prepared for: Rich Davis

Regarding the property at:
710 Whispering Pines Circle
Town of Blue River
Schedule Number 6511068



### Prepared September 9, 2020 by:

### Littlehorn Engineering & Surveying, LLC

970-879-5112 Steamboat Springs, CO 80477 719-836-7120 Fairplay, CO 80440 www.littlehornengineering.com



Our Project No. 2020-6511068

# **CONTENT SECTIONS**

I.	Project Information	4
II.	Project Overview	5
III.	Site Description	7
IV.	Plant List	8
V.	Soils	10
VI.	Hydrology	10
VII.	Summary	10

### Enclosure:

Vicinity Map Site Map Data Forms A and B



### **List of Abbreviations and Acronyms**

ACOE U.S. Army Corps of Engineers

FAC Facultative

FACU Facultative Upland FACW Facultative Wetland

NRCS National Resources Conservation Service

NWI National Wetlands Inventory NWPL National Wetland Plant List

OBL Obligate UPL Upland

USDA U.S. Department of Agriculture USFWS U.S. Fish and Wildlife Service

WSS Web Soil Survey



# I. Project Information

#### Landowner and Client:

Rich Davis

#### **Subject Property Address:**

710 Whispering Pines Circle Timber creek Estates Block 3, Lot 17B Blue River, CO 80424

#### **Our Project Number:**

2020-6511068

#### Field Wetland Consultant:

Joseph Littlehorn Littlehorn Engineering & Surveying, LLC P.O. Box 776390 Steamboat Springs, CO 80477

### **Engineer and Consultant:**

John Littlehorn, P.E. Littlehorn Engineering & Surveying, LLC P.O. Box 776390 Steamboat Springs, CO 80477 351 US Hwy 285 suite 201 Fairplay, CO 80440



### II. Project Overview

Per the client's request, we visited the subject site on August 25, 2020 to perform a wetland delineation to determine the presence of wetlands and locate the wetland boundary. The purpose of the wetland delineation and this

report is to document the wetland area(s) present on the site with the intention of aiding project planning to minimize disturbance of the wetland areas. Wire flags labeled "Wetland Delineation" were placed the wetland along boundary and labeled A-1 through A-16, and through B-12. These flags comprise one wetland area



illustrated on the attached site map. This delineation was conducted in accordance with the U.S. Army Corps of Engineers' (ACOE) standard protocol for determining wetlands in the Western Mountains, Valleys, and Coast Region. Wetlands adjacent to the subject property were not delineated. Wetland-type areas shall not be disturbed without permission from the



ACOE, Town of Blue River, and us. Prior to our site visit, multiple data sources were analyzed to obtain a better understanding of the area. Some data sources consulted included aerial imagery, topographic maps, WSS maps published by the NRCS, and USFWS NWI maps. The wetland boundary on 710 Whispering Pines Circle was located based on ACOE standard protocol, in accordance with the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0) published by the

ACOE in May 2010. Our delineation involved a detailed examination of vegetation, soils, and hydrology. Dominant vegetative species were documented and compared to the NWPL to determine the wetland indicator status of each species. OBL species occur almost exclusively in wetlands. FACW species usually occur in wetlands but may on occasion exist in non-wetland areas. FAC species occur equally in wetland and non-wetland environments. FACU species usually occur in non-wetland environments. UPL species very rarely grow in wetland environments. If a species is not found to be included in the NWPL, its indicator status is assumed to be UPL. Generally, if it is found that more than 50% of the vegetative species within a single plant community possess an indicator status of FAC, FACW, or OBL, this area would satisfy the ACOE criteria for wetland vegetation. Soil exploration and examination was conducted at multiple points across the site, collected in accordance with Munsell color methods. If hydric soil indicators were discovered, additional areas of exploration may have been

established along the gradient to accurately identify the extent of hydric soils. Throughout our investigation onsite, hydrologic indicators were taken note of, specifically looking for such indicators as surface water, high water tables, soil saturation, water marks, sediment deposits, drainage patterns, and other indicators. Examinations for all areas investigated and deemed nonwetland areas are not necessarily included in this report. The wetland boundary is characterized in many areas by an abrupt transition from mostly hydrophytic vegetation to upland species. A site map is attached that approximately illustrates the wetland



area(s) in blue, with sampling point locations shown in red. Wetlands provide many valuable functions such as flood control and wildlife habitat in addition to being areas that aid to filter out contaminants in the groundwater. Wetlands shall not be disturbed without approval from the Town of Blue

River and the ACOE. This delineation shall be considered valid for five (5) years' time.

