Project/Site:	White	River E	nhance	ment at Circle P	Park	Coun	nty:	Rio Bl	lanco	Sampling Date:	0	ctober 29, 2	021
Applicant/Owner:				ERBM Parks an	nd Rec			State:	CO	Sampling Point:		DP01	
Investigator(s):	N	1. Dina		and	-		Section, Tov	wnship, Ra	ange:		1N 94W 26		
Landform (hillslope	, terrace, e	tc.):		Riverbar	nk		Local relief	(concave,	convex, none):	Concave	Slope (%):		0-3
Subregion (LRR):				E		Lat:	40.03	374	Long:	-107.91280	Datum:	NAD	083
Soil Map Unit Name	e:		Borol	lic Calciorthids-0	Guben cor	mplex, 6 to	50 percent s	slopes	N	WI classification:		PEM/PSS	
Are climatic / hydro	logic condi	tions on	the site	typical for this t	ime of yea	ar? `	Yes X	No	(If no,	explain in Remarks	.)		
Are Vegetation	No	,Soil	No	,or Hydrology	No	significantly	disturbed?		Are "Normal	Circumstances" pre	sent? Yes	s <u>X</u>	No
Are Vegetation	No	,Soil	No	,or Hydrology	No r	naturally pro	oblematic?		(If needed, e	xplain any answers	in Remarks.)		

#### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes	x	No	
Remarks: This point was determined to be v Fragmented PEM/PSS wetland co							

## **VEGETATION - Use scientific names of plants.**

	Absolute	Dominant	Indicator	Dominance Test work	sheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant S	pecies			
1. None Observed				That Are OBL, FACW,	or FAC:		2	(A)
2.								
3.				Total Number of Domir	nant			
4.				Species Across All Stra	ata:		2	(B)
· · · · · · · · · · · · · · · · · · ·	= To	tal Cover						_ (=)
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant S	necies			
1. <u>Salix exigua</u>		Yes	FACW	That Are OBL, FACW,		1	00%	(A/B)
2		100			011710.		0070	_ (///////
3.				Prevalence Index Wo	rksheet:			
4.				Total % Cove	er of:	Mul	tiply by:	
5.				OBL species	10	x 1 =	10	_
	70 = To	tal Cover		FACW species	160	x 2 =	320	_
Herb Stratum (Plot size: 5 ft. )				FAC species	0	x 3 =	0	_
1. Phalaris arundinacea	85	Yes	FACW	FACU species	0	x 4 =	0	-
2. Juncus balticus	5	No	FACW	UPL species	0	x 5 =	0	-
3. Spartina pectinata	10	No	OBL	Column Totals:	170	(A)	330	(B)
4.				Prevalence Index = B/A		_ ` ´		_ (=)
5					·			
6				Hydrophytic Vegetation	on Indicator	s:		
7.				1 - Rapid Test for	Hvdrophytic	Vegetation		
8				X 2 - Dominance Te		9		
9.				X 3 - Prevalence Inc				
10				4 - Morphological		(Provide s	upporting	
11				data in Remark				
····	100 = To	tal Cover		5 - Wetland Non-\			-,	
Woody Vine Stratum (Plot size: 30 ft.	)			Problematic Hydro			olain)	
1 None Observed	/			<sup>1</sup> Indicators of hydric so			,	
2.				be present, unless dist		, 0.	, maor	
۲	= Tc	tal Cover						
	= 10							
% Bare Ground in Herb Stratum 0				Hydrophytic Vegetation Present?	V	es X	No	
				vegetation Fresent?	Te	*5 <u> </u>		
Remarks:								

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).

A positive indication of hydrophytic vegetation was observed (Prevalence Index is  $\leq$  3.0).

## SOIL

	inplion. (Describe		i neeueu to uo	ounione ano ma		the absence	of indicators.)	
Depth	Matrix			Redox F	eatures			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-10	10YR 2/2	94	5YR 4/4	6	C/PL	М	Clay Loam	
. <u> </u>								
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion. RM=F	Reduced Matrix	CS=Covered o	r Coated Sand Gr	ains. <sup>2</sup> L	ocation: PL=Pore Lining	M=Matrix.
	s Indicators: (Applie						Indicators for Proble	
Histoso	I (A1)		San	dy Redox (S5)			2 cm Muck (A10	•
	pipedon (A2)			oped Matrix (S6)			Red Parent Mate	
	listic (A3)				al (F1) <b>(except M</b>	RA 1)		rk Surface (TF12)
	en Sulfide (A4)			my Gleyed Matri			Other (Explain in	
	d Below Dark Surfac	ο (Δ11)		eted Matrix (F3				Remarkey
		e (ATT)						
	ark Surface (A12)			lox Dark Surface			3	
	Mucky Mineral (S1)			leted Dark Surfa			<sup>3</sup> Indicators of hydroph	
Sandy (	Gleyed Matrix (S4)		Red	lox Depressions	(F8)		wetland hydrology	-
<b>B</b>							unless disturbed or	problematic.
Restrictive	Layer (if present):							
Type:		Cobble		_				
Depth(i	nches):	10		_		Hydri	c Soil Present?	Yes <u>X</u> No
Remarks:								
A positive in	dication of hydric soil	was observe	ed.					
IYDROLOG	θY							
Wetland Hyd	rology Indicators:							
Primary India	cators (minimum of o	ne required;	check all that a	apply)			Secondary Indicators	(2 or more required)
Surface	Water (A1)		Wat	ter-Stained Leav	res (B9) (except		Water-Stained L	eaves (B9) <b>(MLRA 1, 2,</b>
High W	ater Table (A2)		N	MLRA 1, 2, 4A, a	and 4B)		4A, and 4B)	
	ion (A3)			Crust (B11)	,		Drainage Patterr	s (B10)
	Marks (B1)			atic Invertebrate	es (B13)		Dry-Season Wat	
	ent Deposits (B2)			rogen Sulfide O			·	e on Aerial Imagery (C9)
X Drift De				0	res along Living R	oots (C3)	X Geomorphic Pos	
						0015 (03)		
	at or Crust (B4)			sence of Reduce	( )		Shallow Aquitarc	
	posits (B5)				on in Tilled Soils (		X FAC-Neutral Tes	
	Soil Cracks (B6)			nted or Stressed	Plants (D1) (LRR	A)		uds (D6) <b>(LRR A)</b>
Inundat	ion Visible on Aerial	Imagery (B7)	)Oth	er (Explain in Re	emarks)		Frost-Heave Hur	nmocks (D7)
Sparsel	y Vegetated Concave	e Surface (B	8)					
Field Obser	vations:							
Surface Wat	er Present? Yes	No	<b>x</b> 1	Depth (inches):	N/A			
		No		Depth (inches):	>20			
Water Table	11030111: 103			Depth (inches):	>20	Wotla	nd Hydrology Procont?	Vac X No
Water Table			, <u> </u>	Deptil (inches).	>20	wella	nd Hydrology Present?	Yes <u>X</u> No
Saturation P	resent? Yes	No						
Saturation P (includes cap	resent? Yes pillary fringe)				us increations) if	availabla		
Saturation P (includes cap	resent? Yes		oring well, aeria	al photos, previo	us inspections), if	available:		
Saturation P (includes cap	resent? Yes pillary fringe)		oring well, aeria	al photos, previo	us inspections), if	available:		
Saturation P (includes ca Describe Rec	resent? Yes pillary fringe)		oring well, aeria	al photos, previo	us inspections), if	available:		
Saturation P (includes cap	resent? Yes pillary fringe)		oring well, aeria	al photos, previo	us inspections), if	available:		
Saturation P (includes cap Describe Reco Remarks:	resent? Yes pillary fringe)	auge, monit				available:		
Saturation P (includes car Describe Reco Remarks: A positive in	resent? Yes pillary fringe) prded Data (stream g	auge, monit	s observed (at le	east one primary	v indicator).	available:		
Saturation P (includes car Describe Reco Remarks: A positive in A positive in	resent? Yes pillary fringe) prded Data (stream g dication of wetland hy	auge, monit ydrology was ydrology was	s observed (at le	east one primary	r indicator). ary indicators).	available:		
Saturation P (includes car Describe Reco Remarks: A positive in A positive in	resent? Yes pillary fringe) orded Data (stream g dication of wetland hy dication of wetland hy	auge, monit ydrology was ydrology was	s observed (at le	east one primary	r indicator). ary indicators).	available:		
Saturation P (includes car Describe Reco Remarks: A positive in A positive in	resent? Yes pillary fringe) orded Data (stream g dication of wetland hy dication of wetland hy	auge, monit ydrology was ydrology was	s observed (at le	east one primary	r indicator). ary indicators).	available:		
Saturation P (includes car Describe Reco Remarks: A positive in A positive in	resent? Yes pillary fringe) orded Data (stream g dication of wetland hy dication of wetland hy	auge, monit ydrology was ydrology was	s observed (at le	east one primary	r indicator). ary indicators).	available:		
Saturation P (includes car Describe Reco Remarks: A positive in A positive in	resent? Yes pillary fringe) orded Data (stream g dication of wetland hy dication of wetland hy	auge, monit ydrology was ydrology was	s observed (at le	east one primary	r indicator). ary indicators).	available:		
Saturation P (includes ca Describe Reco Remarks: A positive in A positive in Source of hy	resent? Yes pillary fringe) orded Data (stream g dication of wetland hy dication of wetland hy rdrology appears to b	auge, monit ydrology was ydrology was	s observed (at le	east one primary	r indicator). ary indicators).	available:		
Saturation P (includes ca Describe Reco Remarks: A positive in A positive in Source of hy	resent? Yes pillary fringe) orded Data (stream g dication of wetland hy dication of wetland hy rdrology appears to b	auge, monit ydrology was ydrology was	s observed (at le	east one primary	r indicator). ary indicators).	available:	Western Mour	tains, Valleys, and Coast - Version 2.0
Saturation P (includes car Describe Reco Remarks: A positive in A positive in	resent? Yes pillary fringe) orded Data (stream g dication of wetland hy dication of wetland hy rdrology appears to b	ydrology was ydrology was e capillary ad	s observed (at less observed (	east one primary east two second cent pond outlet/	v indicator). ary indicators). White River.		Western Mour	

Applicant/Owner:	ERBM Parks a	nd Rec	State:	со	Sampling Point:		DP02	
Investigator(s): M. Dina	and	-	Section, Township, Ra	ange:		1N 94W 26		
Landform (hillslope, terrace, etc.):	Riverba	ink	Local relief (concave,	convex, none):	Concave	Slope (%):	(	0-3
Subregion (LRR):	E	Lat:	40.03373	Long:	-107.91274	Datum:	NAD	83
Soil Map Unit Name:	Borollic Calciorthids-	Guben complex, 6 to	o 50 percent slopes	N	WI classification:		UPL	
Are climatic / hydrologic conditions on	the site typical for this	time of year?	Yes X No	(If no, e	explain in Remarks	.)		
Are Vegetation No ,Soil	No ,or Hydrology	No significant	ly disturbed?	Are "Normal (	Circumstances" pre	sent? Yes	<u> </u>	No
Are Vegetation No ,Soil	No ,or Hydrology	No naturally p	roblematic?	(If needed, ex	plain any answers	in Remarks.)		
SUMMARY OF FINDINGS -	Attach site mar	showing san	noling point loca	tions. trans	sects, import	ant feature	s. etc.	
	,		.p	,	,p		.,	
Hydrophytic Vegetation Present?	Yes	No <u>X</u>						
Hydric Soil Present?	Yes	No <u>X</u>	Is the Sampled A	Area				
Wetland Hydrology Present?	Yes	No <u>X</u>	within a Wetland	?	Yes	No	Х	
Remarks:								
This point was determined not to b	be within a wetland due	to the lack of all three	ee wetland criteria.					
Paired upland point for DP01.								

**VEGETATION - Use scientific names of plants.** 

	Absolute Domin	nant Indicator	Dominance Test works	sheet:		
Tree Stratum (Plot size: 30 ft. )	% cover Specie	es? Status	Number of Dominant Sp	ecies		
1. None Observed			That Are OBL, FACW, o	or FAC:	2	(A)
2						
3			Total Number of Domina	ant		
4			Species Across All Strat	a:	4	(B)
	= Total Cov	/er				
Sapling/Shrub Stratum (Plot size: 15 ft.	)		Percent of Dominant Sp	ecies		
1. <u>Salix exigua</u>	15 Yes	s FACW	That Are OBL, FACW, c	or FAC:	50%	(A/B
2						
3			Prevalence Index Work	(sheet:		
4			Total % Cover	of:	Multiply by:	
5			OBL species	<b>0</b> x 1 =	0	
	15 = Total Cov	/er	FACW species	<b>50</b> x 2 =	100	
lerb Stratum (Plot size: 5 ft. )			FAC species	<b>0</b> x 3 =	0	
1. Bromus inermis	35 Yes	s UPL	FACU species	<b>20</b> x 4 =	80	
2. Phalaris arundinacea	35 Yes	s FACW	UPL species	<b>35</b> x 5 =	175	
3. Pascopyrum smithii	20 Yes	s FACU	Column Totals:	<b>105</b> (A)	355	(B)
4			Prevalence Index = B/A	= 3.38	3	
5						
6.			Hydrophytic Vegetatio	n Indicators:		
7.			1 - Rapid Test for H	lydrophytic Vegeta	ation	
8			2 - Dominance Tes	t is >50%		
9.			3 - Prevalence Inde	ex is ≤3.0 <sup>1</sup>		
10			4 - Morphological A	daptations <sup>1</sup> (Provi	de supporting	3
11.			data in Remarks	or on a separate s	sheet)	
	90 = Total Cov	/er	5 - Wetland Non-Va	ascular Plants <sup>1</sup>		
Voody Vine Stratum (Plot size: 30 ft.	)		Problematic Hydrop	ohytic Vegetation <sup>1</sup>	(Explain)	
1. None Observed			<sup>1</sup> Indicators of hydric soil	and wetland hydro	ology must	
2.			be present, unless distu	rbed or problemati	с.	
	= Total Cov	/er				
			Hydrophytic			
6 Bare Ground in Herb Stratum 10			Vegetation Present?	Yes	No	х
emarks:						
lo positive indication of hydrophytic vegetation	•	ominant species indexed as	s FACU or drier).			
Bare ground is litter/unprotected soil and cobble	es.					

Western Mountains, Valleys, and Coast - Version 2.0

Sampling Point:

DP02

## SOIL

US Army Corps of Engineers

Profile Desc	ription: (Describe t	o the dep	th needed to docur	nent the ir	ndicator or confir	m the absence of	of indicators.)	
Depth	Matrix			Redox	Features			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	10YR 3/2	98	5YR 4/4	2	C	M	Clay Loam	

	luced Matrix, CS=Covered or Coated Sand Grains.	<sup>2</sup> Location: PL=Pore Linin	a M-Motrix		
ydric Soils Indicators: (Applicable to all LR		Indicators for Probl		ils <sup>3</sup> :	
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10	-		
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Mat			
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA		ark Surface (TF12)	)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in			
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)				
Thick Dark Surface (A12)	Redox Dark Surface (F6)				
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	<sup>3</sup> Indicators of hydrop	hytic vegetation ar	nd	
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	wetland hydrology	must be present,		
		unless disturbed o	r problematic.		
estrictive Layer (if present):					
Туре:					
Depth(inches):		Hydric Soil Present?	Yes	No	х
marks:					
lo positive indication of hydric soils was observe	ed.				

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; che	ck all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots (C3)	X Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)		
<u> </u>		
Field Observations:		
Surface Water Present? Yes No	X Depth (inches): N/A	
Water Table Present? Yes No	X Depth (inches): >20	
Saturation Present? Yes No	X Depth (inches): >20 Wetla	and Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspections), if available:	
Remarks:		
No positive indication of wetland hydrology was of	bserved.	
US Army Corps of Engineers		Western Mountains, Valleys, and Coast - Version 2.0

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

Project/Site:	White	River E	Inhance	ment at Circle P	ark	Count	y:	Rio Bl	anco	Sampling Date:	Oc	tober 29, 20	021
Applicant/Owner:				ERBM Parks an	id Rec			State:	CO	Sampling Point:		DP03	
Investigator(s):	Ν	1. Dina		and	-	5	Section, Tov	/nship, Ra	ange:		1N 94W 23		
Landform (hillslope,	, terrace, e	tc.):		Riverbar	nk	L	.ocal relief (	concave,	convex, none):	Concave	Slope (%):		0-3
Subregion (LRR):				E		Lat:	40.034	115	Long:	-107.91223	Datum:	NAD	083
Soil Map Unit Name	e:				Water				N\	WI classification:		PEM/PSS	
Are climatic / hydrol	logic condi	tions on	the site	e typical for this t	ime of year?	Y	es X	No	(If no, e	explain in Remarks	.)		
Are Vegetation	No	,Soil	No	or Hydrology,	No sigr	nificantly of	disturbed?		Are "Normal C	circumstances" pre	sent? Yes	Х	No
Are Vegetation	No	,Soil	No	,or Hydrology	No nati	urally prol	blematic?		(If needed, exp	plain any answers	in Remarks.)		

#### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

|--|

Remarks:

This point was determined to be within a wetland due to the presence of all 3 wetland criteria.

Fragmented PEM/PSS wetland along the banks of the White River. Additional determination points taken to confirm that all wetland indicators remained consistent throughout delineated area; upland vegetation and conditions do not change on the north and south sides of the River and no extraneous upland determination points were taken.

#### **VEGETATION - Use scientific names of plants.**

	Absolute	Dominant	Indicator	Dominance Test wor	ksheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant	Species			
1. None Observed				That Are OBL, FACW	, or FAC:		2	(A)
2.								_
3.				Total Number of Dom	inant			
4.				Species Across All Str	rata:		2	(B)
	=	Total Cover						
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant S	Species			
1. Salix exigua	15	Yes	FACW	That Are OBL, FACW	, or FAC:	1	00%	(A/B)
2.								
3.				Prevalence Index Wo	orksheet:			
4.				Total % Cov	ver of:	Mult	iply by:	
5.				OBL species	5	x 1 =	5	-
	15 =	Total Cover		FACW species	110	x 2 =	220	-
Herb Stratum (Plot size: 5 ft. )	·			FAC species	0	x 3 =	0	-
1. Phalaris arundinacea	80	Yes	FACW	FACU species	0	x 4 =	0	-
2. Spartina pectinata	5	No	OBL	UPL species	0	x 5 =	0	-
3. Juncus balticus	15	No	FACW	Column Totals:	115	(A)	225	(B)
4.				Prevalence Index = B/				_ ` /
5.					-			
6.				Hydrophytic Vegetat	ion Indicator	s:		
7.				1 - Rapid Test for	r Hydrophytic	Vegetation		
8.				X 2 - Dominance T		0		
9.				X 3 - Prevalence In	dex is ≤3.0 <sup>1</sup>			
10				4 - Morphological	Adaptations	<sup>I</sup> (Provide s	upporting	
11	·			data in Remar	ks or on a se	arate shee	t)	
	100 =	Total Cover		5 - Wetland Non-	Vascular Pla	nts <sup>1</sup>		
Woody Vine Stratum (Plot size: 30 ft.				Problematic Hydr	rophytic Vege	tation <sup>1</sup> (Exp	olain)	
1. None Observed	/			<sup>1</sup> Indicators of hydric so	1 2 0	· ·	'	
2.				be present, unless dis		, ,,		
		Total Cover						
	·			Hydrophytic				
% Bare Ground in Herb Stratum 0				Vegetation Present?	Y	es <u>X</u>	No	
······································								
Remarks:				1				
A positive indication of hydrophytic vegetation wa	as observed (>	50% of dominant	species indexed as	OBL, FACW, or FAC).				
A positive indication of hydrophytic vegetation wa	as observed (P	revalence Index is	s ≤ 3.0).					

SAEX are saplings; bare ground in herbaceous layer is litter/river cobbles.

US Army Corps of Engineers

SOIL

Western Mountains, Valleys, and Coast - Version 2.0
---

DP03

Sampling Point:

pth	Matrix			Redox	Features			
ches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-9	10YR 2/2	95	5YR 4/4	5	C/PL	Μ	Clay Loam	

Histosol (A1)		Sandy Redox (S5)	2 cm Muck (A10)	
Histic Epipedon (A2)		Stripped Matrix (S6)	Red Parent Mate	
Black Histic (A3)		Loamy Mucky Mineral (F1) (except MLR	A 1) Very Shallow Da	rk Surface (TF12)
Hydrogen Sulfide (A4)		Loamy Gleyed Matrix (F2)	Other (Explain in	Remarks)
Depleted Below Dark	Surface (A11)	Depleted Matrix (F3)		
Thick Dark Surface (A	.12)	X Redox Dark Surface (F6)		
Sandy Mucky Mineral	(S1)	Depleted Dark Surface (F7)	<sup>3</sup> Indicators of hydroph	ytic vegetation and
Sandy Gleyed Matrix (	S4)	Redox Depressions (F8)	wetland hydrology	must be present,
			unless disturbed or	problematic.
Restrictive Layer (if prese	ent):			
Туре:	Cobbles			
Depth(inches):	9		Hydric Soil Present?	Yes X No
Remarks:				
A positive indication of hydr	ric soil was observed.			

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check	all that apply)	Secondary Indicators (2 or more required)
X Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
X High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
X Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	X Saturation Visible on Aerial Imagery (C9)
X Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots (C3)	X Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	X FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes X No		
Water Table Present? Yes X No		
Saturation Present? Yes X No	Depth (inches): Wet	land Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspections), if available:	
Remarks:		
A positive indication of wetland hydrology was obse	ned (at least one primary indicator)	
A positive indication of wetland hydrology was obse		
Source of hydrology is White River.	יזיכט נמו ובמשו נאט שבטווטמוץ וווטוטמנטושן.	
Source of flydrology is writte River.		
US Army Corps of Engineers		Western Mountains, Valleys, and Coast - Version 2.0
S Anny Corps or Engineers		western wountains, valleys, and Coast - version 2.0

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

Project/Site:	White River E	inhancement at Circle	Park	County	: Rio B	anco	Sampling Date:	Oct	tober 29, 2021	
Applicant/Owner:		ERBM Parks a	and Rec		State:	СО	Sampling Point:		DP04	
Investigator(s):	M. Dina	and	-	Se	ection, Township, R	ange:		1N 94W 27		
Landform (hillslope, te	errace, etc.):	Riverb	ank	Lo	ocal relief (concave,	convex, none):	Concave	Slope (%):	0-3	
Subregion (LRR):		E		Lat:	40.03372	Long:	-107.91836	Datum:	NAD83	
Soil Map Unit Name:			Redrob Loa	m		N	WI classification:		PEM/PSS	
Are climatic / hydrolog	ic conditions on	the site typical for this	time of year?	Ye	es <u>X</u> No	(If no, e	explain in Remarks	.)		
Are Vegetation	No_,Soil	No ,or Hydrology	<u>No</u> sign	ificantly d	isturbed?	Are "Normal (	Circumstances" pre	sent? Yes	X No	
Are Vegetation	No ,Soil	No ,or Hydrology	<u>No</u> natu	rally prob	lematic?	(If needed, ex	plain any answers	in Remarks.)		

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?       Yes       X       No       Is the Sampled Area         Hydric Soil Present?       Yes       X       No       Is the Sampled Area         Wetland Hydrology Present?       Yes       X       No       within a Wetland?       Yes       X       No	•	· · · · · · · · · · · · · · · · · · ·		Yes X	No
---	---	---------------------------------------	--	-------	----

This point was determined to be within a wetland due to the presence of all 3 wetland criteria. PEM/PSS wetland assoacited with large drainage swale north of White River. Location has a readily apparent surface hydrology connection to White River.

