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memorandum

date July 26, 2023

to Shazaad Jarrahian, Capital Project Manager, King County Department of Natural Resources and

Parks

from Jessica Redman, PWS and Rachelle Tews

subject Marymoor Gateway Connector Trail Wetland Delineation

At the request of King County Department of Natural Resources and Parks (DNRP), ESA delineated and categorized wetlands at Marymoor Park, in Unincorporated King County adjacent to Redmond, Washington. The delineation is in support of DNRP's Marymoor Gateway Connector Trail Project (Project) in the northeast corner of Marymoor Park near the existing velodrome and climbing wall. The Project includes approximately one-third mile of new paved pedestrian and bicycle trail, a new plaza, pedestrian scale lighting, and installation of a new watermain utility line and connection to the existing park water system. Project work is proposed to occur east of the velodrome and extend south, just east of a parking lot, before connecting to the existing Marymoor Connector Trail. The purpose of the delineation was to assess if the proposed project would result in impacts to wetlands and/or their associated buffers. The maximum buffer width assigned to wetlands per KCC 21A.24.325.A.1 is 300 feet; therefore, the study area included areas within approximately 300 feet of the proposed project limits (**Figure 1**).

Methods

Prior to conducting the site assessment, ESA biologists reviewed several existing resources regarding the known presence of critical areas, listed species, and protected habitat, including:

- King County Interactive Mapping tool (iMap) (King County 2023).
- U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) Mapper (USFWS 2023).
- Natural Resources Conservation Service (NRCS), U.S. Department of Agriculture (USDA) Web Soil Survey (NRCS 2023).
- Washington Department of Fish and Wildlife (WDFW) Priority Habitats and Species (PHS) on the Web (WDFW 2023).
- Statewide Washington Integrated Fish Distribution (SWIFD) online mapping (NWIFC 2023).

Once on-site, ESA biologists assessed the study area for the presence of critical areas. If wetlands were observed, biologists identified the boundaries of wetlands using principles for identifying wetlands from the *U.S. Army Corps of Engineers Wetland Delineation Manual* (Environmental Laboratory 1987) and the regional *Supplement*

to the Corps of Engineers Wetland Delineation Manual; Western Mountains, Valleys, and Coast Region – Version 2.0 (USACE 2010). In places determined to have wetland characteristics based on the dominant plant species and evidence of hydric soils and hydrologic conditions, the wetland boundary was recorded using the ArcGIS Field Maps application on an Apple iPad paired with an Eos Arrow submeter GNSS receiver. Due to the potential of inadvertent discovery of culturally significant artifacts within the study area, any digging or ground disturbance needed to determine soil and hydrological conditions was performed with a cultural resources archaeologist present.

An assessment of each wetland's function was completed using the Washington State Wetland Rating System for Western Washington (Rating System) (Hruby 2014). The Rating System categorizes wetlands into four hierarchical categories (Categories I to IV) based on rarity, sensitivity to disturbance, and water quality, hydrologic, and habitat functions. King County has codified use of the Rating System (KCC 21A.24.318.B) and assigns standard wetland buffer widths based on wetland category and habitat score. Standard wetland buffer widths range from 25 feet to 300 feet (KCC 21A.24.325).

Results

Desktop Assessment

NWI maps two palustrine emergent (PEM) wetlands approximately 500 feet south of the proposed project. WDFW PHS mapping also shows these wetlands as PEM habitat (WDFW 2023). These wetlands are connected to a narrow riverine feature that extends north from a large wetland complex positioned at the north end of Lake Sammamish (USFWS 2023). Soils within the study area are mapped as Earlmont silt loam. This soil is poorly draining but not considered hydric (NRCS 2023).

SWIFD maps a Type F stream along the west side of the open-grass area, approximately 190 feet southwest of the proposed project. The stream originates just south of the NE Marymoor Way, flows south and eventually into the Sammamish River. The northern, approximately 115 feet of this stream is mapped as non-fish bearing (Type N) and the remainder is mapped as fish bearing (Type F) (NWIFC 2023). King County iMap also maps this feature as an unclassified stream; however, King County maps show it as originating approximately 0.2-mile south of the SWIFD Mapped stream.

Site Visit

Two wetlands (Wetlands B and C) were delineated in the vicinity of the proposed project. A summary of the delineated wetlands is presented in Table 1. **Figure 1** shows the delineated wetlands and location of data plots and is included at the end of this memorandum. Data forms are included in **Attachment A** and rating forms are included in **Attachment B**.