### III. Site Description

The ecosystem for these properties is in the Sub-Alpine Forest of Colorado, at an elevation of over 10,250 feet, and in the Central Colorado Rocky Mountains. The wetland delineation conducted on 710 Whispering Pines Circle in Blue River, Colorado located within Summit County, began on Whispering Pines Circle near the northwest corner of the lot and proceeded to the east.



The property slopes gently west with a canopy Engelmann Spruce and Subalpine Fir trees. Most of the property consists of subalpine forest habitat with wildflowers. shrubs and grasses. The wetland dominated by an herb named Field Horsetail. The wetland area has been mapped with the NWI, and is classified as

R4SBC, which stand for Riverine (R), Intermittent (4), Streambed (SB), and Seasonally Flooded (C). The "Riverine" system includes all wetlands and deep-water habitats contained within a channel. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water. The "Intermittent" subsystem is used to describe channels that contain flowing water only part of the year. When the water is not flowing, it may remain in isolated pools or surface water may be absent. The "Streambed" class includes all wetlands contained within the "Intermittent" subsystem of the "Riverine" system. A "Seasonally Flooded" water regime refers to surface water that is present for extended periods especially early in the growing season, but is absent by the end of the growing season in most years. The water table after flooding ceases is



variable, extending from saturated to the surface to a water table well below the ground surface.



Soils within the site have not been mapped with the NRCS, as the site lies just off the edge of the map. Areas within a close proximity have been classified as Grenadier gravelly loam (6 to 15 percent slopes), generally consisting of gravelly sandy clay loam with cobble. The NRCS notes that while Grenadier and similar soils comprise approximately 80% of the area, approximately 10% of the mapped area is considered a cumulic or histic cryaquoll, both of which are considered hydric soils and are strong wetland indicators.

On the north side of the property, there is a stream that appears to flow intermittently throughout the year. At the time of the delineation, the above-ground stream averaged less than 2 feet across. The wetland was marked by the small Field Horsetail herbs and fragile Streambank Pseudosaxifrage that prefer wet soils at higher elevations in Colorado, making the wetland distinctive and irreplaceable if it is disturbed. The wetland had many grasses, sedges, mosses and flowering herbaceous plants that require saturated soils.

### IV. Plants

Multiple plant species were identified across the site in both wetland and upland environments as listed below. In instances where a plant species is found to be present in both wetland and upland areas, the percent coverage in each plant community has been combined to reflect total cover across the site.



Common Name	Scientific Name	Indicator Status	Coverage
Narrow-Leaf Fireweed	Chamaenerion angustifolium	FACU	73%
Field Horsetail	Equisetum arvense	FAC	65%
Engelmann's Spruce	Picea engelmannii	FAC	62%
Smooth Brome	Bromus inermis	UPL	35%
Virginia Strawberry	Fragaria virginiana	FACU	29%
Subalpine Fir	Abies lasiocarpa	FACU	20%
Grouseberry	Vaccinium scoparium	FACU	20%
Daffodil Leopardbane	Arnica latifolia	FAC	18%
Streambank Pseudosaxifrage	Micranthes odontoloma	FACW	18%
Silvery Lupine	Lupinus argenteus	UPL	10%
Four-Line Honeysuckle	Lonicera involucrata	FAC	10%
Queen Anne's-Lace	Daucus carota	FACU	10%
Common Dandelion	Taraxacum officinale	FACU	8%
Gray Willow	Salix bebbiana	FACW	8%
Unidentified Sedge	Carex sp.	FACW*	8%
Large Mountain Fleabane	Erigeron coulteri	FACW	7%
Arrow-Leaf Ragwort	Senecio triangularis	FACW	7%
Common Yarrow	Achillea millefolium	FACU	5%
Bull Thistle	Cirsium vulgare	FACU	5%
Fringed Grass-of-Parnassus	Parnassia fimbriata	OBL	5%
Red Elder	Sambucus racemosa	FACU	4%
Bog Orchid	Platanthera aquilonis	FACW	3%
Common Red Raspberry	Rubus idaeus	FACU	3%

<sup>\*</sup>Indicator status of carex sp. was assumed to be FACW. It was not able to be identified due to the fact that reproductive parts were not visible.