#### **VEGETATION - Use scientific names of plants.**

			•						
			Absolute	Dominant	Indicator	Dominance Test			
	<u>ım</u> (Plot size: <u>3</u>	<u>0 ft.</u> )	% cover	Species?	Status	Number of Domin	•	_	
1. <u>None (</u>						That Are OBL, FA	CW, or FAC:	3	(A)
						<b>T</b> ( 1) ( 7)			
						Total Number of D		-	
4.						Species Across A	Il Strata:	3	(B)
				Total Cover					
Sapling/Shr		size <u>: 15</u>	· ·			Percent of Domina	•		
-	mygdaloides		15	Yes	FACW	That Are OBL, FA	CW, or FAC:	100%	(A/B)
2. <u>Salix e</u>	*		10	Yes	FACW	Prevalence Index	Warkshoot		
3.									
					·		Cover of:	Multiply by:	
5				Tatal Osuan	·	OBL species	0	x1=0	
Liszh Otratu		<i>L</i> \	=	Total Cover		FACW species	125	x 2 = <b>250</b>	
	<u>m</u> (Plot size: <u>5</u>	· · · · ·	100	Vaa		FAC species	0	x3=0	
				Yes	FACW	FACU species	0	x 4 =	
				<u> </u>		UPL species Column Totals:	<u>0</u> 125	$x_{5} = 0$	(D)
-						Prevalence Index		(A) <u>250</u> 2.00	(B)
						Frevalence index	= D/A =	2.00	
~						Hydrophytic Veg	etation Indicator	s:	
							st for Hydrophytic		
						X 2 - Dominand		vegetation	
0. 0				·		X 3 - Prevalence			
10								(Provide supportin	a
							marks or on a sep		9
····				Total Cover			Non-Vascular Plar		
Woody Vine	e Stratum (Plot siz	ze: 30					Hydrophytic Veget		
1. None (						<sup>1</sup> Indicators of hydr			
				·		be present, unless			
				Total Cover			· · ·		
						Hydrophytic			
% Bare Gr	ound in Herb Stratu	m 0				Vegetation Prese	ent? Ye	s <u>X</u> No	
			_						
emarks:									
A positive in	ndication of hydrophyti	ic vegetation	n was observed (>	50% of dominant	t species indexed a	s OBL, FACW, or FAC).			
A positive ir	ndication of hydrophyti	ic vegetation	n was observed (P	revalence Index	is ≤ 3.0).				
Army Corps	of Engineers					West	ern Mountains, Va	lleys, and Coast -	/ersion 2.0
IL							Sampling Poin	nt: DPC	4
Profile Des	cription: (Describe	to the dept	h needed to docu	ment the indica	tor or confirm the	absence of indicators.)			
Depth	Matrix			Redox Fea					
(inches)	Color (moist)	%	Color (moist)	%		Loc <sup>2</sup> Texture		Remarks	
0-16	10YR 2/2	90	5YR 4/6	5	C/PL	M Clay Loar			
	7.5YR 4/6	5				Clay Loar			
		<u> </u>							

<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced	Matrix, CS=Covered or Coated Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soils Indicators: (Applicable to all LRRs, u	Inless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	

X Redox Dark Surface (F6)

Depleted Dark Surface (F7)

Redox Depressions (F8)

Thick Dark Surface (A12)

Sandy Mucky Mineral (S1)

Sandy Gleyed Matrix (S4)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present,

	unless disturbed of	r problematic.
Restrictive Layer (if present):		
Туре:		
Depth(inches):	Hydric Soil Present?	Yes X No
Remarks:		
A positive indication of hydric soil was observed.		

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; che	ck all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
X Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	X Hydrogen Sulfide Odor (C1)	X Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots (C3)	X Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	X FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)		
	F	
Field Observations:		
Surface Water Present? Yes No	X Depth (inches): N/A	
Water Table Present? Yes No	X Depth (inches): >20	
Saturation Present? Yes X No	Depth (inches): 10 W	/etland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspections), if available:	
Remarks:		
A positive indication of wetland hydrology was obs		
A positive indication of wetland hydrology was obs		
Source of hydrology apears to be capillary action f	rom adjacent drainage swale.	

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

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

Project/Site:	White	River E	inhance	ment at Circle P	ark	Coun	ty:	Rio Bl	anco	Sampling Date:	0	ctober 29, 202	21
Applicant/Owner:				ERBM Parks an	id Rec			State:	CO	Sampling Point:		DP05	
Investigator(s):	N	1. Dina		and	-		Section, Tov	vnship, Ra	ange:		1N 94W 27		
Landform (hillslope,	terrace, e	tc.):		Riverbar	nk		Local relief (	concave,	convex, none):	Concave	Slope (%):	0	-3
Subregion (LRR):				E		Lat:	40.033	370	Long:	-107.91839	Datum:	NAD8	3
Soil Map Unit Name	e:				Redrob Lo	bam			N	WI classification:		UPL	
Are climatic / hydrol	ogic condi	tions on	the site	e typical for this t	ime of year?	? `	Yes X	No	(If no, e	xplain in Remarks	.)		
Are Vegetation	No	,Soil	No	,or Hydrology	No sig	nificantly	disturbed?		Are "Normal C	ircumstances" pre	sent? Yes	s <u>X</u> N	lo
Are Vegetation	Yes	,Soil	No	,or Hydrology	<b>No</b> na	turally pro	oblematic?		(If needed, exp	olain any answers i	in Remarks.)		

#### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

	Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes YesX	No X No X No	Is the Sampled Area within a Wetland?	Yes	NoX
--	---	--------------------	--------------------	---------------------------------------	-----	-----

Remarks:

This point was determined not to be within a wetland due to the lack of hydrophytic vegetation and hydric soils.

Paired upland point for DP04 and DP06. Site is located in an upland area that bisects two wetland polygons that is dominated by smooth brome. Vegetation community appears to have been previously disturbed by frequent foot traffic due to the prevalence of weedy, upland species in the general vicinity of delineated wetlands. Upland areas surrounding the wetlands associated with DP04 and DP06 contained consistent, problematic vegetation cover throughout this portion of the study area.

1. None C		)	% cover	Species?	Status	-	Number of Dominant S That Are OBL, FACW,	-	2	(A)	
3				Total Cover		- - -	Total Number of Domin Species Across All Stra		3	(B)	
Sapling/Shru	ub Stratum (Plot size	: 15 ft.					Percent of Dominant S	pecies			
1. Salix ar			2	Yes	FACW	-	That Are OBL, FACW,	•	67%	. (A/B)	
0							Prevalence Index Wo	rksheet:			
4						_	Total % Cove	er of:	Multiply	by:	
5						-	OBL species	0		0	
Horb Stratur	m (Plot size: 5 ft.	`	=	Total Cover			FACW species FAC species	<u>22</u> 0		1 <u>4</u> 0	
-	m (Plot size: <u>5 ft.</u> s arundinacea	)	20	Yes	FACW		FAC species	15		0 60	
	s inermis		65	Yes	UPL	-	UPL species	65		25	
-	yrum smithii		15	No	FACU		Column Totals:	102		<b>29</b> (B)	
4.	•					_	Prevalence Index = B//	<i>\</i> =	4.21		
5											
6						-	Hydrophytic Vegetati				
						-	1 - Rapid Test for		Vegetation		
•						-	2 - Dominance Te				
						-	3 - Prevalence Inc 4 - Morphological		(Drovido guno	orting	
						-	data in Remark			oning	
· · · ·			100 =	Total Cover		-	5 - Wetland Non-				
Woody Vine	Stratum (Plot size:	30 ft.	)				Problematic Hydro			ı)	
1. None C			^				<sup>1</sup> Indicators of hydric so				
2.							be present, unless dist	urbed or prob	lematic.		
			=	Total Cover							
% Bare Gro	ound in Herb Stratum	0					Hydrophytic Vegetation Present?	Ye	es N	lo <u>X</u>	
US Army Corps	<ul> <li>high percentage of smo</li> <li>of Engineers</li> </ul>						Western M	lountains, Va	lleys, and Coa	st - Version 2.0	)
SOIL							S	ampling Poin	ıt:	DP05	
Profile Des	cription: (Describe to t	he depth n	eeded to docu	ment the indi	cator or confirm t	he absen	ce of indicators.)				
Depth	Matrix			Redox Fe	eatures		_				
(inches)	Color (moist)	% (	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks		
0-16	10YR 2/2	97 7.	5YR 4/6	3	С	M	Clay Loam	·			
					<u> </u>						
	·						_				
			<u> </u>								
							_				
	·										
<sup>1</sup> Type: C=C	oncentration, D=Depletic		Juced Matrix, C	 	Coated Sand Grain	ns.	 2Location: PL=Pore Li	ning, M=Matri	ix.		
	oncentration, D=Depletions Indicators: (Applicab					ns.	2Location: PL=Pore Li				
	s Indicators: (Applicab		Rs, unless oth			ns.		oblematic Hy			
Hydric Soils Histoso	s Indicators: (Applicab		Rs, unless oth Sandy	erwise noted			Indicators for Pro	<b>oblematic Hy</b> A10)	/dric Soils <sup>3</sup> :		
Hydric Soils Histoso Histic E	s Indicators: (Applicab ol (A1)		Rs, unless oth Sandy Strippe	erwise noted Redox (S5) ed Matrix (S6)			Indicators for Pro 2 cm Muck (/	<b>oblematic Hy</b> \10) <i>I</i> aterial (TF2)	ydric Soils <sup>3</sup> :		
Hydric Soils Histoso Histic E Black H	s Indicators: (Applicab ol (A1) Epipedon (A2)		Rs, unless oth Sandy Strippe Loamy	erwise noted Redox (S5) ed Matrix (S6)	.) al (F1) <b>(except MLI</b>		Indicators for Pro 2 cm Muck (/ Red Parent M	oblematic Hy A10) Material (TF2) Dark Surface	ydric Soils <sup>3</sup> : e (TF12)		
Hydric Soils Histoso Histic E Black H Hydrog Deplete	s Indicators: (Applicab ol (A1) Epipedon (A2) Histic (A3) en Sulfide (A4) ed Below Dark Surface (/	le to all LR	Rs, unless oth Sandy Strippe Loamy Deplete	Redox (S5) ed Matrix (S6) Mucky Minera Gleyed Matrix ed Matrix (F3)	al (F1) <b>(except MLI</b> c (F2)		Indicators for Pro 2 cm Muck (/ Red Parent N Very Shallow	oblematic Hy A10) Material (TF2) Dark Surface	ydric Soils <sup>3</sup> : e (TF12)		
Hydric Soils Histoso Histic E Black H Hydrog Deplete Thick D	s Indicators: (Applicab ol (A1) Epipedon (A2) Histic (A3) en Sulfide (A4) ed Below Dark Surface (A Dark Surface (A12)	le to all LR	Rs, unless oth Sandy Strippe Loamy Deplete Redox	Redox (S5) ed Matrix (S6) v Mucky Minera v Gleyed Matrix ed Matrix (F3) Dark Surface	al (F1) <b>(except MLI</b> c (F2) (F6)		Indicators for Pro2 cm Muck (/ Red Parent M Very Shallow Other (Explain	oblematic Hy A10) /aterial (TF2) / Dark Surface n in Remarks	ydric Soils <sup>3</sup> : e (TF12) s)		
Hydric Soils Histoso Histic E Black H Hydrog Deplete Thick D Sandy	s Indicators: (Applicab ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Below Dark Surface (A Dark Surface (A12) Mucky Mineral (S1)	le to all LR	Rs, unless oth Sandy Strippe Loamy Deplet Redox Deplet	Redox (S5) ed Matrix (S6) v Mucky Minera v Gleyed Matrix ed Matrix (F3) Dark Surface ed Dark Surface	al (F1) <b>(except MLI</b> c (F2) (F6) ce (F7)		Indicators for Pro 2 cm Muck (/ Red Parent M Very Shallow Other (Explai	oblematic Hy A10) Material (TF2) Dark Surface n in Remarks ophytic veget	ydric Soils <sup>3</sup> : e (TF12) s) tation and		
Hydric Soils Histoso Histic E Black H Hydrog Deplete Thick D Sandy	s Indicators: (Applicab ol (A1) Epipedon (A2) Histic (A3) en Sulfide (A4) ed Below Dark Surface (A Dark Surface (A12)	le to all LR	Rs, unless oth Sandy Strippe Loamy Deplet Redox Deplet	Redox (S5) ed Matrix (S6) v Mucky Minera v Gleyed Matrix ed Matrix (F3) Dark Surface	al (F1) <b>(except MLI</b> c (F2) (F6) ce (F7)		Indicators for Pro 2 cm Muck (/ Red Parent M Very Shallow Other (Explain <sup>3</sup> Indicators of hydr wetland hydrolo	oblematic Hy A10) Material (TF2) Dark Surface n in Remarks ophytic veget ogy must be p	ydric Soils <sup>3</sup> : e (TF12) s) tation and present,		
Hydric Soils Histoso Histic E Black H Hydrog Deplete Thick D Sandy I Sandy I	s Indicators: (Applicab ol (A1) Epipedon (A2) Histic (A3) en Sulfide (A4) ed Below Dark Surface (A Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4)	le to all LR	Rs, unless oth Sandy Strippe Loamy Deplet Redox Deplet	Redox (S5) ed Matrix (S6) v Mucky Minera v Gleyed Matrix ed Matrix (F3) Dark Surface ed Dark Surface	al (F1) <b>(except MLI</b> c (F2) (F6) ce (F7)		Indicators for Pro 2 cm Muck (/ Red Parent M Very Shallow Other (Explai	oblematic Hy A10) Material (TF2) Dark Surface n in Remarks ophytic veget ogy must be p	ydric Soils <sup>3</sup> : e (TF12) s) tation and present,		
Hydric Soils Histoso Histic E Black H Hydrog Deplete Sandy I Sandy I Restrictive	s Indicators: (Applicab ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Below Dark Surface (A Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Layer (if present):	A11)	Rs, unless oth Sandy Strippe Loamy Loamy Complete Redox Redox Redox	Redox (S5) ed Matrix (S6) v Mucky Minera v Gleyed Matrix ed Matrix (F3) Dark Surface ed Dark Surface	al (F1) <b>(except MLI</b> c (F2) (F6) ce (F7)		Indicators for Pro 2 cm Muck (/ Red Parent M Very Shallow Other (Explain <sup>3</sup> Indicators of hydr wetland hydrolo	oblematic Hy A10) Material (TF2) Dark Surface n in Remarks ophytic veget ogy must be p	ydric Soils <sup>3</sup> : e (TF12) s) tation and present,		
Hydric Soils Histoso Histic E Black H Hydrog Deplete Sandy I Sandy I Restrictive Type:	s Indicators: (Applicab b) (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Below Dark Surface (A Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Layer (if present):	A11)	Rs, unless oth Sandy Strippe Loamy Deplet Redox Deplet	Redox (S5) ed Matrix (S6) v Mucky Minera v Gleyed Matrix ed Matrix (F3) Dark Surface ed Dark Surface	al (F1) <b>(except MLI</b> c (F2) (F6) ce (F7)	RA 1)	Indicators for Pro 2 cm Muck (/ Red Parent M Very Shallow Other (Explain <sup>3</sup> Indicators of hydr wetland hydrolo unless disturbe	oblematic Hy A10) /aterial (TF2) Dark Surface n in Remarks ophytic vegel ogy must be p d or problema	ydric Soils <sup>3</sup> : e (TF12) s) tation and present, atic.		
Hydric Soils Histoso Histic E Black H Hydrog Deplete Sandy I Sandy I Restrictive Type:	s Indicators: (Applicab ol (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Below Dark Surface (A Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Layer (if present):	A11)	Rs, unless oth Sandy Strippe Loamy Loamy Complete Redox Redox Redox	Redox (S5) ed Matrix (S6) v Mucky Minera v Gleyed Matrix ed Matrix (F3) Dark Surface ed Dark Surface	al (F1) <b>(except MLI</b> c (F2) (F6) ce (F7)	RA 1)	Indicators for Pro 2 cm Muck (/ Red Parent M Very Shallow Other (Explain <sup>3</sup> Indicators of hydr wetland hydrolo	oblematic Hy A10) /aterial (TF2) Dark Surface n in Remarks ophytic vegel ogy must be p d or problema	ydric Soils <sup>3</sup> : e (TF12) s) tation and present,	lo <u>X</u>	

No positive indication of hydric soils was observed.

Faint redox observed in soil profile; however percentage of redox features observed do not meet criteria required for loamy and clay soil indicators.

#### HYDROLOGY

Primary Indicators (minimum of one required; che	· · · · · · · · · · · · · · · · · · ·	Secondary Indicators (2 or more required)		
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,		
High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)		
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)		
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots (C3)	X Geomorphic Position (D2)		
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)		
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	X FAC-Neutral Test (D5)		
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)		
Inundation Visible on Aerial Imagery (B7)	Frost-Heave Hummocks (D7)			
Sparsely Vegetated Concave Surface (B8)				
ield Observations:				
urface Water Present? Yes No	X Depth (inches): N/A			
/ater Table Present? Yes No	X Depth (inches): >20			
Saturation Present? Yes No	X Depth (inches): >20 Wet	tland Hydrology Present? Yes X No		
ncludes capillary fringe)				
scribe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspections), if available:			
marks:				
positive indication of wetland hydrology was obs	served (at least two secondary indicators).			

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

Project/Site:	White I	River Enl	nancement a	t Circle Park	Cou	nty:	Rio B	lanco	Sampling Date:	Oc	tober 29, 2021	
Applicant/Owner:			ERBM	Parks and Rec			State:	СО	Sampling Point:		DP06	
Investigator(s):	M.	Dina	and	-		Section, Tov	vnship, R	ange:		1N 94W 27		
Landform (hillslope	, terrace, etc	:.):		Riverbank		Local relief (	concave,	convex, none):	Concave	Slope (%):	0-3	
Subregion (LRR):			Е		Lat:	40.033	372	Long:	-107.91846	Datum:	NAD83	
Soil Map Unit Name	e:			Red	ob Loam			N	WI classification:		PEM/PSS	
Are climatic / hydro	logic conditi	ons on th	e site typical	for this time of	year?	Yes X	No	(lf no, e	explain in Remarks	.)		
Are Vegetation	No	,Soil I	No ,or Hyd	drology No	significantl	y disturbed?		Are "Normal C	Circumstances" pre	sent? Yes	X No	
Are Vegetation	No	,Soil I	<b>No</b> ,or Hyd	drology No	naturally p	roblematic?		(If needed, ex	plain any answers	in Remarks.)		

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes <u>X</u>	No	
Remarks: This point was determined to be v PEM/PSS wetland adjacent to Wh		e to the presence of al	3 wetland criteria.			

## **VEGETATION - Use scientific names of plants.**

Г

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant Species		
1. None Observed				That Are OBL, FACW, or FAC:	3	(A)
2.						
3.				Total Number of Dominant		
4.				Species Across All Strata:	3	(B)
	=	Total Cover				
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant Species		
1. Salix exigua	20	Yes	FACW	That Are OBL, FACW, or FAC:	100%	(A/B