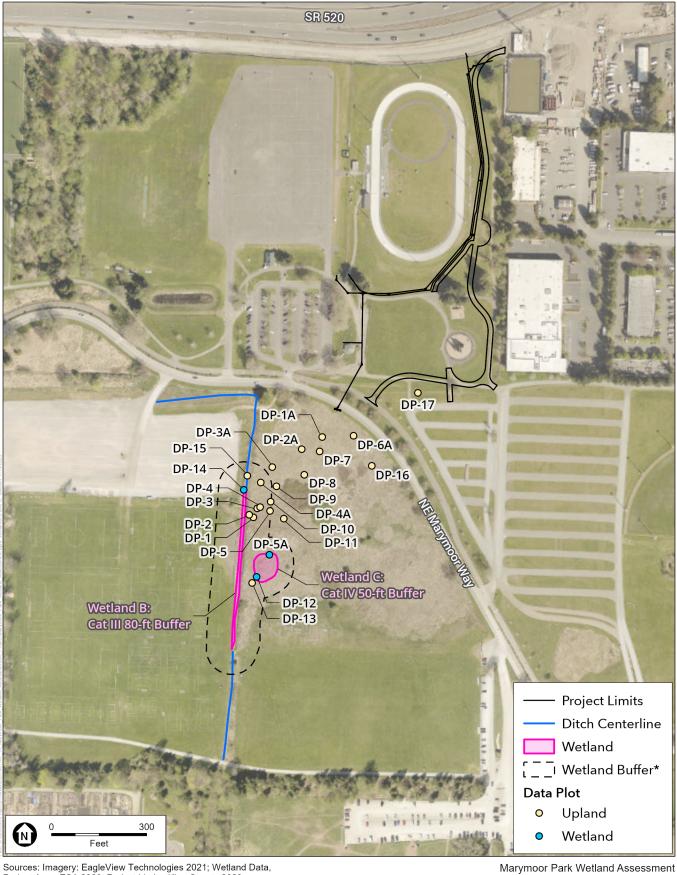
TABLE 1.
SUMMARY OF WETLAND TYPE, CATEGORY, AND BUFFER

Wetland	Wetland Cowardin Class		Category	Buffer (feet) ¹
Wetland B ²	PEM	Depressional	III	80
Wetland C	PEM	Depressional	IV	50

^{1.}Per KCC 21A.24.325 based on a "high impact land use."

No aquatic areas were identified within the study area. ESA evaluated the shallow depression near the southern extent of the proposed trail (**DP-17**; **Figure 1**). No culvert was observed in the western portion of this feature, and it was determined that this featured conveyed stormwater runoff from the Marymoor Connector Trail, located immediately to the west. This feature was largely vegetated with nonnative grasses and no flow was observed during the time of the site assessment. The hydrological source to this feature appears to be solely stormwater; and therefore, does not meet the definition of an aquatic area per KCC 21A.06.072C.B, which states aquatic areas do not include water features where the source of contributing water is entirely artificial. Additionally, a connection between this feature and a wetland and/or other aquatic area was not observed, and it is likely that this feature conveys stormwater to the east, away from the trail, where it eventually infiltrates into the ground.

^{2.} The western portion of Wetland B was estimated as part of an assessment of wetlands throughout the park for DNRP.



Sources: Imagery: EagleView Technologies 2021; Wetland Data, Project Area: ESA 2023; Project Limits: King County 2023

Figure 1 Wetlands B and C

*All buffer widths are determined using a "high intensity" adjacent land use per KCC 21A.24.325.A.1