#### V. Soils

Sampling Point A was located in an area dominated by vegetation that falls under the wetland classification facultative wet. Soil samples taken in this area were dark in color, and were rich in organic matter. The texture of the soil was determined to be a silt loam by the hand-texturing method. The 0-14 inch depth exhibited a matrix that was comprised of a silt loam texture, black in color (10YR 2/1). Multiple soil samples were taken within the wetland area that yielded similar results.



### VI. Hydrology

The hydrology of this wetland is supplied largely by snow melt every year. Deep snow packs accumulate in the mountains up valley (specifically Red Mountain to the east) and melt off occurs each spring, recharging the water table in the valley below. Saturated soils act as a sponge slowly releasing water that flows down valley below the surface of the soil. The property is located in the headwater region of the Blue River drainage basin. These low-lying areas likely serve important functions, such as flood control, nutrient and contaminant sequestration, as well as wildlife habitat. Seasonal fluctuations of the water table likely coincide with the runoff season with the highest water table coming in late spring. A 100-year flood evaluation or stream flow study has not been performed by our firm.

### VII. Summary

Wetland delineation flags were placed on block 3, lot 17B, in the Timber Creek Estates Subdivision; a survey of the lot is currently pending and is being performed by others. The wetland is dominated by Field Horsetail across the majority of the wetland area and is part of a network of wetlands that shadow

the Blue River drainage basin as it continues down the valley. The network of wetlands is important to the wildlife habitat of the region. Wetlands shall not be disturbed without Town of Blue River and ACOE approval. Regulations include development and building setbacks to wetland boundaries, and the ACOE regulates all wetlands, therefore, all property development shall adhere to these regulations.

Thank you for the opportunity to serve your needs. If you have any questions about this report, please feel free to contact us at (970) 879-5112.