2. Salix amygdaloides	10	¥					
	10	Yes	FACW				
3				Prevalence Inde			
4				Total %	6 Cover of:	Mu	ltiply by:
5				OBL species	0	x 1 =	0
	30	= Total Cover		FACW species	130	x 2 =	260
lerb Stratum (Plot size: 5 ft.	)			FAC species	0	x 3 =	0
1. Phalaris arundinacea		Yes	FACW	FACU species	0	x 4 =	0
2.				UPL species	0	x 5 =	0
				Column Totals:	130	(A)	<b>260</b> (E
					-		200 (1
4	<u> </u>			Prevalence Index	k = B/A =	2.00	
5							
6	<u> </u>				getation Indicato		
7				1 - Rapid Te	est for Hydrophytic	· Vegetation	า
8				X 2 - Dominar	nce Test is >50%		
9				X 3 - Prevaler	ice Index is ≤3.0 <sup>1</sup>		
0.				4 - Morpholo	ogical Adaptations	<sup>1</sup> (Provide	supporting
1.					emarks or on a se		
		= Total Cover			Non-Vascular Pla		
							minin)
	30 ft. )				Hydrophytic Veg		
1. None Observed					Iric soil and wetla	, ,	y must
2				be present, unles	s disturbed or pro	blematic.	
		= Total Cover					
				Hydrophytic			
Bare Ground in Herb Stratum	0			Vegetation Pres	ont?	'es X	No
	0			vegetation i res			_ 10
my Corps of Engineers				Wes	tern Mountains, V	alleys, and	Coast - Versio
L					Sampling Po	int:	DP06
L							
Profile Description: (Describe to the	e depth needed to doc	ument the indicat	tor or confirm the	absence of indicators.)			
	•						
enth Matrix			uroc				
	% Color (moist)	Redox Feat		Loc <sup>2</sup> Toxtur	2	Pom	arka
nches) Color (moist)	% Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup> Texture		Rem	arks
nches) Color (moist)	Color (moist)           95         5YR 4/6			Loc2TextureMClay Loa		Rem	arks
nches) Color (moist)		%	Type <sup>1</sup>			Rem	arks
nches) Color (moist)		%	Type <sup>1</sup>			Rem	arks
nches) Color (moist)		%	Type <sup>1</sup>			Rem	arks
nches) Color (moist)		%	Type <sup>1</sup>			Rem	arks
ches) Color (moist)		%	Type <sup>1</sup>			Rem	arks
nches) Color (moist)		%	Type <sup>1</sup>			Rem	arks
nches) Color (moist)		%	Type <sup>1</sup>			Rem	arks
Color (moist)         Color (moist) <thcolor (moist)<="" th="">         Color (mo</thcolor>	5YR 4/6	<u>%</u>	Type1	M Clay Los			arks
Color (moist)         Color (moist)           0-16         10YR 2/2         5	95 5YR 4/6		Type1	M Clay Los Clay Los Clay Los Clay Los Clay Los Clay Los Clay Los Clay Los	am	trix.	
Color (moist)         Color (moist)           0-16         10YR 2/2         5	95 5YR 4/6		Type1	M Clay Los Clay Los Clay Los Clay Los Clay Los Clay Los Clay Los Clay Los		trix.	
Color (moist)         Color (moist)           0-16         10YR 2/2         5	25 5YR 4/6		Type1	M Clay Los Clay	am	trix.	
Color (moist)       0         0-16       10YR 2/2       9         0-16       10YR 2/2       9         0       0       0	25 5YR 4/6		Type1	M Clay Los Clay	ore Lining, M=Ma	trix. Iydric Soil:	
Color (moist)       0         0-16       10YR 2/2       9         0.16       10YR 2/2       9         0.17       10YR 2/2       9         0.17       10YR 2/2       9         0.17       10YR 2/2 </td <td>25 5YR 4/6</td> <td></td> <td>Type<sup>1</sup></td> <td>M Clay Los Clay Los Clay</td> <td>ore Lining, M=Ma for Problematic H</td> <td>trix. <b>Iydric Soil</b>: 2)</td> <td></td>	25 5YR 4/6		Type <sup>1</sup>	M Clay Los Clay	ore Lining, M=Ma for Problematic H	trix. <b>Iydric Soil</b> : 2)	
Color (moist)       0         0-16       10YR 2/2       9         10YR 2/2 </td <td>25 5YR 4/6</td> <td></td> <td>Type1        </td> <td>M Clay Los Clay Los Clay</td> <td>ore Lining, M=Ma ior Problematic H luck (A10) arent Material (TF hallow Dark Surfa</td> <td>trix. Hydric Soil: 2) ce (TF12)</td> <td></td>	25 5YR 4/6		Type1	M Clay Los Clay	ore Lining, M=Ma ior Problematic H luck (A10) arent Material (TF hallow Dark Surfa	trix. Hydric Soil: 2) ce (TF12)	
Color (moist)       0         0-16       10YR 2/2       9         10YR 2/2 </td <td>25 5YR 4/6</td> <td><u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) ly Redox (S5) ped Matrix (S6) ny Mucky Mineral (In ny Gleyed Matrix (F</td> <td>Type1        </td> <td>M Clay Los Clay Los Clay</td> <td>ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF:</td> <td>trix. Hydric Soil: 2) ce (TF12)</td> <td></td>	25 5YR 4/6	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) ly Redox (S5) ped Matrix (S6) ny Mucky Mineral (In ny Gleyed Matrix (F	Type1	M Clay Los Clay	ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF:	trix. Hydric Soil: 2) ce (TF12)	
Color (moist)       Color (moist)         0-16       10YR 2/2       9         10YR 2/2       9 <t< td=""><td>25 5YR 4/6 </td><td><u>S</u> <u>S</u> <u>CS=Covered or Cc</u> <u>CS=Covered or C</u></td><td>Type1        </td><td>M Clay Los Clay Los Clay</td><td>ore Lining, M=Ma ior Problematic H luck (A10) arent Material (TF hallow Dark Surfa</td><td>trix. Hydric Soil: 2) ce (TF12)</td><td></td></t<>	25 5YR 4/6 	<u>S</u> <u>S</u> <u>CS=Covered or Cc</u> <u>CS=Covered or C</u>	Type1	M Clay Los Clay	ore Lining, M=Ma ior Problematic H luck (A10) arent Material (TF hallow Dark Surfa	trix. Hydric Soil: 2) ce (TF12)	
Color (moist)       Color (moist)         0-16       10YR 2/2       9         10YR 2/2       9 <t< td=""><td>25 5YR 4/6 </td><td><u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) ly Redox (S5) ped Matrix (S6) ny Mucky Mineral (In ny Gleyed Matrix (F3) ix Dark Surface (F6)</td><td>Type<sup>1</sup> C   </td><td>M Clay Los Clay Los Clay</td><td>ore Lining, M=Ma ore Chining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar</td><td>trix. <b>Iydric Soil</b> 2) ce (TF12) ks)</td><td>s<sup>3</sup>:</td></t<>	25 5YR 4/6 	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) ly Redox (S5) ped Matrix (S6) ny Mucky Mineral (In ny Gleyed Matrix (F3) ix Dark Surface (F6)	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Chining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar	trix. <b>Iydric Soil</b> 2) ce (TF12) ks)	s <sup>3</sup> :
Color (moist)       Color (moist)         0-16       10YR 2/2       9         0-16       10YR 2/2       9         0.16       10YR 2/2       9         9       9       9         y       y       9         y       y       y         y       y       y         y       y       y         y       y       y         y       y       y         y       y       y         y       y       y         y       y       y         y       y       y         y       y       y         y       y       y         y       y       y <t< td=""><td>25 5YR 4/6 </td><td><u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (I ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0</td><td>Type<sup>1</sup> C   </td><td>M Clay Los Clay Los Clay</td><td>ore Lining, M=Ma ore Chining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar</td><td>trix. <b>Iydric Soil</b> 2) ce (TF12) ks) etation and</td><td>s<sup>3</sup>:</td></t<>	25 5YR 4/6 	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (I ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Chining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar	trix. <b>Iydric Soil</b> 2) ce (TF12) ks) etation and	s <sup>3</sup> :
Color (moist)       Color (moist)         0-16       10YR 2/2       9         10YR 2/2       9 <t< td=""><td>25 5YR 4/6 </td><td><u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) ly Redox (S5) ped Matrix (S6) ny Mucky Mineral (In ny Gleyed Matrix (F3) ix Dark Surface (F6)</td><td>Type<sup>1</sup> C   </td><td>M Clay Los Clay Los Clay</td><td>ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar</td><td>trix. <b>Hydric Soil</b> 2) ce (TF12) ks) etation and present,</td><td>s<sup>3</sup>:</td></t<>	25 5YR 4/6 	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) ly Redox (S5) ped Matrix (S6) ny Mucky Mineral (In ny Gleyed Matrix (F3) ix Dark Surface (F6)	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar	trix. <b>Hydric Soil</b> 2) ce (TF12) ks) etation and present,	s <sup>3</sup> :
Color (moist)       Color (moist)         0-16       10YR 2/2       9         10YR 2/2       9 <t< td=""><td>25 5YR 4/6 </td><td><u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (I ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0</td><td>Type<sup>1</sup> C   </td><td>M Clay Los Clay Los Clay</td><td>ore Lining, M=Ma ore Chining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar</td><td>trix. <b>Hydric Soil</b> 2) ce (TF12) ks) etation and present,</td><td>s<sup>3</sup>:</td></t<>	25 5YR 4/6 	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (I ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Chining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar	trix. <b>Hydric Soil</b> 2) ce (TF12) ks) etation and present,	s <sup>3</sup> :
Color (moist)       Color (moist)         0-16       10YR 2/2       9         10YR 2/2       9 <t< td=""><td>25 5YR 4/6 </td><td><u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (I ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0</td><td>Type<sup>1</sup> C   </td><td>M Clay Los Clay Los Clay</td><td>ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar</td><td>trix. <b>Hydric Soil</b> 2) ce (TF12) ks) etation and present,</td><td>s<sup>3</sup>:</td></t<>	25 5YR 4/6 	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (I ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar	trix. <b>Hydric Soil</b> 2) ce (TF12) ks) etation and present,	s <sup>3</sup> :
Color (moist)       Color (moist)         0-16       10YR 2/2       9         10YR 2/2       9 <t< td=""><td>25 5YR 4/6 </td><td><u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (I ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0</td><td>Type<sup>1</sup> C   </td><td>M Clay Los Clay Los Clay</td><td>ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar</td><td>trix. <b>Hydric Soil</b> 2) ce (TF12) ks) etation and present,</td><td>s<sup>3</sup>:</td></t<>	25 5YR 4/6 	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (I ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar	trix. <b>Hydric Soil</b> 2) ce (TF12) ks) etation and present,	s <sup>3</sup> :
Color (moist)       Color (moist)         0-16       10YR 2/2       9         9       9         Yate	25 5YR 4/6 	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil 2) ce (TF12) ks) etation and present,	s <sup>3</sup> :
icches)       Color (moist)       0         0-16       10YR 2/2       9         9       9         ype:       Call of the product	25 5YR 4/6 	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic.	s <sup>3</sup> :
inches)       Color (moist)       0         0-16       10YR 2/2       9         System       9         ''ype: C=Concentration, D=Depletion         yperic Soils Indicators: (Applicable         Histosol (A1)         Histosol (A1)         Histosol (A1)         Histosol (A1)         Histosol (A1)         Hydrogen Sulfide (A4)         Depleted Below Dark Surface (A12)         Sandy Mucky Mineral (S1)         Sandy Gleyed Matrix (S4)         estrictive Layer (if present):         Type:         Depth(inches):	25 5YR 4/6 	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic.	s <sup>3</sup> :
Color (moist)       0         0-16       10YR 2/2       9         Solution       10         10YR 2/2       9         10YR 2/2<	25 5YR 4/6	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic.	s <sup>3</sup> :
Color (moist)       0         0-16       10YR 2/2       9         Solution       10         10YR 2/2       9         10YR 2/2<	25 5YR 4/6	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic.	s <sup>3</sup> :
inches)       Color (moist)       0         0-16       10YR 2/2       9         System       9         ''ype: C=Concentration, D=Depletion         ydric Soils Indicators: (Applicable         Histosol (A1)         Histosol (A1)         Histosol (A1)         Histosol (A1)         Histosol (A1)         Hydrogen Sulfide (A4)         Depleted Below Dark Surface (A12)         Sandy Mucky Mineral (S1)         Sandy Gleyed Matrix (S4)         estrictive Layer (if present):         Type:         Depth(inches):	25 5YR 4/6	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic.	s <sup>3</sup> :
inches)       Color (moist)       0         0-16       10YR 2/2       0         10YR 2/2       0       0         10YPE:       0       0         10YPH (inches):       0       0         10YH	25 5YR 4/6	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic.	s <sup>3</sup> :
inches)       Color (moist)       0         0-16       10YR 2/2       9         System       9         ''ype: C=Concentration, D=Depletion         ydric Soils Indicators: (Applicable         Histosol (A1)         Histosol (A1)         Histosol (A1)         Histosol (A1)         Histosol (A1)         Hydrogen Sulfide (A4)         Depleted Below Dark Surface (A12)         Sandy Mucky Mineral (S1)         Sandy Gleyed Matrix (S4)         estrictive Layer (if present):         Type:         Depth(inches):	25 5YR 4/6	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic.	s <sup>3</sup> :
iches)       Color (moist)       0         0-16       10YR 2/2       9         0-16       10YR 2/2       9         0       10YR 2/2       9         9       9       10YR 2/2       9         ype:       C=Concentration, D=Depletion       9         ype:       C=Concentration, D=Depletion       10         ype:       C=Concentration, D=Depletion       10         ype:       C=Depletion (A2)       10         Black Histic (A3)       Hydrogen Sulfide (A4)       10         Depleted Below Dark Surface (A12)       10       10         Sandy Mucky Mineral (S1)       10       10         Sandy Gleyed Matrix (S4)       10       10         Sandy Gleyed (if present):       10       10         Type:	25 5YR 4/6	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic.	s <sup>3</sup> :
ches)       Color (moist)       0         0-16       10YR 2/2       9         9       10YR 2/2         9       9         ype:       2         Pace       9         Poletation       9         Poletation       9         Black Histic (A3)       9         Hydrogen Sulfide (A4)       10         Depleted Below Dark Surface (A12)       9         Sandy Mucky Mineral (S1)       9         Sandy Gleyed Matrix (S4)       9         estrictive Layer (if present):       10         Type:       10         Depth(inches):       10         marks:       10         positive indi	25 5YR 4/6	<u>%</u> <u>5</u> <u>CS=Covered or Cc</u> therwise noted.) by Redox (S5) bed Matrix (S6) ny Mucky Mineral (1 ny Gleyed Matrix (F3) bx Dark Surface (F0 eted Dark Surface (F0	Type <sup>1</sup> C   	M Clay Los Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic.	s <sup>3</sup> :
Color (moist)       0         0-16       10YR 2/2       9         0-16       10YR 2/2       9         9       10         10       10         Yope:       Poepleton         10       Palack Histic (A3)         10       Histic Epipedon (A2)         11       Sandy Mucky Mineral (S1)         12       Sandy Mucky Mineral (S1)         2       Sandy Gleyed Matrix (S4)         2       Depth(inches):         10       Depth(inches):         10       Depth(inches):         10       Parks:         10       Parks:         10       Parks:         10       Parks:<	25       5YR 4/6         26       5YR 4/6         27       5YR 4/6         28       1         29       1         20       1         20       1         20       1         20       1         20       1         20       1         21       1         22       1         23       1         24       1         25       1         25       1         25       1         25       1         24       1         25       1         25       1         26       1         27       1         28       1         29       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1 <td< td=""><td><u>%</u> <u>5</u> <u>6</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u></td><td>Type<sup>1</sup> C   </td><td>M Clay Loa Clay Loa Clay</td><td>ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler ? Y</td><td>trix. Hydric Soil 2) ce (TF12) ks) etation and present, natic. Yes X</td><td>s<sup>3</sup>:</td></td<>	<u>%</u> <u>5</u> <u>6</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u>	Type <sup>1</sup> C   	M Clay Loa Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF: hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler ? Y	trix. Hydric Soil 2) ce (TF12) ks) etation and present, natic. Yes X	s <sup>3</sup> :
Inches)       Color (moist)       Color (moist)         0-16       10YR 2/2       9         10Y       10         10Y       10         10Y <td< td=""><td>25 5YR 4/6 5YR 4/6 </td><td><u>%</u> <u>5</u> <u>6</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u></td><td>Type1        </td><td>M Clay Loa Clay Loa Clay</td><td>ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler</td><td>trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic. Zes X Dre required</td><td>s<sup>3</sup>:</td></td<>	25 5YR 4/6 5YR 4/6 	<u>%</u> <u>5</u> <u>6</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u>	Type1	M Clay Loa Clay	ore Lining, M=Ma ore Lining, M=Ma for Problematic H luck (A10) arent Material (TF) hallow Dark Surfa Explain in Remar of hydrophytic veg hydrology must be sturbed or probler	trix. Hydric Soil: 2) ce (TF12) ks) etation and present, natic. Zes X Dre required	s <sup>3</sup> :

High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	X Oxidized Rhizospheres along Living Roo	ts (C3) X Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6	i) X FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes No	X Depth (inches): N/A	
Water Table Present? Yes No	X Depth (inches): >20	
Saturation Present? Yes No	X Depth (inches): >20	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitorin	ig well, aerial photos, previous inspections), if av	ailable:
Remarks:		
A positive indication of wetland hydrology was ob	( , , ,	
A positive indication of wetland hydrology was ob		
Source of hydrology appears to be White River a	nd is likely supplemented by runoff from the north	h.
US Army Corps of Engineers		Western Mountains, Valleys, and Coast - Version 2.0

Project/Site:	Whit	e River E	inhance	ment at Circle F	Park	Cou	nty:		Rio Bla	anco	Sampling Date:	(	October 29	9, 2021	
Applicant/Owner:				ERBM Parks ar	nd Rec				State:	СО	Sampling Point:		DP0	7	
Investigator(s):	1	M. Dina		and	-		Sectio	n, Tov	vnship, Ra	ange:	_	1N 94W 27			
Landform (hillslope,	, terrace, e	etc.):		Riverba	nk		Local	relief (	concave,	convex, none):	Concave	Slope (%)	:	0-3	
Subregion (LRR):				E		Lat:		40.033	344	Long:	-107.91842	Datum:		NAD83	
Soil Map Unit Name	e:				Wa	ter				N	WI classification:		PEM/F	SS	
Are climatic / hydrol	logic conc	litions on	the site	e typical for this t	ime of ye	ar?	Yes	Х	No	(lf no, e	explain in Remarks	.)			
Are Vegetation	No	,Soil	No	,or Hydrology	No	significantl	y distu	bed?		Are "Normal C	Circumstances" pre	sent? Y	es X	No	
Are Vegetation	No	,Soil	No	,or Hydrology	No	naturally p	roblem	atic?		(If needed, exp	plain any answers	in Remarks.)			

#### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X No X No X No	Is the Sampled Area within a Wetland?	Yes	x	No	
Remarks: This point was determined to be v	vithin a wetla	and due to the pr	sence of all 3 wetland criteria.				

	Absolute	Dominant	Indicator	Dominance Test wor	ksheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant S	Species			
1. None Observed				That Are OBL, FACW	, or FAC:		2	(A)
2.								
3.				Total Number of Domi	nant			
4.				Species Across All Str	ata:		2	(B)
	=	Total Cover						
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant S	Species			
1. Salix exigua	20	Yes	FACW	That Are OBL, FACW	, or FAC:		100%	(A/B)
2.								
3.				Prevalence Index Wo	orksheet:			
4.				Total % Cov	er of:	Mu	ltiply by:	
5.				OBL species	0	x 1 =	0	
	20 =	Total Cover		FACW species	105	x 2 =	210	
Herb Stratum (Plot size: 5 ft. )				FAC species	15	x 3 =	45	
1. Phalaris arundinacea	85	Yes	FACW	FACU species	0	x 4 =	0	
2. Poa pratensis	15	No	FAC	UPL species	0	x 5 =	0	_

3.		Column Totals:	<b>120</b> (A) <b>255</b> (B)
4		Prevalence Index = B/A =	2.13
5.			
6.		Hydrophytic Vegetation	Indicators:
7.		1 - Rapid Test for Hy	drophytic Vegetation
8.		X 2 - Dominance Test	
9		X 3 - Prevalence Index	
			laptations <sup>1</sup> (Provide supporting
			or on a separate sheet)
11		5 - Wetland Non-Vas	
	100 = Total Cover		
Woody Vine Stratum (Plot size: 30 ft.	)		nytic Vegetation <sup>1</sup> (Explain)
1. None Observed			and wetland hydrology must
2		be present, unless disturb	bed or problematic.
	= Total Cover		
		Hydrophytic	
% Bare Ground in Herb Stratum 0		Vegetation Present?	Yes X No
Remarks:			
A positive indication of hydrophytic vegetation wa	as observed (Prevalence Index is ≤ 3.0).		
US Army Corps of Engineers		Western Mou	untains, Valleys, and Coast - Version 2.0
SOIL		San	npling Point: DP07
Profile Description: (Describe to the depth no	eeded to document the indicator or confirm th	e absence of indicators.)	
Depth Matrix	Redox Features	· · · · · · · · · · · · · · · · · · ·	
	4	Loc <sup>2</sup> Texture	Demortice
	Color (moist) % Type <sup>1</sup>		Remarks
<u>0-16 10YR 2/2 92 7.5</u>	5YR 4/6 8 C	M Loamy Sand	
			,
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Rec	luced Matrix, CS=Covered or Coated Sand Grain	is. <sup>2</sup> Location: PL=Pore Linir	g, M=Matrix.
Hydric Soils Indicators: (Applicable to all LR	Rs, unless otherwise noted.)		lematic Hydric Soils <sup>3</sup> :
Histosol (A1)	X Sandy Redox (S5)	2 cm Muck (A1	0)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Ma	terial (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLR		ark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain i	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)		· ····································
Thick Dark Surface (A12)	Redox Dark Surface (F6)		
		<sup>3</sup> Indicators of hydrop	butic vogotation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		mytic vegetation and / must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed	•
Restrictive Layer (if present):			
Type:			
Depth(inches):		Hydric Soil Present?	Yes <u>X</u> No
-			
Remarks:			
A positive indication of hydric soil was observed.			

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one require	d; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
X Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots (C3)	X Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	X FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)

			(5-3)		(= · · · 5							
Spareoly \		Aerial Image Concave Surf		Other	(Explain in Re	marks)			Frost-Heave Hum	mocks (D7)		
	egelaleu C	oncave Sun	ace (DO)									
Field Observat	tions:											
Surface Water	Present?	Yes	No	X De	epth (inches):	N/A						
Water Table Pr	resent?	Yes	No	X De	epth (inches):	>20						
Saturation Pres		Yes	No	X De	epth (inches):	>20		Wetland Hyd	rology Present?	Yes	<u>X</u> N	o
(includes capilla				<u> </u>	<u> </u>							
Describe Record	ed Data (st	ream gauge,	, monitoring	well, aerial p	photos, previou	us inspections	s), if availal	ble:				
Remarks:												
A positive indica	ation of wet	land hvdrolc	oov was obse	erved (at lea	st one primarv	indicator).						
A positive indica						,						
Source of hydro			5,			, ,						
···· , · ·												
Army Corps of E	Engineers								Western Mounta	ains, Valleys, a	and Coas	st - Version 2
	WETL/	AND DET	ERMINA	TION DA	<b>TA FORM</b>	- Westeri	n Moun	tains, Valle	eys, and Coas	t Region		
									Sampling Date:			, 2021
plicant/Owner:			ERBM Pa	arks and Re	с		State:	CO	Sampling Point:		DP08	6
		. Dina										
ndform (hillslope,	, terrace, et	c.):	R	iverbank		Local relief (	concave, o	convex, none):	Concave			
bregion (LRR):			F									
-					Lat:		348	Long:	-107.91843			NAD83
	e:			Fluvaquents	s, frequently flo	oded	348	Long:N	NI classification:			
e climatic / hydrol	e: logic conditi	ions on the s	l site typical fo	Fluvaquents or this time o	s, frequently floo of year?	oded Yes <u>X</u>	348 No	Long:N' (If no, e	WI classification: explain in Remarks.	)	UPL	
e climatic / hydrol e Vegetation	e: logic conditi <b>No</b>	ions on the s _,Soil <u>No</u>	l site typical fc or Hydro	Fluvaquents or this time o plogy <b>No</b>	s, frequently floo of year? significantl	oded Yes X ly disturbed?	348 No	Long:N' (If no, e Are "Normal C	WI classification: explain in Remarks. Circumstances" pre-	) sent? Yes	UPL	
e climatic / hydrol e Vegetation	e: logic conditi <b>No</b>	ions on the s _,Soil <u>No</u>	l site typical fc or Hydro	Fluvaquents or this time o plogy <b>No</b>	s, frequently floo of year?	oded Yes X ly disturbed?	348 No	Long:N' (If no, e Are "Normal C	WI classification: explain in Remarks.	) sent? Yes	UPL	
e climatic / hydrol e Vegetation e Vegetation	e: logic conditi No No	ions on the s ,Soil <u>No</u> ,Soil <u>No</u>	ite typical fo ,or Hydro ,or Hydro	Fluvaquents or this time o blogy <u>No</u> blogy <u>No</u>	s, frequently floo of year? osignificantl onaturally p	oded Yes X ly disturbed? roblematic?	348 No	Long: N' (If no, e Are "Normal C (If needed, ex	WI classification: explain in Remarks. Circumstances" pre-	) sent? Yes n Remarks.)	UPL <b>X</b>	No
e Vegetation	e: logic conditi No No	ions on the s ,Soil <u>No</u> ,Soil <u>No</u>	ite typical fo ,or Hydro ,or Hydro	Fluvaquents or this time o blogy <u>No</u> blogy <u>No</u>	s, frequently floo of year? osignificantl onaturally p	oded Yes X ly disturbed? roblematic?	348 No	Long: N' (If no, e Are "Normal C (If needed, ex	WI classification: explain in Remarks. Circumstances" pre- plain any answers i	) sent? Yes n Remarks.)	UPL <b>X</b>	No
e climatic / hydrol e Vegetation e Vegetation UMMARY OI	e: logic conditi No No F FINDIN	ions on the s ,Soil <u>No</u> ,Soil <u>No</u> NGS - Att	site typical fc ,or Hydro ,or Hydro ,or Hydro	Fluvaquents or this time o ology <u>No</u> ology <u>No</u> map sho	s, frequently floo of year? significantl naturally p owing sam	oded Yes X ly disturbed? roblematic?	348 No	Long: N' (If no, e Are "Normal C (If needed, ex	WI classification: explain in Remarks. Circumstances" pre- plain any answers i	) sent? Yes n Remarks.)	UPL <b>X</b>	No
e climatic / hydrol e Vegetation e Vegetation UMMARY OI Hydrophytic Vege	e: No No F FINDIN	ions on the s ,Soil <u>No</u> ,Soil <u>No</u> NGS - Att	ite typical fc ,or Hydrc ,or Hydrc t <b>ach site</b> es <u>X</u>	Fluvaquents or this time o blogy <u>No</u> blogy <u>No</u> <b>map sho</b> No	s, frequently floo of year? significantl naturally p owing sam	oded Yes X ly disturbed? roblematic?	No	Long:N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Circumstances" pre- plain any answers i	) sent? Yes n Remarks.)	UPL <b>X</b>	No
e climatic / hydrol e Vegetation JMMARY OI Hydrophytic Vege Hydric Soil Prese	e: logic conditi No F FINDIN etation Pres	ions on the s ,Soil <u>No</u> ,Soil <u>No</u> NGS - Att sent?Ye	ite typical fc ,or Hydrc ,or Hydrc t <b>ach site</b> es es	Fluvaquents or this time o blogy <u>No</u> map sho No	s, frequently floo of year? 	oded Yes <u>X</u> ly disturbed? roblematic? npling poi	No	Long: N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa	) sent? Yes n Remarks.) ant feature	UPL X es, etc.	No
e climatic / hydrol e Vegetation e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese	e: logic conditi No F FINDIN etation Pres	ions on the s ,Soil <u>No</u> ,Soil <u>No</u> NGS - Att sent?Ye	ite typical fc ,or Hydrc ,or Hydrc t <b>ach site</b> es <u>X</u>	Fluvaquents or this time o blogy <u>No</u> map sho No	s, frequently floo of year? significantl naturally p owing sam	oded Yes <u>X</u> ly disturbed? roblematic? npling poi	No	Long: N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Circumstances" pre- plain any answers i	) sent? Yes n Remarks.) ant feature	UPL <b>X</b>	No
e climatic / hydrol e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo	e: logic conditi No F FINDIN etation Pres	ions on the s ,Soil <u>No</u> ,Soil <u>No</u> NGS - Att sent?Ye	ite typical fc ,or Hydrc ,or Hydrc t <b>ach site</b> es es	Fluvaquents or this time o blogy <u>No</u> map sho No	s, frequently floo of year? 	oded Yes <u>X</u> ly disturbed? roblematic? npling poi	No	Long: N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa	) sent? Yes n Remarks.) ant feature	UPL X es, etc.	No
e climatic / hydrol e Vegetation e Vegetation	e: No No F FINDIN etation Pres ent? gy Present?	ions on the s ,Soil <u>No</u> ,Soil <u>No</u> NGS - Att sent? Ye Ye	site typical fc ,or Hydro ,or Hydro tach site es es es	Fluvaquents or this time o plogy <u>No</u> map sho No No	s, frequently floo of year? significantl anaturally p owing sam x	oded Yes <u>X</u> ly disturbed? npling poi Is the S within a	No	Long: N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa	) sent? Yes n Remarks.) ant feature	UPL X es, etc.	No
e climatic / hydrol e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks:	e: No No F FINDIN etation Pres ent? gy Present? determined	ions on the s ,Soil <u>No</u> ,Soil <u>No</u> NGS - Att sent? Ye Ye ? Ye not to be with	site typical fc ,or Hydro ,or Hydro tach site es es es	Fluvaquents or this time o plogy <u>No</u> map sho No No	s, frequently floo of year? significantl anaturally p owing sam x	oded Yes <u>X</u> ly disturbed? npling poi Is the S within a	No	Long: N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa	) sent? Yes n Remarks.) ant feature	UPL X es, etc.	No
e climatic / hydrol e Vegetation JMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was o	e: No No F FINDIN etation Pres ent? gy Present? determined	ions on the s ,Soil <u>No</u> ,Soil <u>No</u> NGS - Att sent? Ye Ye ? Ye not to be with	site typical fc ,or Hydro ,or Hydro tach site es es es	Fluvaquents or this time o plogy <u>No</u> map sho No No	s, frequently floo of year? significantl anaturally p owing sam x	oded Yes <u>X</u> ly disturbed? npling poi Is the S within a	No	Long: N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa	) sent? Yes n Remarks.) ant feature	UPL X es, etc.	No
e climatic / hydrol e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was o	e: No No F FINDIN etation Pres ent? gy Present? determined	ions on the s ,Soil <u>No</u> ,Soil <u>No</u> NGS - Att sent? Ye Ye ? Ye not to be with	site typical fc ,or Hydro ,or Hydro t <b>ach site</b> es es es	Fluvaquents or this time o plogy <u>No</u> map sho No No	s, frequently floo of year? significantl anaturally p owing sam x	oded Yes <u>X</u> ly disturbed? npling poi Is the S within a	No	Long: N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa	) sent? Yes n Remarks.) ant feature	UPL X es, etc.	No
e climatic / hydrol e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was o Paired upland p	e: No No F FINDIN etation Present? ogy Present? determined point for DP	ions on the s ,Soil No ,Soil No NGS - Att sent? Ye ? Ye I not to be wit 07.	site typical fc ,or Hydro ,or Hydro ta <b>ch site</b> es <u>X</u> es <u>X</u> thin a wetlar	Fluvaquents or this time o blogy <u>No</u> map sho No _ No _ No _ No _	s, frequently floo of year? 	oded Yes <u>X</u> ly disturbed? npling poi Is the S within a	No	Long: N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa	) sent? Yes n Remarks.) ant feature	UPL X es, etc.	No
e climatic / hydrol e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was o Paired upland p	e: No No F FINDIN etation Present? ogy Present? determined point for DP	ions on the s ,Soil No ,Soil No NGS - Att sent? Ye ? Ye I not to be wit 07.	site typical fc ,or Hydro ,or Hydro ta <b>ch site</b> es <u>X</u> es <u>X</u> thin a wetlar	Fluvaquents or this time o blogy <u>No</u> map sho No _ No _ No _ No _	s, frequently floo of year? 	oded Yes <u>X</u> ly disturbed? npling poi Is the S within a	No	Long: N (If no, e Are "Normal ( (If needed, ex tions, trans	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa	) sent? Yes n Remarks.) ant feature	UPL X es, etc.	No
e climatic / hydrol e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was o	e: No No F FINDIN etation Present? ogy Present? determined point for DP	ions on the s ,Soil No ,Soil No NGS - Att sent? Ye ? Ye I not to be wit 07.	site typical fc ,or Hydro ,or Hydro ta <b>ch site</b> es <u>X</u> es <u>X</u> thin a wetlar	Fluvaquents or this time o blogy <u>No</u> map sho <u>No _</u> No _ No _ nd due to the pf plants.	s, frequently floo of year? 	oded Yes <u>X</u> ly disturbed? roblematic? <b>npling poi</b> Is the S within a	No int locat	_ Long: N' (If no, e Are "Normal C (If needed, ex tions, trans rea ?	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa	) sent? Yes n Remarks.) ant feature	UPL X es, etc.	No
e climatic / hydrol e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was o Paired upland p	e: No No F FINDIN etation Present? ogy Present? determined booint for DP	ions on the s ,Soil No ,Soil No NGS - Att sent? Ye ? Ye I not to be wit 07.	site typical fc ,or Hydro ,or Hydro tach site es es thin a wetlar	Fluvaquents or this time o ology <u>No</u> map sho <u>No</u> No No due to the of plants.	x Dominant	oded Yes X ly disturbed? roblematic? npling poi Is the S within a	No	Long: N' (If no, e Are "Normal C (If needed, ex tions, trans rea ? Dominar	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa Yes	) sent? Yes ant feature No	UPL X es, etc.	No
e climatic / hydrol e Vegetation DIMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was o Paired upland p EGETATION	e: logic conditi No F FINDIN etation Present? ogy Present? determined booint for DP I - Use s (Plot size:	ions on the s ,Soil No ,Soil No NGS - Att sent? Ye ? Ye I not to be wit 07.	site typical fc ,or Hydro ,or Hydro tach site es es thin a wetlar	Fluvaquents or this time o blogy <u>No</u> map sho <u>No _</u> No _ No _ nd due to the pf plants.	s, frequently floo of year? 	oded Yes <u>X</u> ly disturbed? roblematic? <b>npling poi</b> Is the S within a	No	Long:N (If no, e Are "Normal C (If needed, ex tions, trans rea ? Dominar Number	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa Yes rce Test workshee	) sent? Yes n Remarks.) ant feature No t: st:	UPL X 	No
e climatic / hydrol e Vegetation e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was o Paired upland p EGETATION <u>Tree Stratum</u> 1. <u>None Obs</u>	e: No F FINDIN etation Present? ogy Present? determined point for DP I - Use s (Plot size: erved	ions on the s ,Soil No ,Soil No NGS - Att sent? Ye ? Ye I not to be wit 07. cientific 	thin a wetlar	Fluvaquents or this time o ology <u>No</u> map sho <u>No</u> No No due to the of plants.	x Dominant	oded Yes X ly disturbed? roblematic? npling poi Is the S within a	No	Long:N (If no, e Are "Normal C (If needed, ex tions, trans rea ? Dominar Number	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa Yes	) sent? Yes n Remarks.) ant feature No t: st:	UPL X es, etc.	No
e climatic / hydrol e Vegetation e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was of Paired upland p EGETATION <u>Tree Stratum</u> 1. <u>None Obs</u> 2.	e: No F FINDIN etation Present? ogy Present? determined point for DP I - Use s (Plot size: erved	ions on the s ,Soil No ,Soil No NGS - Att sent? Ye ? Ye not to be wi 07. cientific 	thin a wetlar	Fluvaquents or this time o ology <u>No</u> map sho <u>No</u> No No due to the of plants.	x Dominant	oded Yes X ly disturbed? roblematic? npling poi Is the S within a	No	Long: N' (If no, e Are "Normal C (If needed, ex tions, trans rea ? Dominar Number That Are	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa Yes ree Test workshee of Dominant Specie OBL, FACW, or FA	) sent? Yes n Remarks.) ant feature No t: st:	UPL X 	No
e climatic / hydrol e Vegetation UMMARY OI Hydrophytic Vege Hydric Soil Prese Wetland Hydrolo Remarks: This point was of Paired upland p EGETATION <u>Tree Stratum</u> 1. <u>None Obs</u> 2. 3.	e: No F FINDIN etation Present? ogy Present? determined point for DP I - Use s (Plot size: erved	ions on the s ,Soil No ,Soil No NGS - Att sent? Ye ? Ye I not to be wit 07. cientific 	thin a wetlar	Fluvaquents or this time o ology <u>No</u> map sho <u>No</u> No No due to the of plants.	x Dominant	oded Yes X ly disturbed? roblematic? npling poi Is the S within a	No	Long: N' (If no, e Are "Normal C (If needed, ex tions, trans rea ? Dominar Number That Are Total Nu	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa Yes	) sent? Yes n Remarks.) ant feature No t: st:	UPL X 	No 
e climatic / hydrol e Vegetation yegetation UMMARY OI Hydrophytic Veget Hydric Soil Preset Wetland Hydrolo Remarks: This point was of Paired upland p EGETATION <u>Tree Stratum</u> 1. <u>None Obs</u> 2.	e: No F FINDIN etation Present? ogy Present? determined point for DP I - Use s (Plot size: erved	ions on the s ,Soil No ,Soil No NGS - Att sent? Ye ? Ye not to be wi 07. cientific 	thin a wetlar	Fluvaquents or this time o blogy <u>No</u> map sho <u>No</u> No No d due to the of plants.	x Dominant	oded Yes X ly disturbed? roblematic? npling poi Is the S within a	No	Long: N' (If no, e Are "Normal C (If needed, ex tions, trans rea ? Dominar Number That Are Total Nu	WI classification: explain in Remarks. Dircumstances" pre- plain any answers i sects, importa Yes ree Test workshee of Dominant Specie OBL, FACW, or FA	) sent? Yes n Remarks.) ant feature No t: st:	UPL X 	No