Sincerely,

Joseph Littlehorn, Wetland Consultant

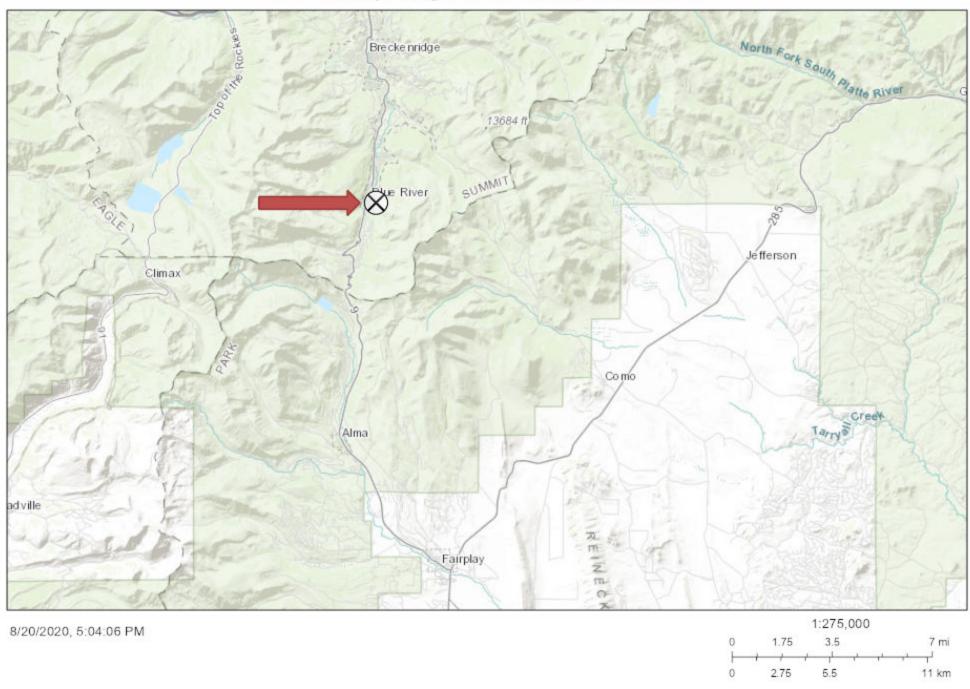
Littlehorn Engineering & Surveying, LLC

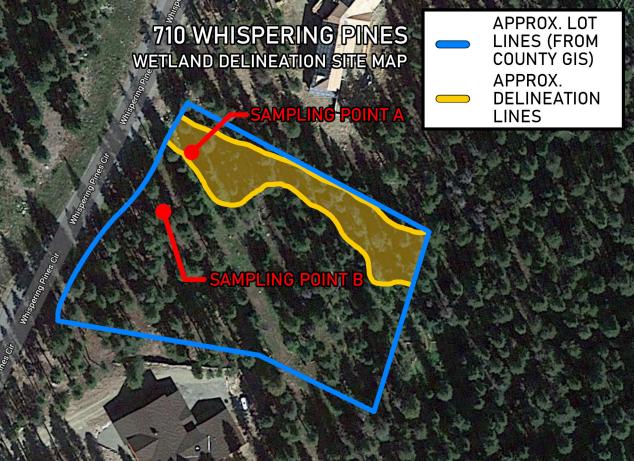
**Enclosure:** 

Vicinity Map Site Map Data Forms A and B



# 710 Whispering Pines Circle, Blue River





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

Project/Site:	710 Whispering Pines Circle		City/County	y:To	own of Blue River	Sampli	ng Date:	8/25/2020	)
Applicant/Owner:		Davis			State: C				
Investigator(s):	Joseph Littlehorn								
	e, etc.): Hillslope						Slope	e (%): 1!	5
Subregion (LRR):					Long:				
• , ,	N	ot mapped			NWI cl	accification:	Batani	 4SBC	
	onditions on the site typical for th								
	il, or Hydrology				'Normal Circumstan			No	
Are Vegetation, So	il, or HydrologyX	naturally pro	oblematic?	(If ne	eded, explain any a	answers in Rer	marks.)		
SUMMARY OF FIND	INGS - Attach site map	showing	ı samplir	ng point l	ocations, trans	ects, impo	rtant fea	itures, et	c.
Hydrophytic Vegetation F	Present? Yes X	No							
Hydric Soil Present?	Yes X			he Sampled	Area				
Wetland Hydrology Prese	ent? Yes X	No	with	hin a Wetlar	nd? Yes	No	0		
Remarks:									
Hydrology is prob	lematic because we ar	re outsid	e of the	peak we	et season, whi	ch was ~J	June 7 th	nis year	.
VEGETATION – Use	scientific names of plan	nts.							
Tree Stratum (Plot size:	* \	Absolute % Cover	Dominan Species?	t Indicator	Dominance Test				
1. Picea engelmannii	)	25	X Species:	FAC	Number of Domin That Are OBL, FA		6	(A)	
			· — · · ·		That Aic OBE, 17	1011, 01170.		(八)	
					Total Number of I Species Across A		6	(B)	
							-	(D)	
			= Total Co	over	Percent of Domin That Are OBL, FA		100	(A/E	3)
Sapling/Shrub Stratum (	(Plot size:*)				Prevalence Inde				-)
1. Lonicera involucrata		8	X	- ——	Total % Cove			hv.	
2. Salix bebbiana			X	FACW	OBL species _	-		5	
3. Picea engelmannii			X	FAC	FACW species			118	
4					FAC species _			315	
5		23			FACU species	16 <sub>&gt;</sub>	x 4 =	64	
Herb Stratum (Plot size:	* )		_ = Total Co	over	UPL species _	•		0	
1. Equisetum arvense		65	×	FAC	Column Totals:	185 (/	A)5	502 (B)	)
2. Micranthes odontoloma		18	×	FACW	Provolence	Index = B/A =	_ 2.7	<sup>7</sup> 1	
3. Poa leptocoma		15		FACW	Hydrophytic Veg				-
4. Chamaenerion angustif	olium	8		FACU		st for Hydrophy		tion	
5. Carex sp.		8		FACW	✓ 2 - Dominano		-		
6. Senecio triangularis		7		FACW	✓ 3 - Prevalence				
7. Parnassia fimbriata		5		OBL	4 - Morpholo	gical Adaptatio	ons¹ (Provid	de supportir	ng
8. Fragaria virginiana		4		FACU		emarks or on a		sheet)	
9. Daucus carota		_ 4		FACU	√ 5 - Wetland N				
10. Patanthera aquilonis		3	·	FACW	Problematic I		-		
11		105			<sup>1</sup> Indicators of hyd be present, unles	ric soil and we s disturbed or	tland hydro problematic	ology must c.	
Woody Vine Stratum (P	lot size: * )	137	_= Total Co	over					-
	lot 3i26				Usalvanhsatia				
					Hydrophytic Vegetation	<b>\</b>			
			= Total Co	over	Present?	Yes X	_ No		
% Bare Ground in Herb S	Stratum 20								
Remarks:									
*Sampled entire pl	ant community. Uniden	tified mo	ss prese	ent, appro	oximately 60 p	ercent of t	he canor	py cover	`.

SOIL								Sampling Point: A
Profile Des	cription: (Describe	o the depth	n needed to docu	ment the in	dicator	or confirm	the absence	of indicators.)
Depth	Matrix	•		x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-14	10YR 2/1	100	-	<u>-</u>	-		SiL	~25% organic matter
-	-				-			
	<u></u>				-			
	Concentration, D=Dep					d Sand Gr		ation: PL=Pore Lining, M=Matrix.
-	Indicators: (Application	able to all L			d.)			s for Problematic Hydric Soils <sup>3</sup> :
X Histoso		_	Sandy Redox (					Muck (A10)
	Epipedon (A2) Histic (A3)	_	Stripped Matrix Loamy Mucky I		(excent	MIRA 1)		Parent Material (TF2) Shallow Dark Surface (TF12)
	en Sulfide (A4)	_	Loamy Gleyed	, ,	(except	WILKA I)		r (Explain in Remarks)
	ed Below Dark Surface	e (A11)	Depleted Matrix	, ,			<del></del>	, ,
	ark Surface (A12)	_	Redox Dark Su	` '				s of hydrophytic vegetation and
	Mucky Mineral (S1)	_	Depleted Dark		)			nd hydrology must be present,
	Gleyed Matrix (S4)  Layer (if present):	-	Redox Depress	sions (F8)			unless	s disturbed or problematic.
Type:	Layer (ii present).							
	nches):		<del></del>				Hydric Soil	Present? Yes X No
Remarks:	iciles)		<u> </u>				Hydric 30ii	riesent: Tes / NO
	did not yield n	oticeabl	e Hydrogen	Sulfide	odor.			
HYDROLO								
· ·	drology Indicators:							
	icators (minimum of o	ne required;	•••		(D0) (			dary Indicators (2 or more required)
	e Water (A1)			ined Leaves		xcept	VV	ater-Stained Leaves (B9) (MLRA 1,
X Saturat	ater Table (A2)		Salt Crust	<b>1, 2, 4A, an</b>	ia 46)		Dr	<b>4A, and 4B)</b> ainage Patterns (B10)
	Marks (B1)		Aquatic In		(B13)			y-Season Water Table (C2)
	ent Deposits (B2)		Hydrogen					aturation Visible on Aerial Imagery (C
Drift De			Oxidized F			Living Roo		eomorphic Position (D2)
	lat or Crust (B4)			of Reduced	_	_		nallow Aquitard (D3)
Iron De	posits (B5)		Recent Iro	on Reduction	n in Tille	d Soils (C6	i) <u>×</u> FA	AC-Neutral Test (D5)
Surface	e Soil Cracks (B6)		Stunted or	r Stressed P	Plants (D	1) ( <b>LRR A</b> )	) Ra	aised Ant Mounds (D6) (LRR A)
	tion Visible on Aerial I			plain in Rem	narks)		Fr	ost-Heave Hummocks (D7)
	ly Vegetated Concave	Surface (B	8)					
Field Obse			<b>V</b>					
			o X Depth (in			_		
Water Table			o Depth (in			-		× ×
Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes No Dinches No Depth (inches): 0 No D								
Describe Re	ecorded Data (stream	gauge, mor	nitoring well, aerial	photos, prev	vious ins	pections),	if available:	
USGS 09	046490 Stream	Gauge a	t Blue River r	ecorded	peak	flows a	round June	e 7, 2020, and July 20, 202
Remarks:		J			1			, , <b>,</b> .,
Problem	natic hydrology	becaus	e the deline	ation wa	s per	formed	l durina th	e dry season.
	, 9)				1		<i>y</i>	,