	Absolute	Dominant	Indicator	Dominance Test work	(sheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant S	pecies			
1. None Observed				That Are OBL, FACW,	or FAC:		2	(A)
2.								
3.				Total Number of Domin	nant			
4.				Species Across All Stra	ata:		3	(B)
	=	Total Cover						_ ( )
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant S	pecies			
1. Salix exigua	5	Yes	FACW	That Are OBL, FACW,	or FAC:		67%	(A/B)
2								
3				Prevalence Index Wo	rksheet:			
4.				Total % Cove	er of:	Mu	ltiply by:	
5.				OBL species	0	x 1 =	0	
	5 =	Total Cover		FACW species	25	x 2 =	50	
Herb Stratum (Plot size: 5 ft. )				FAC species	0	x 3 =	0	
1. Pascopyrum smithii	15	No	FACU	FACU species	15	x 4 =	60	
2. Phalaris arundinacea	20	Yes	FACW	UPL species	65	x 5 =	325	
3. Bromus inermis	65	Yes	UPL	Column Totals:	105	(A)	435	(B)
4.				Prevalence Index = B/A	۹ =	4.14		
5								
6				Hydrophytic Vegetation	on Indicator	s:		
7				1 - Rapid Test for	Hydrophytic	Vegetation	r	
8				X 2 - Dominance Te	st is >50%			
9.				3 - Prevalence Inc	lex is ≤3.0 <sup>1</sup>			
10.				4 - Morphological	Adaptations	<sup>1</sup> (Provide	supporting	

1. <u>None O</u> 2 % Bare Gro Remarks:	und in Herb Stratu	m0	) =	Total Cove	<u> </u>	E b	data in Remarks or or 5 - Wetland Non-Vascul Problematic Hydrophytic Indicators of hydric soil and e present, unless disturbed Hydrophytic /egetation Present?	ar Plants <sup>1</sup> : Vegetation <sup>1</sup> (Explain) wetland hydrology must	
S Army Corps o	f Engineers						Western Mounta	ins, Valleys, and Coast - Ve	ersion 2.0
OIL							Samplir	ng Point: DP08	1
	•	o the depth	needed to docur			the absence	of indicators.)		
-		0/	Calar (maint)			Loc <sup>2</sup>	Tautura	Demortes	
<u> </u>			Color (moist)	<u>%</u>	Туре	LOC	Texture Sandy Loam	Remarks	
0-10							Sandy Loam		
	101110/2								
			<u> </u>				<u> </u>		
							<u> </u>		
17.7.0			- due a d Matrix	<u> </u>		2		A . N +	
						ains.	Location: PL=Pore Lining, N Indicators for Problem		
							2 cm Muck (A10)	alle nyune sons .	
							Red Parent Materia	l (TF2)	
						ILRA 1)	Very Shallow Dark		
			Loamy	Gleyed Ma	trix (F2)		Other (Explain in R		
Deplete	d Below Dark Surfac	e (A11)	Deplete	ed Matrix (F	3)				
Thick D	ark Surface (A12)								
							<sup>3</sup> Indicators of hydrophyti		
Sandy G	Bleyed Matrix (S4)		Redox	Depressior	ns (F8)		wetland hydrology mu unless disturbed or pi		
Restrictive I	aver (if present):						uniess disturbed of pi		
	ayer (il present).								
	ches):		<u>.</u>			Hvdr	ic Soil Present?	Yes No	х
-1 - 1									
Remarks:									
No positive ir	ndication of hydric so	ils was obser	ved.						
YDROLOG	iΥ								
Wetland Hydr	ology Indicators:								
Woody Vine Stratum       (Plot size:				Secondary Indicators (2	or more required)				
Surface	Water (A1)		Water-	Stained Lea	aves (B9) <b>(except</b>		Water-Stained Lear	ves (B9) (MLRA 1, 2,	
High Wa	ater Table (A2)		MLF	RA 1, 2, 4A	, and 4B)		4A, and 4B)		
	( )						Drainage Patterns		
	. ,						Dry-Season Water		
						De ette (OC)		on Aerial Imagery (C9)	
	. ,					KOOTS (C3)	X Geomorphic Position		
						(CC)	Shallow Aquitard (E		
·	Soil Cracks (B6)				ed Plants (D1) (LRF	. ,	X FAC-Neutral Test ( Raised Ant Mounds	,	
	on Visible on Aerial I	magery (B7)		Explain in F			Frost-Heave Humm		
	Vegetated Concave		、		-,			- X /	

Field Observations:										
Surface Water Present?	Yes	No	х	Depth (inches):	N/A					
Water Table Present?	Yes	No	Х	Depth (inches):	>20					
Saturation Present?	Yes	No	Х	Depth (inches):	>20	Wetland Hydrology Present?	Yes	Х	No	
(includes capillary fringe)	-			-						

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
A positive indication of wetland hydrology was observed (at least two secondary indicators).	
US Army Corps of Engineers	Western Mountains, Valleys, and Coast - Version 2.0

Project/Site:	White F	River E	nhance	ement at Circle P	ark	Cou	inty:		Rio B	lanco	Sampling Date:		Octob	oer 29, 2021
Applicant/Owner:				ERBM Parks an	d Rec				State:	CO	Sampling Point:			DP09
Investigator(s):	М.	Dina		and	-		Sect	ion, Tov	vnship, R	ange:		1N 94W 2	23	
Landform (hillslope, te	errace, etc	:.):		Island			Loca	l relief (	concave,	, convex, none):	Convex	Slope (	%):	0-1
Subregion (LRR):				E		Lat:		40.03	489	Long:	-107.90866	Datum:		NAD83
Soil Map Unit Name:					Wa	ater				N	WI classification:		PI	EM/PSS
Are climatic / hydrolog	gic condition	ons on	the site	e typical for this ti	ime of ye	ear?	Yes	Х	No	(lf no, e	explain in Remarks	.)		
Are Vegetation	No	,Soil	No	,or Hydrology	No	significant	ly dist	urbed?		Are "Normal C	Circumstances" pre	esent?	Yes	X No
Are Vegetation	No	,Soil	No	,or Hydrology	No	naturally p	roblen	natic?		(If needed, ex	plain any answers	in Remark	s.)	

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes _ Yes _ Yes _		No No No	Is the Sampled Area within a Wetland?	Yes	x	No	
Remarks: This point was determined to be v	vithin a w	etland due	to the presence of all 3	3 wetland criteria.				

	Absolute	Dominant	Indicator	Dominance Test work	sheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant S	pecies			
1. None Observed				That Are OBL, FACW,	or FAC:		3	(A)
2.								
3.				Total Number of Domin	ant			
4.				Species Across All Stra	ta:		3	(B)
	=	Total Cover						
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant Sp	pecies			
1. Salix exigua	10	Yes	FACW	That Are OBL, FACW,	or FAC:		100%	(A/B)
2. Salix amygdaloides	20	Yes	FACW					
3.				Prevalence Index Wor	ksheet:			
4.				Total % Cove	r of:	Mu	ltiply by:	
5.				OBL species	0	x 1 =	0	_
	30 =	Total Cover		FACW species	130	x 2 =	260	_
Herb Stratum (Plot size: 5 ft. )				FAC species	0	x 3 =	0	_
1. Phalaris arundinacea	95	Yes	FACW	FACU species	0	x 4 =	0	_
2. Juncus balticus	5	No	FACW	UPL species	0	x 5 =	0	_
3.				Column Totals:	130	(A)	260	(B)
4.				Prevalence Index = B/A	. =	2.00		
5.								
6				Hydrophytic Vegetatio	n Indicator	s:		
7.				1 - Rapid Test for I	Hydrophytic	Vegetatio	n	
8				X 2 - Dominance Tes	st is >50%			
9.				X 3 - Prevalence Ind	ex is ≤3.0 <sup>1</sup>			
10.				4 - Morphological A	Adaptations	1 (Provide	supporting	
11.				data in Remarks	s or on a se	parate she	et)	
	100 =	Total Cover		5 - Wetland Non-V	ascular Pla	nts <sup>1</sup>		
Woody Vine Stratum (Plot size: 30 ft.	)			Problematic Hydro	phytic Vege	tation <sup>1</sup> (Ex	(plain)	
1. None Observed				<sup>1</sup> Indicators of hydric soil	and wetlan	d hydroloc	v must	
2.				be present, unless distu				
	=	Total Cover						
				Hydrophytic				
% Bare Ground in Herb Stratum0				Vegetation Present?	Y	es X	No	

Remarks: A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).

A positive indication of hydrophytic vegetation was observed (Prevalence Index is  $\leq$  3.0).

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

epth	Matrix	-		Redov	Features			
nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-3	10YR 3/1	95	7/5YR 4/6	5	C/PL	M	Sandy Clay	Komano
			. <u> </u>					
			<u> </u>					
		·						
	Concentration, D=Depl					rains. <sup>2</sup> L	ocation: PL=Pore Lining	
Hydric Soil	s Indicators: (Applic	able to a	II LRRs, unless othe	erwise not	ed.)		Indicators for Proble	ematic Hydric Soils <sup>3</sup> :
Histoso	ol (A1)		Sandy	Redox (S5)	)		2 cm Muck (A10	))
Histic E	Epipedon (A2)		Strippe	d Matrix (S	6)		Red Parent Mate	erial (TF2)
Black H	Histic (A3)		Loamy	Mucky Min	eral (F1) (except N	/ILRA 1)	Very Shallow Da	ark Surface (TF12)
Hydrog	jen Sulfide (A4)		Loamy	Gleyed Ma	ıtrix (F2)		Other (Explain ir	n Remarks)
Deplete	ed Below Dark Surface	e (A11)	Deplete	ed Matrix (F	-3)			
Thick D	Dark Surface (A12)		X Redox	Dark Surfa	ce (F6)			
Sandy	Mucky Mineral (S1)		Deplete	ed Dark Su	rface (F7)		<sup>3</sup> Indicators of hydroph	nytic vegetation and
Sandy	Gleyed Matrix (S4)		Redox	Depressior	ns (F8)		wetland hydrology	must be present,
	,				. ,		unless disturbed o	r problematic.
Restrictive	Layer (if present):							
Type:		Cobble						
Depth(i	inches):	3				Hydri	c Soil Present?	Yes <u>X</u> No

## HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; c	heck all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
X Drift Deposits (B3)	X Oxidized Rhizospheres along Living Roots (C3)	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	X FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes No	X Depth (inches): N/A	
Water Table Present? Yes No	X Depth (inches): >20	
Saturation Present? Yes <u>No</u> (includes capillary fringe)	X Depth (inches): >20 Wetlan	nd Hydrology Present? Yes X No
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous inspections), if available:	
Remarks:		
A positive indication of wetland hydrology was of	bserved (at least one primary indicator).	
Source of hydrology is White River.		

No positive indication	of hydrophytic veget	ation was observed	I (≥50% of dominant	species indexed as FACL

Project/Site:	White	e River E	Inhance	ement at Circle F	Park	Cou	nty:		Rio B	lanco	Sampling Date:	00	ctober 29, 202	21
Applicant/Owner:				ERBM Parks ar	nd Rec			s	State:	СО	Sampling Point:		DP10	
Investigator(s):	N	/I. Dina		and	-		Sectio	on, Towr	nship, R	ange:		1N 94W 23		
Landform (hillslope,	terrace, e	etc.):		Island			Local	relief (c	oncave,	convex, none):	Convex	Slope (%):	0	)-1
Subregion (LRR):				E		Lat:		40.034	89	Long:	-107.90871	Datum:	NAD8	3
Soil Map Unit Name	:				W	ater				N	WI classification:		UPL	
Are climatic / hydrol	ogic condi	itions on	the site	e typical for this t	time of y	ear?	Yes	х	No	(If no,	explain in Remarks	5.)		
Are Vegetation	No	,Soil	No	,or Hydrology	No	significantly	/ distu	rbed?		Are "Normal (	Circumstances" pre	esent? Yes	5 <u>X</u> N	lo
Are Vegetation	No	,Soil	No	or Hydrology	No	naturally pr	oblem	atic?		(If needed, ex	plain any answers	in Remarks.)		

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes YesX	No X No X No	Is the Sampled Area within a Wetland?	Yes	No <u>X</u>	
			phytic vegetation and hydric soils. it was unable to be excavated at thi	s location.		

	Absolute	Dominant	Indicator	Dominance Test wor	ksheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant	Species			
1. None Observed				That Are OBL, FACW	, or FAC:		1	(A)
2.								_
3.				Total Number of Dom	inant			
4				Species Across All Str	rata:		5	(B)
	=	Total Cover						
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant S	Species			
1. Symphoricarpos albus	15	Yes	FACU	That Are OBL, FACW	, or FAC:		20%	(A/B)
2. <u>Rosa woodsii</u>	5	Yes	FACU					
3				Prevalence Index Wo	orksheet:			
4			. <u></u> .	Total % Cov	ver of:	Mu	ultiply by:	
5				OBL species	0	x 1 =	0	
	=	Total Cover		FACW species	25	x 2 =	50	
Herb Stratum (Plot size: 5 ft. )				FAC species	0	x 3 =	0	
1. Bromus inermis	20	Yes	UPL	FACU species	65	x 4 =	260	
2. Dactylis glomerata	25	Yes	FACU	UPL species	20	x 5 =	100	
3. Lactuca serriola	5	No	FACU	Column Totals:	110	(A)	410	(B)
4. Pascopyrum smithii	15	No	FACU	Prevalence Index = B/	/A =	3.73		
5. Phalaris arundinacea	20	Yes	FACW					
6. Juncus balticus	5	No	FACW	Hydrophytic Vegetat	ion Indicator	's:		
7.				1 - Rapid Test for	r Hydrophytic	Vegetatio	n	
8.				2 - Dominance T	est is >50%			
9				3 - Prevalence In	dex is ≤3.0 <sup>1</sup>			
10				4 - Morphological	Adaptations	1 (Provide	supporting	J
11				data in Remar	ks or on a se	parate she	et)	
	90 =	Total Cover		5 - Wetland Non-	Vascular Pla	nts <sup>1</sup>		
Woody Vine Stratum (Plot size: 30 ft.	)			Problematic Hydr	rophytic Vege	tation <sup>1</sup> (E)	xplain)	
1. None Observed				<sup>1</sup> Indicators of hydric so	oil and wetlan	d hydrolog	gy must	
2.				be present, unless dis	turbed or pro	blematic.		
	=	Total Cover						
				Hydrophytic				
% Bare Ground in Herb Stratum 10				Vegetation Present?	Y	es	No	х
emarks:								
No positive indication of hydrophytic vegetation w	as observed (	(≥50% of dominan	t species indexed as	s FACU or drier).				
Bare ground is litter and cobble.								

## SOIL

Profile Descrip		-		<b>-</b> ·	<b>-</b> .				
Depth (inches)	Matrix	0/			Features	Loc <sup>2</sup>	Tauture	5	morko
(inches)	Color (moist)	<u>%</u>	Color (moist)				Texture	Re	emarks
0-14	10YR 2/2	98	7.5YR 4/6	2	C	M	Sandy Clay		
		—	·						
		—	·						
1						2.			
			Reduced Matrix, CS LRRs, unless othe			rains. <sup>2</sup> L	ocation: PL=Pore Lini		
-					u.)		Indicators for Prol	-	DIIS":
Histosol (A				Redox (S5)			2 cm Muck (A1	,	
Histic Epip				ed Matrix (S6			Red Parent Ma		
Black Histi	. ,			-	eral (F1) <b>(except N</b>	ILRA 1)		Dark Surface (TF12	2)
	Sulfide (A4)		Loamy	Gleyed Mati	rix (F2)		Other (Explain	in Remarks)	
	elow Dark Surfac	e (A11)	Deplete	ed Matrix (F3	3)				
Thick Dark	Surface (A12)		Redox	Dark Surfac	e (F6)				
Sandy Muc	ky Mineral (S1)		Deplete	ed Dark Surf	face (F7)		<sup>3</sup> Indicators of hydro	phytic vegetation a	nd
Sandy Gley	/ed Matrix (S4)		Redox	Depressions	s (F8)		wetland hydrolog	y must be present,	
							unless disturbed	or problematic.	
Restrictive Lay	er (if present):								
Type:		Cobble							
Depth(inch	es):	4				Hydri	c Soil Present?	Yes	No X
DROLOGY									
	an Indiactora								
etland Hydrolo		id					O la l'acto	- (0	
<b>/etland Hydrold</b> Primary Indicate	ors (minimum of o	ne required;	check all that app				Secondary Indicato		
Vetland Hydrold Primary Indicato Surface Wa	ors (minimum of o ater (A1)	ne required;	Water-	Stained Leav	ves (B9) <b>(except</b>		Water-Stained	Leaves (B9) (MLR	
Vetland Hydrold Primary Indicato Surface Wa High Wate	ors (minimum of or ater (A1) r Table (A2)	ne required;	Water- MLI	Stained Lea RA 1, 2, 4A,			Water-Stained 4A, and 4B	Leaves (B9) <b>(MLR</b> 5)	
Vetland Hydrold Primary Indicato Surface Wa High Wate Saturation	ntable (A2) Table (A2) (A3)	ne required;	Water- MLI Salt Cr	Stained Lea <b>RA 1, 2, 4A,</b> rust (B11)	and 4B)		Water-Stained 4A, and 4B Drainage Patte	l Leaves (B9) <b>(MLR :)</b> erns (B10)	
Vetland Hydrold Primary Indicato Surface Wa High Wate Saturation Water Marl	ors (minimum of o ater (A1) r Table (A2) (A3) <s (b1)<="" td=""><td>ne required;</td><td>Water- MLI Salt Cr</td><td>Stained Lear <b>RA 1, 2, 4A,</b> <sup>r</sup>ust (B11) c Invertebrate</td><td>and 4B) es (B13)</td><td></td><td>Water-Stained 4A, and 4B Drainage Patte Dry-Season W</td><td>l Leaves (B9) <b>(MLR 5)</b> erns (B10) /ater Table (C2)</td><td>A 1, 2,</td></s>	ne required;	Water- MLI Salt Cr	Stained Lear <b>RA 1, 2, 4A,</b> <sup>r</sup> ust (B11) c Invertebrate	and 4B) es (B13)		Water-Stained 4A, and 4B Drainage Patte Dry-Season W	l Leaves (B9) <b>(MLR 5)</b> erns (B10) /ater Table (C2)	A 1, 2,
Vetland Hydrold       Primary Indicato       Surface Wi       High Wate       Saturation       Water Mari       Sediment I	rs (minimum of or ater (A1) r Table (A2) (A3) (S (B1) Deposits (B2)	ne required;	Water- MLI Salt Cr Aquatic Hydrog	Stained Lea RA 1, 2, 4A, rust (B11) c Invertebrate gen Sulfide C	and 4B) es (B13) Ddor (C1)		Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi	Leaves (B9) <b>(MLR</b> <b>)</b> erns (B10) Vater Table (C2) ible on Aerial Image	A 1, 2,
Vetland Hydrold Primary Indicato Surface W High Wate Saturation Water Marl Sediment [ X Drift Depose	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	ne required;	Water- MLI Salt Cr Aquatio Hydrog Oxidize	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe	and 4B) es (B13) Odor (C1) eres along Living I	Roots (C3)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P	Leaves (B9) (MLR ) erns (B10) later Table (C2) ible on Aerial Image osition (D2)	A 1, 2,
Vetland Hydrold Primary Indicato Surface W High Wate Saturation Water Marl Sediment I X Drift Depos Algal Mat c	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	ne required;	Water- MLI Salt Cr Aquatic Hydrog Oxidize	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe nce of Reduc	and 4B) es (B13) Odor (C1) eres along Living I æd Iron (C4)	. ,	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita	Leaves (B9) (MLR erns (B10) later Table (C2) ible on Aerial Image osition (D2) ard (D3)	A 1, 2,
Vetland Hydrold       Primary Indicato       Surface Ward       High Wate       Saturation       Water Mari       Sediment I       X       Drift Depose       Algal Mat or       Iron Depose	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A2) (A2) (A2) (A3) (A2) (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	ne required;	Water- MLI Salt Cr Aquatio Hydrog Oxidize Presen Recent	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe ince of Reduc t Iron Reduct	and 4B) es (B13) Odor (C1) eres along Living I eed Iron (C4) tion in Tilled Soils	(C6)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T	Leaves (B9) <b>(MLR</b> <b>b)</b> erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) lest (D5)	ery (C9)
/etland Hydrold       Primary Indicato       Surface Ward       High Wate       Saturation       Water Marl       Sediment I       X       Drift Depose       Algal Mat or       Iron Depose       Surface So	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3		Water- MLI Salt Cr Aquatio Hydrog Oxidize Presen Recent Stunted	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe nce of Reduct t Iron Reduct d or Stressed	and 4B) es (B13) Odor (C1) eres along Living I eed Iron (C4) tion in Tilled Soils d Plants (D1) <b>(LRI</b>	(C6)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	I Leaves (B9) <b>(MLR</b> ) erns (B10) /ater Table (C2) ible on Aerial Image osition (D2) ard (D3) rest (D5) punds (D6) <b>(LRR A</b> )	ery (C9)
/etland Hydrold         Primary Indicato         Surface Ward         High Wate         Saturation         Water Marl         Sediment I         X         Drift Depos         Algal Mat or         Iron Depos         Surface So         Inundation	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7	Water- MLI Salt Cr Aquatio Hydrog Oxidize Presen Recent Stunter ) Other (	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe ince of Reduc t Iron Reduct	and 4B) es (B13) Odor (C1) eres along Living I eed Iron (C4) tion in Tilled Soils d Plants (D1) <b>(LRI</b>	(C6)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	Leaves (B9) <b>(MLR</b> <b>b)</b> erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) lest (D5)	ery (C9)
/etland Hydrold         Primary Indicato         Surface Ward         High Wate         Saturation         Water Marl         Sediment I         X         Drift Depos         Algal Mat or         Iron Depos         Surface So         Inundation	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7	Water- MLI Salt Cr Aquatio Hydrog Oxidize Presen Recent Stunter ) Other (	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe nce of Reduct t Iron Reduct d or Stressed	and 4B) es (B13) Odor (C1) eres along Living I eed Iron (C4) tion in Tilled Soils d Plants (D1) <b>(LRI</b>	(C6)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	I Leaves (B9) <b>(MLR</b> ) erns (B10) /ater Table (C2) ible on Aerial Image osition (D2) ard (D3) rest (D5) punds (D6) <b>(LRR A</b> )	ery (C9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I Sediment I X Drift Depos Algal Mat c Iron Depos Surface Sc Inundation Sparsely V	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7	Water- MLI Salt Cr Aquatio Hydrog Oxidize Presen Recent Stunter ) Other (	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe nce of Reduct t Iron Reduct d or Stressed	and 4B) es (B13) Odor (C1) eres along Living I eed Iron (C4) tion in Tilled Soils d Plants (D1) <b>(LRI</b>	(C6)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	I Leaves (B9) <b>(MLR</b> ) erns (B10) /ater Table (C2) ible on Aerial Image osition (D2) ard (D3) rest (D5) punds (D6) <b>(LRR A</b> )	ery (C9)
Vetland Hydrold         Primary Indicato         Surface With         High Water         Saturation         Water Mari         Sediment I         X         Drift Deposition         Algal Matic         Iron Deposition         Surface Social         Inundation         Sparsely V	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7	Water- MLI Salt Cr Aquatio Hydrog Oxidize Presen Recent Stunted Other ( 88)	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe nce of Reduc t Iron Reduct d or Stressed (Explain in R	and 4B) es (B13) Ddor (C1) eres along Living f eed Iron (C4) tion in Tilled Soils d Plants (D1) <b>(LRF</b> emarks)	(C6)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	I Leaves (B9) <b>(MLR</b> ) erns (B10) /ater Table (C2) ible on Aerial Image osition (D2) ard (D3) rest (D5) punds (D6) <b>(LRR A</b> )	ery (C9)
Vetland Hydrold         Primary Indicato         Surface Water         High Water         Saturation         Water Mart         Sediment I         X         Drift Depose         Algal Mat of         Iron Depose         Surface So         Inundation         Sparsely V	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 ∋ Surface (E	Water- MLI     Salt Cr Aquation Hydrog Oxidize Presen Recent Stunter Stunter Other ( 8)	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe nce of Reduc t Iron Reduct d or Stressee (Explain in R	and 4B) es (B13) Ddor (C1) eres along Living f eed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks)	(C6)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	I Leaves (B9) <b>(MLR</b> ) erns (B10) /ater Table (C2) ible on Aerial Image osition (D2) ard (D3) rest (D5) punds (D6) <b>(LRR A</b> )	ery (C9)
Vetland Hydrold         Primary Indicato         Surface Water         High Water         Saturation         Water Mart         Sediment I         X         Drift Depose         Algal Mat or         Surface So         Iron Depose         Sparsely V         Field Observat         Surface Water F         Water Table Pro	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 ∋ Surface (E No	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunter Stunter Other ( 8)	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe nce of Reduct d or Stressed (Explain in R oth (inches): oth (inches):	and 4B) es (B13) Ddor (C1) eres along Living f eed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) <u>N/A</u> >20	(C6) R A)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	Leaves (B9) (MLR i) erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) lest (D5) punds (D6) (LRR A) lummocks (D7)	а <b>А 1, 2,</b> егу (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Pres	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 ∋ Surface (E	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunter Stunter Other ( 8)	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe nce of Reduc t Iron Reduct d or Stressee (Explain in R	and 4B) es (B13) Ddor (C1) eres along Living f eed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) <u>N/A</u> >20	(C6) R A)	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo	Leaves (B9) (MLR i) erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) lest (D5) punds (D6) (LRR A) lummocks (D7)	а <b>А 1, 2,</b> егу (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat c Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 ∋ Surface (B No No	Water-           MLI           Salt Cr           Aquation           Hydrog           Oxidize           Presen           Recent           Stunted           Other (88)	Stained Lear <b>RA 1, 2, 4A,</b> rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe- nce of Reduct t Iron Reduct d or Stressee (Explain in R oth (inches): oth (inches): oth (inches):	and 4B) es (B13) Odor (C1) eres along Living I ered Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) <u>N/A</u> >20 >20	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	Leaves (B9) (MLR i) erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) lest (D5) punds (D6) (LRR A) lummocks (D7)	а <b>А 1, 2,</b> егу (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat c Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 ∋ Surface (B No No	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunter Stunter Other ( 8)	Stained Lear <b>RA 1, 2, 4A,</b> rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe- nce of Reduct t Iron Reduct d or Stressee (Explain in R oth (inches): oth (inches): oth (inches):	and 4B) es (B13) Odor (C1) eres along Living I ered Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) <u>N/A</u> >20 >20	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	Leaves (B9) (MLR i) erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) lest (D5) punds (D6) (LRR A) lummocks (D7)	а <b>А 1, 2,</b> егу (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat c Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 ∋ Surface (B No No	Water-           MLI           Salt Cr           Aquation           Hydrog           Oxidize           Presen           Recent           Stunted           Other (88)	Stained Lear <b>RA 1, 2, 4A,</b> rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe- nce of Reduct t Iron Reduct d or Stressee (Explain in R oth (inches): oth (inches): oth (inches):	and 4B) es (B13) Odor (C1) eres along Living I ered Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) <u>N/A</u> >20 >20	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	Leaves (B9) (MLR i) erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) lest (D5) punds (D6) (LRR A) lummocks (D7)	а <b>А 1, 2,</b> егу (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorded	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 ∋ Surface (B No No	Water-           MLI           Salt Cr           Aquation           Hydrog           Oxidize           Presen           Recent           Stunted           Other (88)	Stained Lear <b>RA 1, 2, 4A,</b> rust (B11) c Invertebrate gen Sulfide C ed Rhizosphe- nce of Reduct t Iron Reduct d or Stressee (Explain in R oth (inches): oth (inches): oth (inches):	and 4B) es (B13) Odor (C1) eres along Living I ered Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) <u>N/A</u> >20 >20	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	Leaves (B9) (MLR i) erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) lest (D5) punds (D6) (LRR A) lummocks (D7)	а <b>А 1, 2,</b> егу (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorder emarks:	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 e Surface (E No No auge, monit	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted Stunted Other (18) X Dep X Dep X Dep Toring well, aerial points	Stained Lear <b>RA 1, 2, 4A,</b> rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe hace of Reduct t Iron Reduct d or Stressee (Explain in R both (inches): both (inches): both (inches): hotos, previo	and 4B) es (B13) Ddor (C1) eres along Living I sed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) N/A >20 >20 bus inspections), if	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	Leaves (B9) (MLR i) erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) lest (D5) punds (D6) (LRR A) lummocks (D7)	а <b>А 1, 2,</b> эту (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorder emarks: A positive indica	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 e Surface (E No No auge, monit	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted Stunted MLI Hydrog Oxidize Presen Recent Stunted Dom Stunted Dom X Dep X Dep Soring well, aerial picture Sobserved (at lease	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe hace of Reduct t Iron Reduct d or Stressee (Explain in R both (inches): both (inches): both (inches): both (inches): st one primar	and 4B) es (B13) Ddor (C1) eres along Living I sed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) N/A >20 >20 bus inspections), if	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	I Leaves (B9) (MLR i) erns (B10) fater Table (C2) ible on Aerial Image osition (D2) ard (D3) fest (D5) punds (D6) (LRR A) lummocks (D7) t? Yes <u>)</u>	а <b>А 1, 2,</b> эту (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorder emarks: A positive indica	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 e Surface (E No No auge, monit	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted Stunted MLI Hydrog Oxidize Presen Recent Stunted Dom Stunted Dom X Dep X Dep Soring well, aerial picture Sobserved (at lease	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe hace of Reduct t Iron Reduct d or Stressee (Explain in R both (inches): both (inches): both (inches): both (inches): st one primar	and 4B) es (B13) Ddor (C1) eres along Living I sed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) N/A >20 >20 bus inspections), if	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	I Leaves (B9) (MLR i) erns (B10) fater Table (C2) ible on Aerial Image osition (D2) ard (D3) fest (D5) punds (D6) (LRR A) lummocks (D7) t? Yes <u>)</u>	а <b>А 1, 2,</b> эту (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorder emarks: A positive indica	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 e Surface (E No No auge, monit	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted Stunted MLI Hydrog Oxidize Presen Recent Stunted Dom Stunted	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe hace of Reduct t Iron Reduct d or Stressee (Explain in R both (inches): both (inches): both (inches): both (inches): st one primar	and 4B) es (B13) Ddor (C1) eres along Living I sed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) N/A >20 >20 bus inspections), if	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	I Leaves (B9) (MLR i) erns (B10) fater Table (C2) ible on Aerial Image osition (D2) ard (D3) fest (D5) punds (D6) (LRR A) lummocks (D7) t? Yes <u>)</u>	а <b>А 1, 2,</b> эту (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorder emarks: A positive indica	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 e Surface (E No No auge, monit	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted Stunted MLI Hydrog Oxidize Presen Recent Stunted Dom Stunted	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe hace of Reduct t Iron Reduct d or Stressee (Explain in R both (inches): both (inches): both (inches): both (inches): st one primar	and 4B) es (B13) Ddor (C1) eres along Living I sed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) N/A >20 >20 bus inspections), if	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	I Leaves (B9) (MLR i) erns (B10) fater Table (C2) ible on Aerial Image osition (D2) ard (D3) fest (D5) punds (D6) (LRR A) lummocks (D7) t? Yes <u>)</u>	а <b>А 1, 2,</b> эту (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorder emarks: A positive indica	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 e Surface (E No No auge, monit	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted Stunted MLI Hydrog Oxidize Presen Recent Stunted Dom Stunted	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe hace of Reduct t Iron Reduct d or Stressee (Explain in R both (inches): both (inches): both (inches): both (inches): st one primar	and 4B) es (B13) Ddor (C1) eres along Living I sed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) N/A >20 >20 bus inspections), if	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	I Leaves (B9) (MLR i) erns (B10) fater Table (C2) ible on Aerial Image osition (D2) ard (D3) fest (D5) punds (D6) (LRR A) lummocks (D7) t? Yes <u>)</u>	а <b>А 1, 2,</b> эту (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorder emarks: A positive indica	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 e Surface (E No No auge, monit	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted Stunted MLI Hydrog Oxidize Presen Recent Stunted Dom Stunted	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe hace of Reduct t Iron Reduct d or Stressee (Explain in R both (inches): both (inches): both (inches): both (inches): st one primar	and 4B) es (B13) Ddor (C1) eres along Living I sed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) N/A >20 >20 bus inspections), if	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	I Leaves (B9) (MLR i) erns (B10) fater Table (C2) ible on Aerial Image osition (D2) ard (D3) fest (D5) punds (D6) (LRR A) lummocks (D7) t? Yes <u>)</u>	а <b>А 1, 2,</b> эту (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorder emarks: A positive indica	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	magery (B7 e Surface (E No No auge, monit	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted Stunted MLI Hydrog Oxidize Presen Recent Stunted Dom Stunted	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe hace of Reduct t Iron Reduct d or Stressee (Explain in R both (inches): both (inches): both (inches): both (inches): st one primar	and 4B) es (B13) Ddor (C1) eres along Living I sed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) N/A >20 >20 bus inspections), if	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mc Frost-Heave H	I Leaves (B9) (MLR i) erns (B10) fater Table (C2) ible on Aerial Image osition (D2) ard (D3) fest (D5) punds (D6) (LRR A) lummocks (D7) t? Yes <u>)</u>	а <b>А 1, 2,</b> эту (С9)
Vetland Hydrold Primary Indicato Surface Wa High Water Saturation Water Marl Sediment I X Drift Depos Algal Mat o Iron Depos Surface So Inundation Sparsely V Field Observat Surface Water F Water Table Pro Saturation Press (includes capilla escribe Recorder emarks: A positive indica	rs (minimum of or ater (A1) r Table (A2) (A3) (A3) (S (B1) Deposits (B2) iits (B3) or Crust (B4) iits (B5) iil Cracks (B6) Visible on Aerial I egetated Concave ions: Present? Yes esent? Yes esent? Yes or y fringe) ed Data (stream g	magery (B7 e Surface (E No No auge, monit	Water- MLI Salt Cr Aquation Hydrog Oxidize Presen Recent Stunted Stunted MLI Hydrog Oxidize Presen Recent Stunted Dom Stunted	Stained Lear RA 1, 2, 4A, rust (B11) c Invertebratu gen Sulfide C ed Rhizosphe hace of Reduct t Iron Reduct d or Stressee (Explain in R both (inches): both (inches): both (inches): both (inches): st one primar	and 4B) es (B13) Ddor (C1) eres along Living I sed Iron (C4) tion in Tilled Soils d Plants (D1) (LRF emarks) N/A >20 >20 bus inspections), if	(C6) R A) Wetla	Water-Stained 4A, and 4B Drainage Patte Dry-Season W Saturation Visi Geomorphic P Shallow Aquita FAC-Neutral T Raised Ant Mo Frost-Heave H	I Leaves (B9) (MLR ) erns (B10) l'ater Table (C2) ible on Aerial Image osition (D2) ard (D3) iest (D5) punds (D6) (LRR A) lummocks (D7) t? Yes upland species.	а <b>А 1, 2,</b> егу (С9)

Applicant/Owner:		ERBM Parks	and Rec				State:	СО	Sampling Point:		DP11	
Investigator(s):	M. Dina	and	-		Section	on, Tow	vnship, Ra	ange:		1N 94W 23		
Landform (hillslope, ter	race, etc.):	Riverb	ank		Local	relief (	concave,	convex, none):	Concave	Slope (%):		0-3
Subregion (LRR):		E		Lat:		40.035	504	Long:	-107.90854	Datum:	N	AD83
Soil Map Unit Name:			Red	rob loam				N	WI classification:		UPL	
Are climatic / hydrologi	c conditions or	the site typical for this	s time of	year?	Yes	Х	No	(lf no, e	explain in Remarks	.)		
Are Vegetation	No_,Soil_	No ,or Hydrology	No	significant	ly distu	rbed?		Are "Normal C	Circumstances" pre	esent? Yes	Х	No
Are Vegetation	No_,Soil_	No ,or Hydrology	No	naturally p	roblem	atic?		(If needed, ex	plain any answers	in Remarks.)		
SUMMARY OF F Hydrophytic Vegetal Hydric Soil Present? Wetland Hydrology	ion Present?	- Attach site ma	No No No	x x	-  :	s the S	nt loca ampled A a Wetland	Area	sects, import	ant feature	s, etc.	
wedana nyarology		103	<u> </u>	<u></u>	•		Wettania	•	103		Λ	-
		be within a wetland du ak of White River; site						e overstory/can	ору.			

	Absolute Dominant	Indicator	Dominance Test wor	ksheet:			
Tree Stratum (Plot size: 30 ft. )	% cover Species?	Status	Number of Dominant S	Species			
1. None Observed			That Are OBL, FACW,	or FAC:		1	(A)
2.							
3.			Total Number of Domi	nant			
4.			Species Across All Str	ata:		2	(B)
	= Total Cover						_
Sapling/Shrub Stratum (Plot size: 15 ft.	)		Percent of Dominant S	pecies			
1. Salix exigua	15 Yes	FACW	That Are OBL, FACW,	or FAC:		50%	(A/B)
2							
3			Prevalence Index Wo	rksheet:			
4			Total % Cov	er of:	Mu	ltiply by:	_
5			OBL species	0	x 1 =	0	_
	15 = Total Cover		FACW species	15	x 2 =	30	_
Herb Stratum (Plot size: 5 ft. )			FAC species	0		0	_
1. Bromus inermis	85 Yes	UPL	FACU species	0	x 4 =	0	_
2			UPL species	85		425	_
3			Column Totals:	100	(A)	455	(B)
4			Prevalence Index = B/	A =	4.55		
5							
6			Hydrophytic Vegetati	on Indicator	'S:		
7			1 - Rapid Test for		Vegetation	ו	
8			2 - Dominance Te				
9			3 - Prevalence Inc				
10			4 - Morphological				
11			data in Remark			et)	
	85 = Total Cover		5 - Wetland Non-				
Woody Vine Stratum (Plot size: 30 ft.	)		Problematic Hydr				
1. None Observed			<sup>1</sup> Indicators of hydric so			y must	
2			be present, unless dist	urbed or pro	blematic.		
	= Total Cover						
			Hydrophytic				
% Bare Ground in Herb Stratum 15			Vegetation Present?	Y	es	No	Х
Remarks:							
No positive indication of hydrophytic vegetation w	vas observed (≥50% of dominan	t species indexed as	s FACU or drier).				
Bare ground is litter and/or unprotected soil.							
S Army Corps of Engineers			Western N	Nountains, Va	alleys, and	Coast - Ve	ersion 2.0
OIL			S	Sampling Poi	nt:	DP11	

Profile Des	cription: (Describe t	to the dep	oth needed to docu	ment the ir	ndicator or confir	m the absence	of indicators.)	
Depth	Matrix			Redo	x Features			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	10YR 4/3	95	7.5YR 4/6	5	С	М	Loamy Sand	

			-		
	uced Matrix, CS=Covered or Coated Sand Grains.	<sup>2</sup> Location: PL=Pore Lining	g, M=Matrix.		
Hydric Soils Indicators: (Applicable to all LRI	Rs, unless otherwise noted.)	Indicators for Probl	ematic Hydric So	oils <sup>3</sup> :	
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10	))		
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Mat	erial (TF2)		
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Very Shallow Da	ark Surface (TF12	)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in	n Remarks)		
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)				
Thick Dark Surface (A12)	Redox Dark Surface (F6)				
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	<sup>3</sup> Indicators of hydropl	nytic vegetation ar	nd	
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	wetland hydrology	must be present,		
		unless disturbed o	r problematic.		
Restrictive Layer (if present):					
Туре:					
Depth(inches):		Hydric Soil Present?	Yes	No	х
Remarks:	· · · · · · · · · · · · · · · · · · ·				
No positive indication of hydric soils was observe	d.				

Wetland Hydrology Indicators:									
Primary Indicators (minimum of one requ	ired; check all	that apply)			Secondary Indicators (2 d	or more requi	red)		
Surface Water (A1)		Water-Stained Leave		Water-Stained Leav	es (B9) (MLF	₹A 1, 2,			
High Water Table (A2)			nd 4B)		4A, and 4B)				
Saturation (A3)		Salt Crust (B11)			Drainage Patterns (	B10)			
Water Marks (B1)		Aquatic Invertebrates	s (B13)		Dry-Season Water	Гable (C2)			
Sediment Deposits (B2)		Hydrogen Sulfide Od	lor (C1)		Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)		Oxidized Rhizospher	es along Living F	Roots (C3)	Geomorphic Positio	n (D2)			
Algal Mat or Crust (B4)		Presence of Reduce		Shallow Aquitard (D	3)				
Iron Deposits (B5)		(C6)	FAC-Neutral Test (E	))					
Surface Soil Cracks (B6)		A)	Raised Ant Mounds	(D6) (LRR A	)				
Inundation Visible on Aerial Imagery	(B7)	Other (Explain in Rer	marks)		Frost-Heave Humm	ocks (D7)			
Sparsely Vegetated Concave Surface	ce (B8)		,			· · ·			
Field Observations:									
Surface Water Present? Yes	No <u>X</u>	Depth (inches):	N/A						
Water Table Present? Yes	No <u>X</u>	Depth (inches):	>20						
Saturation Present? Yes	No <u>X</u>	Depth (inches):	>20	Wetla	nd Hydrology Present?	Yes	No	Х	
(includes capillary fringe)									
Describe Recorded Data (stream gauge, n	nonitoring well	, aerial photos, previou	is inspections), if	available:					
Remarks:									
No positive indication of wetland hydrolog	Jy was observe	ed.							
US Army Corps of Engineers					Western Mountai	ns, Valleys, a	Ind Coast - V	ersion 2.0	

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

Project/Site:	White	e River E	Inhance	ment at Circle F	Park	Count	ty:	Rio B	lanco	Sampling Date:		October 29,	2021
Applicant/Owner:				ERBM Parks ar	nd Rec			State:	CO	Sampling Point:		DP12	
Investigator(s):	Ν	/I. Dina		and	-		Section, Tov	/nship, R	ange:		1N 94W 23		
Landform (hillslope,	, terrace, e	etc.):		Riverba	nk	I	Local relief (	concave,	convex, none):	Concave	Slope (%):		0-3
Subregion (LRR):				E		Lat:	40.03	508	Long:	-107.90889	Datum:	N	AD83
Soil Map Unit Name	e:				Redrob	loam			N	WI classification:		PEM/PS	S
Are climatic / hydrol	logic cond	itions on	the site	typical for this t	ime of yea	ar? Y	res X	No	(If no, e	explain in Remarks	.)		
Are Vegetation	No	,Soil	No	,or Hydrology	No	significantly	disturbed?		Are "Normal C	Circumstances" pre	sent? Ye	s X	No
Are Vegetation	No	,Soil	No	,or Hydrology	No	naturally pro	blematic?		(If needed, ex	plain any answers	in Remarks.)		