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

	710 Whispering Pines Circle			/:T	own of Blue River	Sampling D	ate:8/2!	8/25/2020	
Applicant/Owner:	Rich D				State: C0				
Investigator(s):	Joseph Littlehorn								
Landform (hillslope, terrace, etc							Slope (%):	: 15	
Subregion (LRR):					Long: 106°02				
Soil Map Unit Name:	No	t mapped			NWI clas	sification:	Not mappe	ed	
Are climatic / hydrologic conditi									
Are Vegetation, Soil					'Normal Circumstance		. X N	lo.	
Are Vegetation, Soil					eeded, explain any an				
SUMMARY OF FINDING								s oto	
Г				ig point i	ocations, transe	cts, importai	iii ieature	3, 616.	
Hydrophytic Vegetation Prese Hydric Soil Present?	ent? Yes No Yes No		Is th	ne Sampled	l Area	,	\ <u>/</u>		
Wetland Hydrology Present?				nin a Wetlaı		No	<u> </u>		
Remarks:									
Hydrology is problem	natic because we are	e outsid	le of the	peak we	et season. whic	h was ~Jun	e 7 this v	/ear.	
, 9, p									
VEGETATION – Use sci	ientific names of plan	ts.							
Tree Stratum (Plot size:	* \	Absolute		Indicator	Dominance Test w	orksheet:			
1. Picea engelmannii	)	30	Species?	FAC	Number of Dominal That Are OBL, FAC	nt Species	1	(A)	
2. Abies lasiocarpa		20	<u>×</u>	FACU				. (~)	
3.					Total Number of Do Species Across All		5	(B)	
4.								. (-)	
	*	50	_ = Total Co	over	Percent of Dominar That Are OBL, FAC		20	(A/B)	
Sapling/Shrub Stratum (Plot	size:)	20	~	FACU	Prevalence Index	worksheet:		. , ,	
Vaccinium scoparium     Sambucus racemosa		4	X	FACU	Total % Cover	of: N	lultiply by:		
3. Rubus idaeus		3	-	FACU	OBL species	0 x 1 =	0		
4. Lonicera involucrata		2		FAC	FACW species			_	
5.					FAC species	50 x 3 =			
		29	= Total Co	over		161 x 4 =	225		
Herb Stratum (Plot size:	)		_	FAOU	UPL species	$\begin{array}{ccc}  & 45 & \times 5 = \\  & 263 & (\triangle) & \end{array}$	1033	— (D)	
Chamaenerion agustifolium     Bromus inermis		65 35	$-\frac{\times}{\times}$	FACU UPL	Column Totals:	(A)		(B)	
2. Fragaria virginiana		25		FACU		dex = B/A =	3.92	_	
4. Arnica latifolia		18	-	FAC	Hydrophytic Vege				
5. Lupinus argenteus		10		UPL	1 - Rapid Test		/egetation		
6. Taraxacum officinale		8		FACU	2 - Dominance 3 - Prevalence				
7. Erigeron coulteri		7		FACW	4 - Morphologic		(Provide sur	porting	
8. Daucus carota		6	-	FACU		arks or on a sep			
9. Achillea millefolium		5		FACU	5 - Wetland No				
10. Cirsium vulgare		5		FACU	Problematic Hy				
11					<sup>1</sup> Indicators of hydric be present, unless			must	
Woody Vine Stratum (Plot si	* )	184	_= Total Co	ver	be present, arness	alotarbed of prob	nomano.		
1					Usalranhisia				
2.					Hydrophytic Vegetation		$\vee$		
			= Total Co	ver	Present?	Yes	10 <u>/\</u>		
% Bare Ground in Herb Stratu	<sub>um10</sub>	-							
Remarks:	_								
*Sampled entire pla	nt community.								

SOIL									Samp	oling Point: _	В
Profile Desc	cription: (Describe	to the dept	h needed to docu	ment the in	dicator o	or confirm	the abse	ence of in	dicators.)	)	
Depth	Matrix		Rede	ox Features							
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textur	<u></u>		Remarks	
0-1	10YR 2/2	100	-				SiL		Sprud	ce needles/	′О.М.
1-14	7.5YR 5/3	100	-	-	-	-	SiL				
1		<del></del> -		<del></del> .							
	oncentration, D=De					d Sand Gr				e Lining, M=	
_	Indicators: (Appli	cable to all L			d.)		Indi			natic Hydric	Soils':
Histosol	` '	-	Sandy Redox				_	2 cm Mu		-L (TEO)	
	pipedon (A2) istic (A3)	-	Stripped Matrix Loamy Mucky		\ (avaant	MI DA 1)	—		ent Materia	ม (TF2) Surface (TF	12)
	en Sulfide (A4)	-	Loamy Gleyed	, ,		WILKA I)	_		xplain in R		12)
	d Below Dark Surfa	ce (A11)	Depleted Matri	, ,				Other (L.	Apiaiii iii iX	.emaiks)	
	ark Surface (A12)	_	Redox Dark Si				<sup>3</sup> Ind	licators of	hvdrophvt	tic vegetation	n and
	Mucky Mineral (S1)	_	Depleted Dark	` '	7)					nust be prese	
Sandy C	Gleyed Matrix (S4)	-	Redox Depres	sions (F8)						oroblematic.	
Restrictive	Layer (if present):										
Type:											_
Depth (in	ches):						Hydric	Soil Pres	sent? Y	es	No
Remarks:							1				
HYDROLO	OGY										
	drology Indicators	;;									
_	cators (minimum of		; check all that app	oly)			S	Secondary	Indicators	s (2 or more	required
	Water (A1)	•		ained Leave	s (B9) ( <b>e</b> )	xcept				eaves (B9) (	
	ater Table (A2)			1, 2, 4A, ar			_		and 4B)		
Saturati	, ,		Salt Crus		,				ige Patterr	ns (B10)	
	/larks (B1)			nvertebrates	(B13)		_			ter Table (C2	2)
	nt Deposits (B2)			Sulfide Ode			_			e on Aerial I	
	posits (B3)			Rhizosphere		Living Roo	ots (C3)	Geom	orphic Pos	sition (D2)	
Algal Ma	at or Crust (B4)			of Reduced			_		w Aquitaro		
Iron Dep	posits (B5)		Recent Ir	on Reductio	n in Tilled	d Soils (C6	5) _	FAC-N	leutral Tes	st (D5)	
Surface	Soil Cracks (B6)		Stunted o	r Stressed F	Plants (D	1) ( <b>LRR A</b> )	) _	Raised	d Ant Mour	nds (D6) ( <b>LF</b>	RRA)
Inundati	ion Visible on Aerial	Imagery (B7	Other (Ex	plain in Ren	narks)		_	Frost-l	Heave Hur	mmocks (D7	)
Sparsel	y Vegetated Concav	ve Surface (B	88)								
Field Obser	vations:										
Surface Wat	ter Present?	Yes N	lo X_ Depth (ir	nches):							
Water Table	Present?	Yes N	lo X Depth (ir	nches):							
Saturation P			lo X Depth (ir				and Hydro	ology Pre	sent? Y	'es	No _
(includes ca	pillary fringe)						•				
	ecorded Data (strear		_								
	046490 Strean	n Gauge a	at Blue River	recordec	l peak	flows a	round .	June 7,	2020, a	and July 2	20, 20
Remarks:								_			
Problem	atic hydrolog	y becaus	se the deline	ation wa	as per	formed	l durin	g the d	ry seas	son.	
	, 3	•			•		•	_	•		