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes <u>X</u>	No	
Remarks: This point was determined to be v PEM/PSS wetland on the souther			all 3 wetland criteria.			

# **VEGETATION - Use scientific names of plants.**

E

	Absolute	Dominant	Indicator	Dominance Test wor	ksheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant S	Species			
1. None Observed		<u> </u>		That Are OBL, FACW	, or FAC:		3	(A)
2.								
3.				Total Number of Domi	nant			
4.				Species Across All Str			3	(B)
		Total Cover					-	_ ( )
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant S	Snecies			
1. Salix exigua		Yes	FACW	That Are OBL, FACW		1	00%	(A/B)
2. Salix amygdaloides	5	Yes	FACW	matrito obe, intoiti	, 01 1 7 (0.		0070	_ (//////
		165		Prevalence Index Wo	orksheet:			
3 4				Total % Cov		Mul	tiply by:	
4 5.				OBL species	0 0	x 1 =	0 0	-
J		Total Cover		FACW species	115	x2=	230	-
Lieth Ctratum (Distaire) 5 ft	=	Total Cover		FAC vv species	10	x2= x3=		_
Herb Stratum (Plot size: 5 ft. )	05	N	FA ())//				30	-
1. <u>Phalaris arundinacea</u>	85	Yes	FACW	FACU species	0	x 4 =	0	-
2. <u>Alopecurus pratensis</u>	10	<u>No</u>	FAC	UPL species	0	x5=	0	(D)
3. <u>Calamagrostis canadensis</u>	5	No	FACW	Column Totals:	125	(A)	260	(B)
4				Prevalence Index = B/	A =	2.08		
5				Hydrophytic Vegetati	ion Indianta			
6			<u> </u>					
7				1 - Rapid Test for		Vegetatior	1	
8				X 2 - Dominance Te				
9				X 3 - Prevalence In				
10				4 - Morphological	-	-		
11				data in Remark			et)	
	100 =	Total Cover		5 - Wetland Non-				
Woody Vine Stratum (Plot size: 30 ft.	_)			Problematic Hydr	1, 0		, ,	
1. None Observed				<sup>1</sup> Indicators of hydric so			y must	
2				be present, unless dis	turbed or pro	blematic.		
	=	Total Cover						
				Hydrophytic				
% Bare Ground in Herb Stratum 0				Vegetation Present?	Y	es <u>X</u>	No	
Remarks:								
A positive indication of hydrophytic vegetation was	s observed (>	50% of dominant	species indexed as (	OBL, FACW, or FAC).				
A positive indication of hydrophytic vegetation was	s observed (P	revalence Index is	s ≤ 3.0).					

US Army Corps of Engineers

Sampling Point: DP12

Depth	Matrix			Redox	Features			
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	10YR 4/2	90	7.5YR 4/6	10	C/PL	М	Loamy Clay	

Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10	)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Mate	erial (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Very Shallow Da	ark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain ir	n Remarks)
Depleted Below Dark Surface (A11)	X Depleted Matrix (F3)		
Thick Dark Surface (A12)	Redox Dark Surface (F6)		
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	<sup>3</sup> Indicators of hydroph	nytic vegetation and
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	wetland hydrology	must be present,
		unless disturbed o	r problematic.
Restrictive Layer (if present):			
Туре:			
Depth(inches):		Hydric Soil Present?	Yes X No
Remarks:			
Remarks:	 1.		

Wetland Hydrology Indica	tors:						
Primary Indicators (minimu	um of one re	quired; ch	eck all t	that apply)			Secondary Indicators (2 or more required)
Surface Water (A1)				Water-Stained Leave	s (B9) <b>(excep</b>	t	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2	2)			MLRA 1, 2, 4A, a	nd 4B)		4A, and 4B)
Saturation (A3)				Salt Crust (B11)			Drainage Patterns (B10)
Water Marks (B1)				Aquatic Invertebrates	s (B13)		Dry-Season Water Table (C2)
Sediment Deposits (E	32)			Hydrogen Sulfide Od	or (C1)		X Saturation Visible on Aerial Imagery (C9)
X Drift Deposits (B3)			Х	Oxidized Rhizosphere	es along Livinç	g Roots (C3)	X Geomorphic Position (D2)
Algal Mat or Crust (B4	4)			Presence of Reduced	d Iron (C4)		Shallow Aquitard (D3)
Iron Deposits (B5)				Recent Iron Reductio	n in Tilled Soil	s (C6)	X FAC-Neutral Test (D5)
Surface Soil Cracks (	B6)			Stunted or Stressed I	Plants (D1) <b>(Ll</b>	RR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on	Aerial Image	ery (B7)		Other (Explain in Rer	narks)		Frost-Heave Hummocks (D7)
Sparsely Vegetated C	Concave Sur	face (B8)					
Field Observations:							
Surface Water Present?	Yes	No	Х	Depth (inches):	N/A		
Water Table Present?	Yes	No	Х	Depth (inches):	>20		
Saturation Present? (includes capillary fringe)	Yes	No	х	Depth (inches):	>20	Wetla	and Hydrology Present? Yes X No
Describe Recorded Data (st	ream gauge.	, monitorii	ng well,	aerial photos, previou	s inspections),	, if available:	
Remarks:							
A positive indication of we					,		
A positive indication of we			served	(at least two seconda	ry indicators).		
Source of hydrology is the	White River	•					
Army Corps of Engineers							Western Mountains, Vallevs, and Coast - Version

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

Project/Site:	White River E	nhancement at Circle	Park	County:	Rio Bl	anco	Sampling Date:	Oct	ober 29, 2021	
Applicant/Owner:		ERBM Parks	and Rec		State:	СО	Sampling Point:		DP13	
Investigator(s):	M. Dina	and	-	Sec	tion, Township, Ra	ange:		1N 94W 23		
Landform (hillslope, te	errace, etc.):	River	bank	Loc	al relief (concave,	convex, none):	Concave	Slope (%):	0-3	
Subregion (LRR):		E		Lat:	40.03510	Long:	-107.90887	Datum:	NAD83	
Soil Map Unit Name:			Redro	ob loam		N	WI classification:		UPL	
Are climatic / hydrolog	gic conditions on	the site typical for thi	s time of y	ear? Yes	<u>X</u> No	(If no, e	explain in Remarks	.)		
Are Vegetation	No_,Soil	No ,or Hydrology	No	significantly dis	turbed?	Are "Normal (	Circumstances" pre	sent? Yes	X No	
Are Vegetation	Yes ,Soil	No ,or Hydrolog	No	_naturally proble	matic?	(If needed, ex	plain any answers	in Remarks.)		

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?       Yes         Hydric Soil Present?       Yes         Wetland Hydrology Present?       Yes	No X No X No X	Is the Sampled Area within a Wetland?	Yes	No <u>X</u>	
---	----------------------	---------------------------------------	-----	-------------	--

This point was determined not to be within a wetland due to the lack of all three wetland criteria. Paired upland point for DP12.

Uplands in this area have been previously disturbed by surrounding commercial activities, as evidenced by the predominance of weedy species such as smooth brome. Upland areas in the general vicinity of these wetlands exhibit similar vegetation, and communities are consistent throughout the study area.

#### **VEGETATION - Use scientific names of plants.**

			A h = = h + t =	Densinent			Dominance Test workshe	oot.		
		<i>.</i>	Absolute	Dominant	Indicator					
	<u>um</u> (Plot size: <u>30</u>		% cover	Species?	Status		Number of Dominant Spec			<i>(</i> <b>•</b> )
1. None (							That Are OBL, FACW, or F	-AC:	1	(A)
2										
3							Total Number of Dominant			
4							Species Across All Strata:		3	(B)
			=	Total Cover						
Sapling/Shr	rub Stratum (Plot siz	te: 15 ft.	)				Percent of Dominant Speci	es		
1. Salix e	exigua		5	Yes	FACW		That Are OBL, FACW, or F	AC:	33%	(A/B)
2.										
							Prevalence Index Worksh	neet:		
							Total % Cover of	: N	lultiply by:	
							OBL species	<b>0</b> x 1 =	0	-
-			5 =	Total Cover			FACW species	<b>20</b> x 2 =	40	-
Herb Stratu	m (Plot size: 5 ft	t. )					FAC species	<b>0</b> x 3 =	0	_
	pyrum smithii	,	20	Yes	FACU		FACU species	<b>20</b> x 4 =	80	-
	is arundinacea		15	No	FACW		UPL species	<b>55</b> x 5 =		_
	is inermis		55	Yes	UPL		Column Totals:	<u> </u>		(B)
				165	UFL			()	390	(D)
							Prevalence Index = B/A =	4.10		
							Hydrophytic Vegetation I	ndicators		
7							1 - Rapid Test for Hyd		on	
							2 - Dominance Test is			
9.							3 - Prevalence Index i			
10							4 - Morphological Ada	ptations <sup>1</sup> (Provid	e supporting	
							data in Remarks or	on a separate sh	eet)	
			90 =	Total Cover			5 - Wetland Non-Vaso	ular Plants <sup>1</sup>		
Woody Vine	e Stratum (Plot size	e: 30 ft.	)				Problematic Hydrophy	tic Vegetation <sup>1</sup> (E	Explain)	
1. None (	<u>.</u>						<sup>1</sup> Indicators of hydric soil an			
							be present, unless disturbe			
				Total Cover				i		
Remarks: No positive	round in Herb Stratum indication of hydrophyti d is unprotected soil.		was observed (a	≥50% of dominan	t species indexed	as FACI	Hydrophytic Vegetation Present? U or drier).	Yes	No	<u>x</u>
JS Army Corps	of Engineers							itains, Valleys, ar	d Coast - Ve DP13	rsion 2.0
Brofilo Doo	cription: (Describe to	the depth n		mont the indicat	or or confirm the		o of indicators )			
		ane uepui n				absent				
Depth	Matrix			Redox Feat		2				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Re	marks	
0-16	10YR 3/2	100	None			_	Silty Loam			
				<u> </u>						
							·			
							·			
					atod Sand Crains		<sup>2</sup> Location: PL=Pore Lining	M_Motrix		
	Concentration, D=Deple				aleu Sano Grains	5.			:I_3.	
•							Indicators for Proble	•	IIS":	
Histoso				Redox (S5)			2 cm Muck (A10)			
Histic I	Epipedon (A2)			ed Matrix (S6)			Red Parent Mate	. ,		
Black I	Histic (A3)		Loamy	Mucky Mineral (I	F1) (except MLRA	A 1)	Very Shallow Da	rk Surface (TF12	)	
Hydrog	gen Sulfide (A4)		Loamy	Gleyed Matrix (F	2)		Other (Explain in	Pomarke)		
			Loany	Oleyeu Matrix (I	Z)			Remarks)		
Deplet	ed Below Dark Surface	(A11)		ed Matrix (F3)	2)			itemaiks)		

Redox Dark Surface (F6) Depleted Dark Surface (F7)

<sup>3</sup>Indicators of hydrophytic vegetation and

wetland hydrology must be present,

Redox Depressions (F8)

Sandy Mucky Mineral (S1)

Sandy Gleyed Matrix (S4)

	unless disturbed c	or problematic.
Restrictive Layer (if present):		
Туре:		
Depth(inches):	Hydric Soil Present?	Yes No <u>X</u>
Remarks:		
No positive indication of hydric soils was observed.		

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; che	ck all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes No	X Depth (inches): N/A	
Water Table Present? Yes No	X Depth (inches): >20	
Saturation Present? Yes No	X Depth (inches): >20	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspections), if avai	lable:
Remarks:		
No positive indication of wetland hydrology was ob	oserved.	

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

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

Project/Site:	White	River E	inhance	ement at Circle P	ark	Co	unty:		Rio Bl	anco	Sampling Date:		Octob	er 29, 20	)21
Applicant/Owner:				ERBM Parks an	d Rec				State:	CO	Sampling Point:			DP14	
Investigator(s):	Μ	I. Dina		and	-		Sectio	on, Tow	nship, Ra	ange:		1N 94W 2	23		
Landform (hillslope, t	terrace, et	tc.):		Riverbar	nk		Local	relief (c	oncave,	convex, none):	Concave	Slope (9	%):		0-3
Subregion (LRR):				E		Lat:		40.034	61	Long:	-107.91114	Datum:		NAD	83
Soil Map Unit Name:					Redrol	b loam				N	WI classification:		PE	EM/PSS	
Are climatic / hydrolo	gic condi	tions on	the site	e typical for this ti	me of ye	ear?	Yes	Х	No	(lf no, e	explain in Remarks	.)			
Are Vegetation	No	,Soil	No	,or Hydrology	No	significant	tly distu	rbed?		Are "Normal C	Circumstances" pre	sent?	Yes	Х	No
Are Vegetation	No	,Soil	No	,or Hydrology	No	naturally p	oroblem	atic?		(If needed, ex	plain any answers	in Remark	s.)		

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes)	<u>x</u>	No	
Remarks: This point was determined to be w Fragmented PEM/PSS wetland ale			all 3 wetland criteria. Associated upland determination point	t is DP20.			

			Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:	30 ft.	_)	% cover	Species?	Status	Number of Dominant Species

1										
1. <u>None C</u>						- T	hat Are OBL, FACW, or F	AC:	4	(A)
						-   _	otal Number of Dominant			
3 4.						-	Species Across All Strata:		4	(B)
				Total Cover	-	-   ~			-	_ (0)
Sapling/Shru	ub Stratum (Plot siz	ze: 15 f				Р	Percent of Dominant Speci	es		
1. Salix ex				Yes	FACW		hat Are OBL, FACW, or F		100%	(A/B)
	*									_ ` `
						Р	Prevalence Index Worksh	eet:		
-							Total % Cover of	: M	ultiply by:	
						C	OBL species	<b>20</b> x 1 =	20	
			5=	Total Cover		F	ACW species	<b>50</b> x 2 =	100	_
Herb Stratun	n (Plot size: 5 f	t. )				F	AC species	<b>35</b> x 3 =	105	_
1. Phalaris	s arundinacea		30	Yes	FACW	F	ACU species	<b>0</b> x 4 =	0	_
2. Juncus	balticus		15	No	FACW	U	JPL species	<b>0</b> x 5 =	0	
3. Spartina	a pectinata		20	Yes	OBL	C	Column Totals:	105 (A)	225	(B)
4. <u>Poa pra</u>	atensis		35	Yes	FAC	P	Prevalence Index = B/A =	2.14		
5										
6.						-   H	lydrophytic Vegetation In			
						-   _	1 - Rapid Test for Hyd		on	
							X 2 - Dominance Test is			
							X 3 - Prevalence Index is			
						-   -	4 - Morphological Ada			
11						-	data in Remarks or		eet)	
				Total Cover		-	5 - Wetland Non-Vasc			
Woody Vine		e: <u>30 f</u>	t)			1.	Problematic Hydrophy			
1. <u>None C</u>							Indicators of hydric soil and e present, unless disturbe			
2				Tatal Quint			e present, unless disturbe	a of problematic.		
			=	Total Cover						
% Poro Cr	und in Harb Stratum						lydrophytic /egetation Present?	Vac V	No	
% bale Git	ound in Herb Stratum	I <u> </u>	-			v	regetation Present?	Yes <u>X</u>		
A positive in	dication of hydrophytic	-			ant species indexed ex is ≤ 3.0).	as OBL, FA	ACW, or FAC).			
		-			-	as OBL, FA				
A positive in		-			-	1 as OBL, FA		tains, Valleys, an	d Coast - Ve	ersion 2.0
		-			-	as OBL, FA	Western Moun	tains, Valleys, an ling Point:		
US Army Corps o	of Engineers	vegetation	was observed (P	Prevalence Inde	ex is ≤ 3.0).		Western Moun	, ,		
US Army Corps o SOIL Profile Desc	of Engineers	vegetation	was observed (P	Prevalence Inde	ex is ≤ 3.0). cator or confirm t		Western Moun	, ,		
US Army Corps of SOIL Profile Deso Depth	of Engineers cription: (Describe to Matrix	the depth	was observed (P	Prevalence Inde	ex is ≤ 3.0). cator or confirm tl eatures	he absence	Western Moun Samp of indicators.)	ling Point:	DP14	
US Army Corps of SOIL Profile Desc Depth (inches)	of Engineers cription: (Describe to Matrix Color (moist)	the depth	meeded to docu	Iment the indication of the in	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup>	he absence	Western Moun Samp of indicators.)	ling Point:		
US Army Corps of SOIL Profile Dest (inches) 0-12	of Engineers cription: (Describe to <u>Matrix</u> <u>Color (moist)</u> 10YR 3/2	b the depth	needed to docu Color (moist) 5YR 4/4	Iment the india	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C	he absence	Western Moun Samp of indicators.) Texture Silty Clay Loam	ling Point:	DP14	
US Army Corps of SOIL Profile Desc Depth (inches)	of Engineers cription: (Describe to Matrix Color (moist)	the depth	meeded to docu	Iment the indication of the in	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup>	he absence	Western Moun Samp of indicators.)	ling Point:	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12	of Engineers cription: (Describe to <u>Matrix</u> <u>Color (moist)</u> 10YR 3/2	b the depth	needed to docu Color (moist) 5YR 4/4	Iment the india	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C	he absence	Western Moun Samp of indicators.) Texture Silty Clay Loam	ling Point:	DP14	
US Army Corps of SOIL Profile Desto (inches) 0-12	of Engineers cription: (Describe to <u>Matrix</u> <u>Color (moist)</u> 10YR 3/2	b the depth	needed to docu Color (moist) 5YR 4/4	Iment the india	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C	he absence	Western Moun Samp of indicators.) Texture Silty Clay Loam	ling Point:	DP14	
US Army Corps of SOIL Profile Desto (inches) 0-12	of Engineers cription: (Describe to <u>Matrix</u> <u>Color (moist)</u> 10YR 3/2	b the depth	needed to docu Color (moist) 5YR 4/4	Iment the india	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C	he absence	Western Moun Samp of indicators.) Texture Silty Clay Loam	ling Point:	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12	of Engineers cription: (Describe to <u>Matrix</u> <u>Color (moist)</u> 10YR 3/2	b the depth	needed to docu Color (moist) 5YR 4/4	Iment the india	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C	he absence	Western Moun Samp of indicators.) Texture Silty Clay Loam	ling Point:	DP14	
US Army Corps of SOIL Profile Desto (inches) 0-12	of Engineers cription: (Describe to <u>Matrix</u> <u>Color (moist)</u> 10YR 3/2	b the depth	needed to docu Color (moist) 5YR 4/4	Iment the india	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C	he absence	Western Moun Samp of indicators.) Texture Silty Clay Loam	ling Point:	DP14	
US Army Corps of SOIL Profile Deso Depth (inches) 0-12 12-16	of Engineers Cription: (Describe to Matrix Color (moist) 10YR 3/2 10YR 2/2	• vegetation	needed to docu Color (moist) 5YR 4/4 7.5YR 4/6	Redox Fe	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C C C C	he absence	Western Moun Samp of indicators.) Texture Silty Clay Loam Loamy Clay	ling Point: 	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 	of Engineers cription: (Describe to <u>Matrix</u> <u>Color (moist)</u> 10YR 3/2	• vegetation           • the depth	needed to docu Color (moist) 5YR 4/4 7.5YR 4/6 Reduced Matrix, C	Iment the india	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C C C C C C C C C C C C C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Loamy Clay	Ning Point:	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 12-16 	of Engineers	• vegetation           • the depth	needed to docu <u>Color (moist)</u> <u>5YR 4/4</u> <u>7.5YR 4/6</u> <u>Seduced Matrix, C</u> LRRs, unless oth	Iment the india Redox For Second Seco	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C C C C C C C C C C C C C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Loamy Clay Location: PL=Pore Lining Indicators for Proble	Ning Point:	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 12-16     	of Engineers	• vegetation           • the depth	needed to docu <u>Color (moist)</u> <u>5YR 4/4</u> <u>7.5YR 4/6</u> <u>Seduced Matrix, C</u> LRRs, unless ott Sandy	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5)	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C C C C C C C C C C C C C	he absence	Western Moun Samp of indicators.) Texture Silty Clay Loam Loamy Clay Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10)	Rer	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 12-16 	of Engineers	• vegetation           • the depth	needed to docu Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) Syr 4/6 C	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5) ed Matrix (S6)	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C C C C C C C C C C C C C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate	Ning Point:	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 12-16 	of Engineers	• vegetation           • the depth	needed to docu Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/6 Color (moist) Syr 4/4 Color (moist) Syr 4/6 Color (moist) Color (moist) Syr 4/6 Color (moist) Color (moist) Syr 4/6 Color (moist) Color (moist) Syr 4/6 Color (moist) Color (moist) Color (moist) Syr 4/6 Color (moist) Color (moist) Colo	Iment the india Redox For 5 10 2S=Covered or nerwise noted r Redox (S5) ed Matrix (S6) y Mucky Minera	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C C C C C C C C C C C C C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate Very Shallow Dar	Ing Point: 	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 	of Engineers	b the depth	needed to docu <u>Color (moist)</u> <u>5YR 4/4</u> <u>7.5YR 4/6</u> <u>SYR 4/6</u> <u>Color (moist)</u> <u>5YR 4/4</u> <u>7.5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/4</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/4</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/4</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/4</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/4</u> <u>Color (moist)</u> <u>5YR 4/4</u> <u>Color (moist)</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>5YR 4/6</u> <u>Color (moist)</u> <u>Color (moist)</u>	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5) ed Matrix (S6) y Mucky Minera y Gleyed Matrix	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C C C C C C C C C C C C C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate	Ing Point: 	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 	of Engineers	b the depth	A needed to docu Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) Color (moist) SYR 4/4 Color (moist) SYR 4/6 Color (moist) Color (moist) Syr 4/6 Color (moist) Syr 4/6 Color (moist) Syr 4/6 Color (moist) Syr 4/6 Color (moist) Syr 4/6 Color (moist) Color (moist) Syr 4/6 Color (moist) Color (moist) Syr 4/6 Color (moist) Color (moist) Colo	Iment the india Redox For 5 10 2S=Covered or nerwise noted / Redox (S5) ed Matrix (S6) y Mucky Minera y Gleyed Matrix ted Matrix (F3)	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C C C C C C C C C C C C C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate Very Shallow Dar	Ing Point: 	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 12-16 	of Engineers	b the depth	A needed to docu Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) Color (moist) SYR 4/4 Color (moist) SYR 4/6 Color (moist) Color (moist) Colo	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5) ed Matrix (S6) y Mucky Minera y Gleyed Matrix ted Matrix (F3) < Dark Surface	ex is ≤ 3.0). cator or confirm the eatures Type <sup>1</sup> C C C C C C C C C C C C C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate Very Shallow Dar Other (Explain in	Ing Point: 	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 	of Engineers	b the depth	A needed to docu Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) SYR 4/4 7.5YR 4/6 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/6 Color (moist) Color (moist)	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5) ed Matrix (S6) y Mucky Minera y Gleyed Matrix ted Matrix (F3) < Dark Surface ted Dark Surface	cator or confirm the         cator or confirm the         Type1         C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate Very Shallow Dar	Ing Point:  	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 12-16  Hydric Soils Histoso Histic E Black H Hydroge Deplete Thick D Sandy N	of Engineers	b the depth	A needed to docu Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) SYR 4/4 7.5YR 4/6 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/6 Color (moist) Color (moist)	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5) ed Matrix (S6) y Mucky Minera y Gleyed Matrix ted Matrix (F3) < Dark Surface	cator or confirm the         cator or confirm the         Type1         C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate Very Shallow Dar Other (Explain in <sup>3</sup> Indicators of hydrophy	Ing Point: 	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 	of Engineers	b the depth	A needed to docu Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) SYR 4/4 7.5YR 4/6 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/6 Color (moist) Color (moist)	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5) ed Matrix (S6) y Mucky Minera y Gleyed Matrix ted Matrix (F3) < Dark Surface ted Dark Surface	cator or confirm the         cator or confirm the         Type1         C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate Very Shallow Dar Other (Explain in <sup>3</sup> Indicators of hydrophy wetland hydrology r	Ing Point: 	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 	of Engineers	b the depth	A needed to docu Color (moist) 5YR 4/4 7.5YR 4/6 Color (moist) SYR 4/4 7.5YR 4/6 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/4 Color (moist) Syr 4/6 Color (moist) Color (moist)	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5) ed Matrix (S6) y Mucky Minera y Gleyed Matrix ted Matrix (F3) < Dark Surface ted Dark Surface	cator or confirm the         cator or confirm the         Type1         C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate Very Shallow Dar Other (Explain in <sup>3</sup> Indicators of hydrophy wetland hydrology r	Ing Point: Rer 	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 13-16 13-1	of Engineers	o the depth 95 90 90 etion, RM=F able to all I	Reduced Matrix, C Reduced Matrix, C Sandy Stripp Loamy Depler X Redox Depler Redox	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5) ed Matrix (S6) y Mucky Minera y Gleyed Matrix ted Matrix (F3) < Dark Surface ted Dark Surface	cator or confirm the         cator or confirm the         Type1         C	he absence	Western Moun Samp of indicators.) <u>Texture</u> Silty Clay Loam Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate Very Shallow Dar Other (Explain in <sup>3</sup> Indicators of hydrophy wetland hydrology r	Ing Point: Rer 	DP14	
US Army Corps of SOIL Profile Desc Depth (inches) 0-12 12-16 13-16 13-1	of Engineers	o the depth 95 90 90 etion, RM=F able to all I	Reduced Matrix, C Reduced Matrix, C Sandy Stripp Loamy Depler X Redox Depler Redox	Iment the india Redox For 5 10 2S=Covered or herwise noted / Redox (S5) ed Matrix (S6) y Mucky Minera y Gleyed Matrix ted Matrix (F3) < Dark Surface ted Dark Surface	cator or confirm the         cator or confirm the         Type1         C	he absence	Western Moun Samp of indicators.) Texture Silty Clay Loam Loamy Clay Loamy Clay Location: PL=Pore Lining Indicators for Proble 2 cm Muck (A10) Red Parent Mate Very Shallow Dar Other (Explain in <sup>3</sup> Indicators of hydrophy wetland hydrology r unless disturbed or	Ing Point: Rer 	DP14	

A positive indication of hydric soil was observed.

	tors (minimum of one	required; check all t				Secondary Indicators (2 or r				
Surface W			Water-Stained Leave			Water-Stained Leaves	(B9) <b>(MLRA 1, 2,</b>			
High Wate	er Table (A2)		MLRA 1, 2, 4A, a	nd 4B)		4A, and 4B)				
Saturation	i (A3)		Salt Crust (B11)			Drainage Patterns (B10)				
Water Ma	rks (B1)		Aquatic Invertebrates	s (B13)		Dry-Season Water Table (C2)				
Sediment	Deposits (B2)		Hydrogen Sulfide Od	or (C1)		Saturation Visible on A	erial Imagery (C9)			
Drift Depo	sits (B3)	X	Oxidized Rhizospher	es along Living F	oots (C3)	X Geomorphic Position (I	D2)			
Algal Mat	or Crust (B4)		Presence of Reduced	d Iron (C4)		Shallow Aquitard (D3)				
Iron Depo:	sits (B5)		Recent Iron Reduction	on in Tilled Soils (	C6)	X FAC-Neutral Test (D5)				
Surface S	oil Cracks (B6)		Stunted or Stressed	Plants (D1) <b>(LRR</b>	A)	Raised Ant Mounds (D	6) (LRR A)			
Inundation	n Visible on Aerial Ima	agery (B7)	Other (Explain in Rer	marks)		Frost-Heave Hummock	(S (D7)			
	Vegetated Concave S	• • • • · · ·								
Field Observa	tions:									
Surface Water	Present? Yes	No X	Depth (inches):	N/A						
Water Table Pr	resent? Yes	No X	Depth (inches):	>20						
Saturation Pres	sent? Yes	No X	Depth (inches):	>20	Wetlar	nd Hydrology Present?	Yes X No			
(includes capilla	ary fringe)		· · · · -							
	···· _ ··· (-·· ··· · g-··	ge,	aerial photos, previou							
Remarks:										
A positive indic	ation of wetland hydr	ology was observed	(at least one primary	indicator).						
A positive indic	ation of wetland hydr	ology was observed	(at least two seconda	ry indicators).						
Source of hydro	ology is the White Riv	/er.								
S Army Corps of I	Engineers					Western Mountains,	Valleys, and Coast - Version 2.			
, , , , , , , , , , , , , , , , , , , ,	5						•			
	WETLAND DE	ETERMINATIO	N DATA FORM	- Western N	ountains,	Valleys, and Coast R	egion			
roject/Site:	White River Enl	nancement at Circle	Park Cour	nty: I	Rio Blanco	Sampling Date:	October 29, 2021			
pplicant/Owner:		ERBM Parks a	nd Rec	Stat	e: CO	Sampling Point:	DP20			

Applicant/Owner:			ERBM Parks ar	nd Rec		State:	CO	Sampling Point	::	DP20	
Investigator(s):	M. Di	na	and	-	Sect	ion, Township	, Range:		1N 94W 23		
Landform (hillslope	, terrace, etc.):		Riverba	nk	Loca	I relief (conca	ve, convex, n	one): <u>Convex</u>	Slope (%):	(	0-2
Subregion (LRR):			E	Li	at:	40.03461	Long:	-107.91114	Datum:	NAD	83
Soil Map Unit Name	e:			Redrob loam				NWI classification:		UPL	
Are climatic / hydro	logic condition	s on the site	e typical for this t	ime of year?	Yes	X No	(	lf no, explain in Remarl	ks.)		
Are Vegetation	No ,S	oil <b>No</b>	,or Hydrology	No signific	antly distu	urbed?	Are "No	rmal Circumstances" p	resent? Yes	<u> </u>	No
Are Vegetation	<u>No</u> ,S	oil <b>No</b>	,or Hydrology	No natural	ly problen	natic?	(If need	ed, explain any answer	s in Remarks.)		

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland?	Yes	No <u>X</u>	
Remarks: This point was determined not to l Paired upland point for DP14.	be within a wetland	d due to the lack of all th	ree wetland criteria.			

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant Species		
1. None Observed				That Are OBL, FACW, or FAC:	1	(A)
2.						
3.				Total Number of Dominant		
4.				Species Across All Strata:	3	(B)
	=	Total Cover				
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant Species		
1. None Observed				That Are OBL, FACW, or FAC:	33%	(A/B)
2						

		I	Prevalence Index Wo	rkahaati		
3						
4		<u> </u>	Total % Cov		Multiply	·
5			OBL species		x1=	
	= Total Cover		FACW species		x 2 = 5	0
Herb Stratum (Plot size: 5 ft. )			FAC species	10	x 3 = <b>3</b>	0
1. Pascopyrum smithii	25 Yes	FACU	FACU species	25	x 4 = <b>10</b>	00
2. Bromus inermis	40 Yes	UPL	UPL species	40	x 5 = <b>20</b>	00
3. Poa pratensis	10 No	FAC	Column Totals:	100	(A) 38	<b>30</b> (B)
4. Phalaris arundinacea	25 Yes	FACW	Prevalence Index = B/	A =	3.80	
5.						_
6.			Hydrophytic Vegetati	on Indicators:		
			1 - Rapid Test for	Hydrophytic Ve	aetation	
			2 - Dominance Te		getation	
8	<u></u>	<u> </u>				
9			3 - Prevalence Inc			
10	<u></u>		4 - Morphological			orting
11	<u> </u>			s or on a separ		
	100 = Total Cover		5 - Wetland Non-	Vascular Plants	1	
Voody Vine Stratum (Plot size: 30 ft.	)		Problematic Hydr	ophytic Vegetati	on <sup>1</sup> (Explain	)
1. None Observed	—		<sup>1</sup> Indicators of hydric so	il and wetland h	ydrology mu	st
2.			be present, unless dist	turbed or proble	matic.	
	= Total Cover					
( Dave Oracined in Lingh Oterstore O			Hydrophytic	V		- <b>X</b>
6 Bare Ground in Herb Stratum0			Vegetation Present?	res	N	o <u>x</u>
rmy Corps of Engineers			Western N	Nountains, Valle	va and Coor	at Varaian
my corps or Engineers			western	nountains, valle	ys, and Coas	st - version.
L			S	Sampling Point:		DP20
Profile Description: (Describe to the depth ne	eded to document the indicate	or or confirm the ab	sence of indicators.)			
Depth Matrix	Redox Featu	ures				
inches) Color (moist) % C	color (moist) %	Type <sup>1</sup> Lo	c <sup>2</sup> Texture		Remarks	
	NONE					
	<u> </u>					
				_		
Type: C=Concentration, D=Depletion, RM=Redu	uced Matrix, CS=Covered or Co	ated Sand Grains.	<sup>2</sup> Location: PL=Pore Li	ining, M=Matrix.		
ydric Soils Indicators: (Applicable to all LRR	In the second secon		Indicators for Pr	oblematic Hydi	ric Soils <sup>3</sup> :	
Histosol (A1)	Sandy Redox (S5)		2 cm Muck (	A10)		
Histic Epipedon (A2)	Stripped Matrix (S6)			Material (TF2)		
Black Histic (A3)	Loamy Mucky Mineral (F	1) (except MI RA 1)		v Dark Surface (	TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2			in in Remarks)		
		2)		in in Kenarks)		
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)					
Thick Dark Surface (A12)	Redox Dark Surface (F6	,	2			
	Depleted Dark Surface (	(F7)	<sup>3</sup> Indicators of hyd	., .		
Sandy Mucky Mineral (S1)	Depleted Dark Surface (				sent	
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	)	wetland hydrol			
Sandy Gleyed Matrix (S4)		)		ed or problemati		
Sandy Gleyed Matrix (S4)		)				
Sandy Gleyed Matrix (S4)		)				
Sandy Gleyed Matrix (S4) estrictive Layer (if present):		)			с.	o X
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type:		)	unless disturbe	ed or problemation	с.	oX
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth(inches):			unless disturbe	ed or problemation	с.	o <u>X</u>
Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth(inches): marks:	Redox Depressions (F8)		unless disturbe	ed or problemation	с.	o X
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth(inches): emarks:	Redox Depressions (F8)		unless disturbe	ed or problemation	с.	o X
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth(inches): marks:	Redox Depressions (F8)		unless disturbe	ed or problemation	с.	o <u>X</u>
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth(inches): marks:	Redox Depressions (F8)		unless disturbe	ed or problemation	с.	o <u>X</u>
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth(inches): marks:	Redox Depressions (F8)		unless disturbe	ed or problemation	с.	o <u>X</u>
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type: Depth(inches): marks: Io positive indication of hydric soils was observe	Redox Depressions (F8)		unless disturbe	ed or problemation	с.	o <u>X</u>
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)		unless disturbe	ed or problemation	с.	o <u>X</u>
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type: Depth(inches): marks: No positive indication of hydric soils was observe  DROLOGY  etland Hydrology Indicators:	Redox Depressions (F8)		unless disturbe	Yes	cN	o <u>X</u>
Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type:	Redox Depressions (F8)		unless disturbe	Yes	c N	o <u>X</u>

High Water Table (A2)

MLRA 1, 2, 4A, and 4B)

Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)				
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots (C3)	ots (C3) X Geomorphic Position (D2)				
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)				
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	FAC-Neutral Test (D5)				
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)				
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)				
Sparsely Vegetated Concave Surface (B8)						
Field Observations:						
Surface Water Present? Yes No	X Depth (inches): N/A					
Water Table Present? Yes No	X Depth (inches): >20					
Saturation Present? Yes No	X Depth (inches): >20 We	etland Hydrology Present? Yes <u>No X</u>				
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitorir	g well, aerial photos, previous inspections), if available:					
Remarks:						
No positive indication of wetland hydrology was of	bserved.					
US Army Corps of Engineers		Western Mountains, Valleys, and Coast - Version 2.0				

Project/Site:	White River E	nhancement at Circle P	ark Co	unty:	Rio Blanco		Sampling Date:	Oct	ober 29, 2021
Applicant/Owner:		ERBM Parks an	d Rec	St	ate:	CO	_ Sampling Point:		DP15
Investigator(s):	M. Dina	and	-	Section, Town	ship, Rar	nge:		1N 94W 23	
Landform (hillslope,	terrace, etc.):	Riverbar	nk	Local relief (co	ncave, c	onvex, none):	Concave	Slope (%):	0-3
Subregion (LRR):		E	Lat:	40.0341	7	Long:	-107.91282	Datum:	NAD83
Soil Map Unit Name	:		Water			<u> </u>	WI classification:		PEM/PSS
Are climatic / hydrolo	ogic conditions on	the site typical for this ti	me of year?	Yes X	No	(If no,	explain in Remarks	.)	
Are Vegetation	No_,Soil_	No ,or Hydrology	No significan	tly disturbed?		Are "Normal	Circumstances" pre	esent? Yes	X No
Are Vegetation	No ,Soil	No ,or Hydrology	No naturally	problematic?		(If needed, e	xplain any answers	in Remarks.)	

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes_	x	No
Remarks: This point was determined to be w Fragmented PEM/PSS wetland or		•	3 wetland criteria.			

				Dominance Test wor	kahaati			
	Absolute	Dominant	Indicator	Dominance Test wor	KSneet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant	Species			
1. None Observed				That Are OBL, FACW	, or FAC:		2	(A)
2.								
3.				Total Number of Dom	inant			
4.				Species Across All Str	rata:		2	(B)
		Total Cover						_ ( )
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant S	Species			
1. Salix exigua	20	Yes	FACW	That Are OBL, FACW	. or FAC:		100%	(A/B)
2.					,			_ ( )
3.				Prevalence Index Wo	orksheet:			
4.				Total % Cov	ver of:	Mu	ltiply by:	
5.				OBL species	15	x 1 =	15	_
	20 =	Total Cover		FACW species	105	x 2 =	210	_
Herb Stratum (Plot size: 5 ft. )				FAC species	0	x 3 =	0	
1. Phalaris arundinacea	85	Yes	FACW	FACU species	0	x 4 =	0	_
2. Spartina pectinata	10	No	OBL	UPL species	0	x 5 =	0	
3. Typha latifolia	5	No	OBL	Column Totals:	120	(A)	225	(B)

4.			_				Prevalence Index = B/A =	1.88	
					_				
							Hydrophytic Vegetation In		
							1 - Rapid Test for Hydr		
							X 2 - Dominance Test is		
						· -	X 3 - Prevalence Index is		upporting.
						· -	4 - Morphological Adap data in Remarks or		
11				Total Cove			5 - Wetland Non-Vasci	· .	()
Woody Vine	Stratum (Plot size	e: 30			1	-	Problematic Hydrophyt		lain)
1. None O		0.00	<u></u> )			-	Indicators of hydric soil and		
2.							be present, unless disturbe	, ,,	
				Total Cove	r				
							Hydrophytic		
% Bare Gro	ound in Herb Stratun	n0					Vegetation Present?	Yes X	No
Remarks:									
		-			inant species indexed	as OBL, F	ACW, or FAC).		
A positive inc	dication of hydrophytic	vegetatio	n was observed (Pi	evalence Ir	ndex is ≤ 3.0).				
US Army Corps of	of Engineers						Western Mount	tains, Valleys, and (	Coast - Version 2.0
coving corport									
SOIL							Samp	ling Point:	DP15
SUL									
Profile Desc	cription: (Describe to	o the dept	h needed to docu	ment the in	ndicator or confirm th	ne absenc	e of indicators.)		
Depth	Matrix			Redox	Features				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rema	rks
0-16	10YR 4/2	90	'.5YR 4/6	10	C	М	Silty Sand		
									<u> </u>
									<u> </u>
			·						
		tion PM-	Poducod Matrix C	S-Covorod	or Coated Sand Grair		<sup>2</sup> Location: PL=Pore Lining,	M-Motrix	
	s Indicators: (Application)					15.	Indicators for Problem		3.
Histoso	l (A1)		X Sandy	Redox (S5)	)		2 cm Muck (A10)		•
	pipedon (A2)			d Matrix (S			Red Parent Mater	ial (TF2)	
	listic (A3)				eral (F1) (except MLF	RA 1)	Very Shallow Dar	. ,	
	en Sulfide (A4)			Gleyed Ma		,	Other (Explain in		
	d Below Dark Surface	e (A11)		ed Matrix (F			、	,	
Thick D	ark Surface (A12)	( )		Dark Surfa	-				
Sandy M	Mucky Mineral (S1)		Deplet	ed Dark Su	rface (F7)		<sup>3</sup> Indicators of hydrophy	tic vegetation and	
Sandy (	Gleyed Matrix (S4)		Redox	Depressior	ns (F8)		wetland hydrology n	nust be present,	
							unless disturbed or	problematic.	
Restrictive I	Layer (if present):								
Type:									
Depth(ir	nches):					Hyd	ric Soil Present?	Yes X	No
Remarks:	diantion of hudda - 1		a d						
A positive inc	dication of hydric soil v	was observ	red.						

Primary Indicators (minimum of one required; check	k all that apply)	Secondary Indicators (2 or more required)		
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,		
High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)		
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)		
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	X Saturation Visible on Aerial Imagery (C9)		
X Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots (C3)	X Geomorphic Position (D2)		
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)		
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	X FAC-Neutral Test (D5)		
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)		

Sparsely Vegetated 0	Concave Su	urface (B8)				
Field Observations:						
Surface Water Present?	Yes	No	Х	Depth (inches):	N/A	
Water Table Present?	Yes	No	Х	Depth (inches):	>20	
Saturation Present? (includes capillary fringe)	Yes	No	Х	Depth (inches):	>20	Wetland Hydrology Present? Yes X No
Describe Recorded Data (s	tream gaug	e, monitorin	ig weil, i	aenai photos, previous	sinspection	ns), il avallable.
Remarks: A positive indication of we A positive indication of we					,	rs).
US Army Corps of Engineers						Western Mountains, Valleys, and Coast - Version 2.0

Project/Site:	White River E	inhancement at Circle	Park	County:	Rio E	llanco	Sampling Date:	Oct	ober 29, 2021	
Applicant/Owner:		ERBM Parks	and Rec		State:	СО	Sampling Point:		DP16	
Investigator(s):	M. Dina	and	-	Se	ction, Township, F	lange:		1N 94W 23		
Landform (hillslope, t	errace, etc.):	Riverb	ank	Lo	cal relief (concave	, convex, none):	Concave	Slope (%):	0-3	
Subregion (LRR):		E		Lat:	40.03421	Long:	-107.91284	Datum:	NAD83	
Soil Map Unit Name:		Shawa Io	am, wet, 0 to 5	percent sl	opes	N	WI classification:		UPL	
Are climatic / hydrolo	gic conditions on	the site typical for this	time of year?	Ye	s <u>X</u> No	(lf no, e	explain in Remarks	i.)		
Are Vegetation	No_,Soil	No ,or Hydrology	<u>No</u> sigr	nificantly di	sturbed?	Are "Normal C	Circumstances" pre	esent? Yes	X No	
Are Vegetation	No_,Soil_	No ,or Hydrology	<u>No</u> natu	urally probl	ematic?	(If needed, ex	plain any answers	in Remarks.)		
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.										

#### ons, trans ap ng samp ıp 5, IY P

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland?	Yes	No <u>X</u>			
Remarks: This point was determined not to be within a wetland due to the lack of all three wetland criteria. Paired upland point for DP15.								

	Absolute	Dominant	Indicator	Dominance Test wor	ksheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant S	Species			
1. None Observed				That Are OBL, FACW	, or FAC:		2	(A)
2.								
3.				Total Number of Domi	nant			
4.				Species Across All Str	ata:		4	(B)
	=	Total Cover						_ ( )
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant S	Species			
1. Salix exigua	5	Yes	FACW	That Are OBL, FACW	, or FAC:		50%	(A/B)
2. Rosa woodsii	10	Yes	FACU					
3. Symphoricarpos albus	5	Yes	FACU	Prevalence Index Wo	orksheet:			
4.				Total % Cov	er of:	Mu	ltiply by:	
5.				OBL species	0	x 1 =	0	_
	20 =	Total Cover		FACW species	10	x 2 =	20	
Herb Stratum (Plot size: 5 ft. )				FAC species	80	x 3 =	240	
1. Phalaris arundinacea	5	No	FACW	FACU species	15	x 4 =	60	
2. Bromus inermis	80	Yes	FAC	UPL species	0	x 5 =	0	
3.				Column Totals:	105	(A)	320	(B)
4.				Prevalence Index = B/	A =	3.05		
5								
6.				Hydrophytic Vegetati	on Indicator	'S:		
7.				1 - Rapid Test for	Hydrophytic	Vegetation	n	
8				2 - Dominance Te	est is >50%			
9.				3 - Prevalence In	dex is ≤3.0 <sup>1</sup>			
10.				4 - Morphological	Adaptations	1 (Provide	supporting	
11.				data in Remark				
·					-			

Woody Vine 1. None O 2.		ze: 30	<u>85</u> = <u>ft.</u> ) 	Total Cover			5 - Wetland Non-Vasci Problematic Hydrophyl <sup>1</sup> Indicators of hydric soil and be present, unless disturbed	ic Vegetation <sup>1</sup> (I d wetland hydrole	ogy must
% Bare Gro	ound in Herb Stratu	ım <u>15</u>	=	Total Cover			Hydrophytic Vegetation Present?	Yes	NoX
-	ndication of hydrophy is litter and unprotec	-	ion was observed (	≥50% of dom	inant species ind	exed as FACl	J or drier).		
Army Corps	of Engineers						Western Mount	ains, Valleys, ar	nd Coast - Version 2
DIL							Samp	ling Point:	DP16
	ription: (Describe	to the dep	h needed to docu	ment the inc	licator or confirm	m the absenc	e of indicators.)		
Depth	Matrix				Features		_	_	
(inches) 0-16	Color (moist) 10YR 3/2	<u>%</u> 100	Color (moist) None	<u>%</u>	Type <sup>1</sup>		Texture Silty Loam	Re	marks
				_					
				_					
<sup>1</sup> Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, C	S=Covered o	or Coated Sand C	Grains.	<sup>2</sup> Location: PL=Pore Lining,	M=Matrix.	
	Indicators: (Applie						Indicators for Problem		ils <sup>3</sup> :
Histoso	l (A1)		Sandy	Redox (S5)			2 cm Muck (A10)		
	pipedon (A2)		Strippe	ed Matrix (S6	)		Red Parent Mater	ial (TF2)	
	istic (A3)			-	ral (F1) <b>(except I</b>	VILRA 1)	Very Shallow Dar	-	)
	en Sulfide (A4)		Loamy	Gleyed Matr	ix (F2)		Other (Explain in	Remarks)	
	d Below Dark Surfac	ce (A11)		ted Matrix (F3					
	ark Surface (A12)			Dark Surfac	. ,		2		
-	Mucky Mineral (S1) Gleyed Matrix (S4)			ted Dark Surf			<sup>3</sup> Indicators of hydrophy wetland hydrology n	nust be present,	nd
Destrictive I	ever (if present).						unless disturbed or	problematic.	
	Layer (if present):								
Type: Depth(ir	nches):					Hyd	ric Soil Present?	Yes	No X
emarks: No positive i	ndication of hydric sc	oils was obs	served.						
DROLOG	9Y								
etland Hydr	ology Indicators:								

Primary Indicators (minimum of	one required; ch	eck all		Secondary Indicators (2 or more required)						
Surface Water (A1)			Water-Stained Leave	s (B9) <b>(except</b>		Water-Stained Leav	es (B9) <b>(MLR</b>	A 1, 2,		
High Water Table (A2)			MLRA 1, 2, 4A, ai	nd 4B)		4A, and 4B)				
Saturation (A3)			Salt Crust (B11)			Drainage Patterns (B10)				
Water Marks (B1)			Aquatic Invertebrates	; (B13)		Dry-Season Water Table (C2)				
Sediment Deposits (B2)			Hydrogen Sulfide Od	or (C1)	Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)			Oxidized Rhizosphere	es along Living F	Roots (C3)	Geomorphic Position (D2)				
Algal Mat or Crust (B4)			Presence of Reduced	d Iron (C4)		Shallow Aquitard (D	3)			
Iron Deposits (B5)			Recent Iron Reductio	n in Tilled Soils (	(C6)	FAC-Neutral Test (	05)			
Surface Soil Cracks (B6)			Stunted or Stressed I	Plants (D1) <b>(LRR</b>	: A)	Raised Ant Mounds	(D6) (LRR A)			
Inundation Visible on Aeria	al Imagery (B7)		Other (Explain in Ren	narks)	Frost-Heave Humm	ocks (D7)				
Sparsely Vegetated Conca	ve Surface (B8)		-							
Field Observations:										
Surface Water Present? Yes	No	х	Depth (inches):	N/A						
Water Table Present? Yes	No	х	Depth (inches):	>20						
Saturation Present? Yes	No	х	Depth (inches):	>20	Wetla	nd Hydrology Present?	Yes	No	х	
(includes capillary fringe)										
Describe Recorded Data (stream	gauge, monitori	ng well,	aerial photos, previous	s inspections), if	available:					

No	nositive	indication	of	wetland	hydrology	was	observed.
110	positive	indication	UI.	wellanu	nyurulugy	was	ubserveu.

US Army Corps of Engineers

Remarks:

Western Mountains, Valleys, and Coast - Version 2.0

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

Project/Site:	White	River E	Enhance	ment at Circle F	Park	Cou	inty:		Rio B	lanco	Sampling Date:		Oct	ober 29,	2021	
Applicant/Owner:				ERBM Parks ar	nd Rec				State:	CO	Sampling Point:			DP17		
Investigator(s):	Ν	1. Dina		and	-		Sectio	on, Tow	nship, R	ange:		1N 94W 2	23			
Landform (hillslope	, terrace, e	tc.):		Island			Local	relief (d	concave,	convex, none):	Convex	Slope (9	%):		0-1	
Subregion (LRR):				E		Lat:		40.034	30	Long:	-107.91242	Datum:		N	AD83	
Soil Map Unit Name	e:				Wa	ater				N\	WI classification:			PEM/PS	S	
Are climatic / hydro	logic condi	tions on	the site	typical for this	time of ye	ar?	Yes	Х	No	(If no, e	xplain in Remarks	.)				
Are Vegetation	No	,Soil	No	,or Hydrology	No	significantl	ly distu	rbed?		Are "Normal C	ircumstances" pre	sent?	Yes	х	No	
Are Vegetation	No	,Soil	No	,or Hydrology	No	naturally p	roblem	atic?		(If needed, exp	plain any answers	in Remark	s.)			

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes_	x	No	
Remarks: This point was determined to be within a wetland due to the presence of all 3 wetland criteria. PEM/PSS on small island located in the middle of the White River. Area is completely dominated by hydrophytic vegetation, hydric soils, and wetland hydrology and							

PEM/PSS on small island located in the middle of the White River. Area is completely dominated by hydrophytic vegetation, hydric soils, and wetland hydrology and abuts the river's OHWM.

	Absolute	Dominant	Indicator	Dominance Test wor	ksheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant S	Species			
1. None Observed				That Are OBL, FACW,	or FAC:		4	(A)
2.								
3.				Total Number of Domi	nant			
4.				Species Across All Str	ata:		4	(B)
	=	Total Cover						
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant S	Species			
1. Salix amygdaloides		Yes	FACW	That Are OBL, FACW,			100%	(A/B)
2. Salix exigua	35	Yes	FACW					_ ` ´
3.				Prevalence Index Wo	rksheet:			
4.			. <u> </u>	Total % Cov	er of:	Mu	Itiply by:	
5.				OBL species	30	x 1 =	30	_
	55 =	Total Cover		FACW species	110	x 2 =	220	_
Herb Stratum (Plot size: 5 ft. )				FAC species	15	x 3 =	45	_
1. Phalaris arundinacea	45	Yes	FACW	FACU species	0	x 4 =	0	_
2. Juncus balticus	10	No	FACW	UPL species	0	x 5 =	0	_
3. Typha latifolia	10	No	OBL	Column Totals:	155	(A)	295	(B)
4. Poa pratensis	15	No	FAC	Prevalence Index = B/	A =	1.90		
5. Spartina pectinata	20	Yes	OBL					
6				Hydrophytic Vegetati	on Indicator	s:		
7				1 - Rapid Test for	Hydrophytic	Vegetation	n	
8.				X 2 - Dominance Te		0		
9.				X 3 - Prevalence Inc	dex is ≤3.0 <sup>1</sup>			
10				4 - Morphological	Adaptations	(Provide	supporting	
11				data in Remark	s or on a sep	arate she	et)	
	100 =	Total Cover		5 - Wetland Non-	Vascular Pla	nts <sup>1</sup>		
Woody Vine Stratum (Plot size: 30 ft.	)			Problematic Hydro	ophytic Vege	tation <sup>1</sup> (Ex	plain)	
1. None Observed	/			<sup>1</sup> Indicators of hydric so	il and wetlan	d hvdrolog	iv must	
2.				be present, unless dist				
	=	Total Cover						
				Hydrophytic				
% Bare Ground in Herb Stratum 0				Vegetation Present?	V	es X	No	

Remarks:

- A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC).
- A positive indication of hydrophytic vegetation was observed (Prevalence Index is  $\leq$  3.0).

US Army Corps of Engineers

	Western Mountains,	Vallevs.	and Coast -	Version 2.0	0
--	--------------------	----------	-------------	-------------	---

SOIL				Sam	pling Point: DP17	
Profile Description: (Describe to the depth	needed to document	the indicator or confir	m the absence o	of indicators.)		
Depth Matrix		Redox Features				
(inches) Color (moist) %	Color (moist) 9	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-6 10YR 2/2 92	7.5YR 4/6	B C/PL	M	Clay Loam		
			<u> </u>			
<u></u>			<u> </u>			
		<u> </u>	·			
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=F	educed Matrix. CS=Cc	overed or Coated Sand C	Grains. <sup>2</sup> Lo	ocation: PL=Pore Lining	g. M=Matrix.	
Hydric Soils Indicators: (Applicable to all I					ematic Hydric Soils <sup>3</sup> :	
Histosol (A1)	Sandy Redo	ox (S5)		2 cm Muck (A10	))	
Histic Epipedon (A2)	Stripped Matrix (S6) Red Parent Material (TF2)					
Black Histic (A3)	Loamy Muc	ky Mineral (F1) (except	MLRA 1)	Very Shallow Da	ark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gley	ed Matrix (F2)		Other (Explain in	n Remarks)	
Depleted Below Dark Surface (A11)	Depleted Ma	atrix (F3)				
Thick Dark Surface (A12)	X Redox Dark	Surface (F6)				
Sandy Mucky Mineral (S1)	Depleted Da	ark Surface (F7)		<sup>3</sup> Indicators of hydropl	hytic vegetation and	
Sandy Gleyed Matrix (S4)	Redox Depr	ressions (F8)		wetland hydrology	•	
<b>•</b>				unless disturbed o	r problematic.	
Restrictive Layer (if present):						
Type: Cobble						
Depth(inches): 6			Hydric	: Soil Present?	Yes <u>X</u> No	
Remarks:						
A positive indication of hydric soil was observe	ed.					

## HYDROLOGY

Wetland Hydrology Indicators:				
Primary Indicators (minimum of one required; che	ck all that apply)	Secondary Indicators (2 or more required)		
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,		
High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)		
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)		
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	X Saturation Visible on Aerial Imagery (C9)		
X Drift Deposits (B3)	X Oxidized Rhizospheres along Living Roots (C3)	Geomorphic Position (D2)		
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)		
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	X FAC-Neutral Test (D5)		
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)		
Sparsely Vegetated Concave Surface (B8)				
Field Observations:				
Surface Water Present? Yes No	X Depth (inches): N/A			
Water Table Present? Yes No	X Depth (inches): >20			
Saturation Present? Yes No	X Depth (inches): >20 Wetla	and Hydrology Present? Yes <u>X</u> No		
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspections), if available:			
Remarks:				
A positive indication of wetland hydrology was obs				
A positive indication of wetland hydrology was obs	erved (at least two secondary indicators).			
Source of hydrology is the White River.				

Project/Site:	White River Enhancement at Circle Park			Cour	nty: <u>Rio</u>	Rio Blanco		Oct	ober 29, 2021	
Applicant/Owner:		ERBM Pa	ks and Rec		State:	CO	Sampling Point:		DP18	
Investigator(s):	M. Dina	and	-		Section, Township,	Range:		1N 94W 23		
Landform (hillslope,	terrace, etc.):	I	sland		Local relief (concav	ve, convex, none):	Convex	Slope (%):	0-1	
Subregion (LRR):	_	E		Lat:	40.03419	Long:	-107.91263	Datum:	NAD83	
Soil Map Unit Name	:		Wa	ter		N	IWI classification:		PEM/PSS	
Are climatic / hydrole	ogic conditions c	on the site typical for	this time of ye	ar?	Yes X No	(If no,	explain in Remarks	s.)		
Are Vegetation	No ,Soil	No ,or Hydrol	ogy <u>No</u>	significantly	v disturbed?	Are "Normal	Circumstances" pre	esent? Yes	X No	
Are Vegetation	No ,Soil	No ,or Hydrol	ogy <b>No</b>	naturally pr	oblematic?	(If needed, e>	xplain any answers	in Remarks.)		

#### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>x</u>	No	In the Converted Area			
Hydric Soil Present?	Yes	X	No	Is the Sampled Area			
Wetland Hydrology Present?	Yes	X	No	within a Wetland?	Yes	x	No

Remarks:

This point was determined to be within a wetland due to the presence of all 3 wetland criteria.

PEM/PSS on small island located in the middle of the White River. Area is completely dominated by hydrophytic vegetation, hydric soils, and wetland hydrology and abuts the river's OHWM.

				Dominance Test work	choot.		
	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant Sp			
1. None Observed				That Are OBL, FACW, o	or FAC:	3	(A)
2							
3			. <u></u>	Total Number of Domin	ant		
4				Species Across All Stra	ata:	3	(B)
	=	Total Cover					
Sapling/Shrub Stratum (Plot size: 15 ft.	_)			Percent of Dominant Sp	pecies		
1. Salix exigua	25	Yes	FACW	That Are OBL, FACW, o	or FAC:	100%	(A/B)
2. Salix amygdaloides	15	Yes	FACW				
3				Prevalence Index Wor	ksheet:		
4.				Total % Cove	er of:	Multiply by:	
5.				OBL species	20	x1= 20	•
	40 =	Total Cover		FACW species	105	x2= 210	·
Herb Stratum (Plot size: 5 ft. )				FAC species	15	x3= 45	·
1. Poa pratensis	15	No	FAC	FACU species	0	x4= 0	·
2. Juncus balticus	10	No	FACW	UPL species	0	x5= 0	•
3. Phalaris arundinacea	55	Yes	FACW	Column Totals:	140	(A) <b>275</b>	- (B)
4. Spartina pectinata	15	No	OBL	Prevalence Index = B/A	-		(D)
	5				.=	1.90	
5. <u>Typha latifolia</u>	<u> </u>	No	OBL	Hydrophytic Vegetatio	n Indicator		
6		<u> </u>	. <u></u>				
7				1 - Rapid Test for I		Vegetation	
8				X 2 - Dominance Tes			
9			. <u></u>	X 3 - Prevalence Inde		1	
10					•	<sup>1</sup> (Provide supporting	
11				data in Remarks		,	
	100 =	Total Cover		5 - Wetland Non-V			
Woody Vine Stratum (Plot size: 30 ft.	)			Problematic Hydro			
1. None Observed				<sup>1</sup> Indicators of hydric soil			
2				be present, unless distu	urbed or prol	blematic.	
	=	Total Cover					
				Hydrophytic			
% Bare Ground in Herb Stratum 0				Vegetation Present?	Ye	es <u>X</u> No	
				_			
Remarks:							
A positive indication of hydrophytic vegetation was	s observed (>5	0% of dominant	species indexed as (	OBL, FACW, or FAC).			
A positive indication of hydrophytic vegetation was	s observed (Pr	evalence Index is	s ≤ 3.0).				

SOIL
------

Samp	ling	Point:	
------	------	--------	--

DP18

SOIL								
Profile Des	cription: (Describe t	o the depth	needed to docur	nent the ir	dicator or confiri	m the absence	of indicators.)	
Depth		•					,	
	Matrix				Features	. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc <sup>2</sup>	Texture	Remarks
0-4	10YR 2/2	95	7.5YR 4/6	5	C/PL	M	Clay Loam	
1						2		
	oncentration, D=Depl					Grains. <sup>2</sup> L	ocation: PL=Pore Linin	
Hydric Soils	s Indicators: (Applic	able to all	LRRS, unless othe	erwise not	ed.)		Indicators for Probl	ematic Hydric Soils <sup>3</sup> :
Histoso	I (A1)		Sandy	Redox (S5)			2 cm Muck (A10	))
Histic E	pipedon (A2)		Strippe	d Matrix (S	6)		Red Parent Mat	erial (TF2)
Black H	listic (A3)		Loamy	Mucky Min	eral (F1) <b>(except I</b>	MLRA 1)	Very Shallow Da	ark Surface (TF12)
Hydrog	en Sulfide (A4)		Loamy	Gleyed Ma	trix (F2)		Other (Explain i	n Remarks)
Deplete	d Below Dark Surface	e (A11)	Deplete	ed Matrix (F	3)			
·	ark Surface (A12)		X Redox					
	Mucky Mineral (S1)			ed Dark Su			<sup>3</sup> Indicators of hydrop	hytic vegetation and
							wetland hydrology	
Sandy	Gleyed Matrix (S4)		Redox	Depressior	IS (FO)		unless disturbed of	-
Destaistive	(					-		i problematic.
Resultive	Layer (if present):							
Type:		Cobble						
Depth(i	nches):	4				Hydrid	Soil Present?	Yes X No
HYDROLOG	θY							
Wotland Uvd	rology Indicators:							
	cators (minimum of or	ne required;						s (2 or more required)
Surface	Water (A1)		Water-	Stained Lea	aves (B9) (except			_eaves (B9) <b>(MLRA 1, 2,</b>
High W	ater Table (A2)		MLF	RA 1, 2, 4A	, and 4B)		4A, and 4B)	
Saturat	ion (A3)		Salt Cr	ust (B11)			Drainage Patter	ns (B10)
Water I	/larks (B1)		Aquatio	lnvertebra	tes (B13)		Dry-Season Wa	ter Table (C2)
Sedime	nt Deposits (B2)		Hydrog	en Sulfide	Odor (C1)		X Saturation Visib	le on Aerial Imagery (C9)
X Drift De	posits (B3)		X Oxidize	d Rhizospł	eres along Living	Roots (C3)	Geomorphic Po	sition (D2)
	at or Crust (B4)		Presen	ce of Redu	ced Iron (C4)		 Shallow Aquitar	d (D3)
	posits (B5)				tion in Tilled Soils	(C6)	X FAC-Neutral Te	
	Soil Cracks (B6)				ed Plants (D1) (LR			inds (D6) <b>(LRR A)</b>
		magany (P7)						
	ion Visible on Aerial I			Explain in F	kemarks)		Frost-Heave Hu	IMMOCKS (D7)
Sparse	y Vegetated Concave	Surface (B	8)					
Field Ob each								
Field Obser	vations:							
Surface Wat	er Present? Yes	No No	X Dep	oth (inches)	: <u>N/A</u>			
Water Table	Present? Yes	No	X Dep	oth (inches)	: >20			
Saturation P	resent? Yes	No	X Dep	oth (inches)	>20	Wetla	nd Hydrology Present	? Yes <u>X</u> No
(includes ca	pillary fringe)							
Describe Rec	orded Data (stream ga	auge, monit	oring well, aerial pl	hotos, prev	ous inspections),	if available:		
Remarks:								
	dication of wetland hy	drology was	observed (at leas	t one prima	rv indicator).			
-	dication of wetland hy				-			
-	drology is the White F							
_ 50.00 0i Hy								

Project/Site:	White River Enhancement at Circle Park County: Rio Blanco Sampling Date				Sampling Date:	Oc	tober 29,	2021							
Applicant/Owner:				ERBM Parks an	d Rec				State:	CO	Sampling Point:		DP19		
Investigator(s):	Μ	I. Dina		and	-		Secti	on, Tow	vnship, R	ange:		1N 94W 23			
Landform (hillslope	, terrace, e	tc.):		Riverbar	nk		Loca	l relief (	concave,	, convex, none):	Concave	Slope (%):		0-3	
Subregion (LRR):				E		Lat:		40.034	471	Long:	-107.91196	Datum:	N	AD83	
Soil Map Unit Name	e:			Shawa loar	n, wet, 0	to 5 percer	nt slop	es		N	VI classification:		PEM/PS	S	
Are climatic / hydro	logic condi	tions on	the site	typical for this t	ime of ye	ar?	Yes	Х	No	(If no, e	xplain in Remarks	.)			
Are Vegetation	No	,Soil	No	,or Hydrology	No	significantly	y distu	urbed?		Are "Normal C	ircumstances" pre	sent? Yes	Х	No	
Are Vegetation	No	,Soil	No	,or Hydrology	No	naturally pr	oblen	natic?		(If needed, exp	olain any answers i	in Remarks.)			

#### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X Yes X	No No No	Is the Sampled Area within a Wetland?	Yes X	No
Wetland Hydrology Present?	Yes X	No	within a Wetland?	Yes <u>X</u>	No

Remarks:

This point was determined to be within a wetland due to the presence of all 3 wetland criteria.

Fragmented PEM/PSS wetland fringe on south side of White River. Data point collected to confirm that hydric soil indicators remained consistent throughout fringe. Upland vegetation community and conditions remain unchanged; as such, no additional upland determination point was collected at this location.

#### **VEGETATION - Use scientific names of plants.**

	Absolute	Dominant	Indicator	Dominance Test wo	rksheet:			
Tree Stratum (Plot size: 30 ft. )	% cover	Species?	Status	Number of Dominant	Species			
1. None Observed				That Are OBL, FACW	I, or FAC:		2	(A)
2								
3				Total Number of Dom	ninant			
4.				Species Across All S	trata:		2	(B)
	=	Total Cover						
Sapling/Shrub Stratum (Plot size: 15 ft.	)			Percent of Dominant	Species			
1. Salix exigua	25	Yes	FACW	That Are OBL, FACW	/, or FAC:		100%	(A/B)
2.								_
3.				Prevalence Index W	orksheet:			
4.				Total % Co	ver of:	Mu	Iltiply by:	
5.				OBL species	0	x 1 =	0	_
	25 =	Total Cover		FACW species	120	x 2 =	240	_
Herb Stratum (Plot size: 5 ft. )				FAC species	5	x 3 =	15	_
1. Phalaris arundinacea	85	Yes	FACW	FACU species	0	x 4 =	0	_
2. Poa pratensis	5	No	FAC	UPL species	0	x 5 =	0	_
3. Juncus balticus	10	No	FACW	Column Totals:	125	(A)	255	(B)
4.				Prevalence Index = B		2.04		_ (=)
5.								
6				Hydrophytic Vegeta	tion Indicato	'S:		
7.				1 - Rapid Test fo	r Hydrophytic	Venetatio	n	
8				X 2 - Dominance T		rogotatio		
9				X 3 - Prevalence Ir				
10				4 - Morphologica		<sup>1</sup> (Provide	supporting	
11				data in Remai	-	-		
	100 -	Total Cover		5 - Wetland Non				
Woody Vine Stratum (Plot size: 30 ft.	<u> </u>			Problematic Hyd			(nlain)	
1. None Observed	/			<sup>1</sup> Indicators of hydric s				
				be present, unless dis		, ,	gy must	
2		Total Cover						
		Total Cover						
% Bare Ground in Herb Stratum 0				Hydrophytic Vegetation Present?	, v	es X	No	
				vegetation Fresents	•	es <u> ^</u>	No	
Remarks:								
A positive indication of hydrophytic vegetation wa	as observed (>	50% of dominant	species indexed as	OBL FACW or FAC)				
A positive indication of hydrophytic vegetation wa								
			0 = 0.0).					
S Army Corps of Engineers				Westorn	Mountains, V	alleve and	Coast - W	arsion 2.0
Trany Corps of Engineers				vvesterri	wountains, v	uneys, dife		
					Sampling Poi	nt:	DP19	
					Sampling POI	nt.	0019	

DP19

Depth	Matrix			Redox I	Features			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	10YR 2/2		5YR 4/4	10	C/PL	М	Silty Clay Loam	
					·			
					·			
<sup>1</sup> Type: C=Co	ncentration, D=Depl	etion. RM=Re	duced Matrix. C	S=Covered o	or Coated Sand G	rains. <sup>2</sup> L	ocation: PL=Pore Lining,	M=Matrix.
	Indicators: (Applie						Indicators for Proble	
Histosol	(A1)		Sandy	Redox (S5)			2 cm Muck (A10)	-
Histic E	pipedon (A2)		Strippe	ed Matrix (S6	)		Red Parent Mater	ial (TF2)
Black H			Loamy	Mucky Mine	ral (F1) (except N	ILRA 1)	Very Shallow Dar	Surface (TF12)
Hydroge	n Sulfide (A4)		Loamy	Gleyed Matr	rix (F2)		Other (Explain in	Remarks)
Deplete	d Below Dark Surfac	e (A11)	Deplete	ed Matrix (F3	3)			
Thick Da	ark Surface (A12)		X Redox	Dark Surface	e (F6)			
Sandy N	lucky Mineral (S1)		Deplete	ed Dark Surf	ace (F7)		<sup>3</sup> Indicators of hydrophy	tic vegetation and
Sandy G	leyed Matrix (S4)			Depressions			wetland hydrology n	lust be present,
							unless disturbed or	problematic.
Restrictive L	ayer (if present):							
Type:								
Depth(ir	ches):					Hydri	c Soil Present?	Yes X No
Remarks:								
A positive inc	lication of hydric soil	was observed	l.					
HYDROLOG	Y							
Wetland Hydr	ology Indicators:							
Primary Indic	ators (minimum of o	ne required; cl					Secondary Indicators (	
Surface	Water (A1)		Water-	Stained Leav	ves (B9) (except		Water-Stained Le	aves (B9) <b>(MLRA 1, 2,</b>
High Wa	ater Table (A2)		MLI	RA 1, 2, 4A,	and 4B)		4A, and 4B)	
Saturation	on (A3)			rust (B11)			Drainage Patterns	
	larks (B1)		Aquatio	c Invertebrate	es (B13)		Dry-Season Wate	
	nt Deposits (B2)		Hydrog	gen Sulfide O	dor (C1)		X Saturation Visible	on Aerial Imagery (C9)
X Drift Dep	oosits (B3)		X Oxidize	ed Rhizosphe	eres along Living I	Roots (C3)	X Geomorphic Posi	ion (D2)
Algal Ma	at or Crust (B4)		Presen	nce of Reduc	ed Iron (C4)		Shallow Aquitard	(D3)
Iron Dep	osits (B5)		Recent	t Iron Reduct	ion in Tilled Soils	(C6)	X FAC-Neutral Test	(D5)
Surface	Soil Cracks (B6)		Stunte	d or Stressed	d Plants (D1) <b>(LRF</b>	RA)	Raised Ant Moun	is (D6) <b>(LRR A)</b>
Inundati	on Visible on Aerial I	magery (B7)	Other (	Explain in Re	emarks)		Frost-Heave Hum	mocks (D7)
Sparsely	Vegetated Concave	e Surface (B8)						
Field Observ	ations:							
Surface Wate		No		oth (inches):				
Water Table	Present? Yes	No	X Dep	oth (inches):				
Saturation Pr		No	X Dep	oth (inches):	>20	Wetla	nd Hydrology Present?	Yes X No
(includes cap								
Describe Reco	rded Data (stream g	auge, monitor	ing well, aerial p	hotos, previo	ous inspections), if	available:		
Derrert								
Remarks:								
-	lication of wetland hy							
-	lication of wetland hy		bserved (at leas	st two second	ary indicators).			
Source of hyd	drology is the White	River.						
US Army Corps of	f Engineers						Western Mount	ains, Valleys, and Coast - Version 2.0