Attachment A
Wetland Data
Forms

Project/Site: Marymoor Park WETLAND C:DPs 1-5,1A-6A, 7-1 Applicant/Owner: King County	3, 16, 17	City/County:	Redmond,	King County State: Washington	Sampling Date: Sampling Point:	5/10/2023 DP-1	3
Investigator(s): Jessica Redman, Maggie Bradshaw		Section, Township	, Range:	S12, T25N, R5E	_		
Landform (hillslope, terrace, etc.):		Local relief (concave, co	onvex, none): None		Slope (%): 0)
Subregion (LRR): LRR A	Lat: 47.6628	3004728		Long: -122.114054163		Datum: - WG	
Soil Map Unit Name: Earlmont silt loam				NWI classification:	None		
Are climatic / hydrologic conditions on the site typical for this time	e of year?	Yes	√ No	(If no, explain in Re	marks.)		
Are Vegetation no Soil no or Hydrology no sig	gnificantly dis	sturbed?	Are	"Normal Circumstances" pre	esent? Yes	√ No	
Are Vegetation no Soil no or Hydrology no na	turally probl	ematic?	(If needed	l, explain any answers in Rer	marks.)		
SUMMARY OF FINDINGS – Attach site map sho	wing sar	mpling point lo	cations,	transects, important	features, etc.		
Hydrophytic Vegetation Present? Yes <u>√</u> No							
Hydric Soil Present? Yes No	<u>/</u>		Sampled Ar		/		
Wetland Hydrology Present? Yes <u>✓</u> No		within	a Wetland?	? Yes	No <u>√</u>		
Remarks: VEGETATION – Use scientific names of plants.							
VEGETATION – Use scientific names of plants.							
Total Ottobardor (Plateines 20 K/ II)	Absolute	Dominant	Indicator	Dominance Test worksho			
Tree Stratum (Plot size: 30 ft/radius)	% Cover	Species?	Status	Number of Dominant Spec			(4)
1				That Are OBL, FACW, or F	-AC:	1	_ (A)
2				T (IN			
3				Total Number of Dominant		1	(D)
4				Species Across All Strata:		1	_ (B)
Sapling/Shrub Stratum (Plot size: 30 ft/radius)		= Total Cover		Percent of Dominant Spec	rice		
Sapiring/Stratum (Fiot Size. 30 It/laulus)				That Are OBL, FACW, or F		100	% (A/B)
1		· 		That Ale OBL, FACW, of F	-AC.	100	76 (A/D)
3.				Prevalence Index works	sheet:		
4.	-			Total % Cover		Multiply by:	
5.	-			OBL species	0 x	1= 0	_
		= Total Cover		FACW species	100 x	2= 200	_
Herb Stratum (Plot size: 5 ft/radius)		•		FAC species	0 x	3= 0	
1. Phalaris arundinacea	100	yes	FACW	FACU species	0 x	4= 0	
2.	-	·		UPL species	0 x	5=	_
3.	-	·		Column Totals:	100 (A)	200	(B)
4.					. ,		_``
5.				Prevalence Index =	B/A =	2	
6				Hydrophytic Vegetation	n Indicators:		
7				yes 1-Rapid Test For H	lydrophytic Vegetation	on	
8				yes 2-Dominance Test	is >50%		
9				yes 3-Prevalence Index	x is ≤3.0 ¹		
10 11					daptations ¹ (Provide or on a separate she		
Woody Vine Stratum (Plot size: 30)	100	_= Total Cover		5-Wetland Non-Va 6-Problematic Hyd	scular Plants ¹ rophytic Vegetation ¹	(Explain)	
1.				1 Indicators of hydric soil	and wetland hydrole	ogy must	
2.				be present, unless distu	•		
		= Total Cover		Hydrophytic			
% Bare Ground in Herb Stratum 0		-		Vegetation	Yes ✓	No	
, a Date Globald III Tield Gliddill				Present?			_
Remarks:							

SOIL Sampling Point: DP-1

epth Matrix		Redo	x Features				
nches) Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 3 7.5YR 3/2	100					Silt loam	
3 - 16 10YR 4/1	100					Silt loam	
 	· —						
- <u>-</u>			· ——				
			-				
- 							
			-				
- <u>- </u>			· ——				
/pe: C=Concentration, D=Depletion	RM-Reduced M	atrix CS-Covered or Coa	ted Sand Gr	ains ² l	ncation: PI	=Pore Lining, M=Matrix.	
ric Soil Indicators: (Applicable to		•	ica caria ci	airio. E		dicators for Problemati	_
Histosol (A1)	San	dy Redox (S5)				2 cm Muck (A10)	
Histic Epipedon (A2)		oped Matrix (S6)			_	Red Parent Material (T	·E3)
			veent MI D	. 4)	_	_	•
Black Histic (A3)		my Mucky Mineral (F1) (e.	kcept WLRA	A 1)	_	_Very Shallow Dark Sur	
Hydrogen Sulfide (A4)		my Gleyed Matrix (F2)			_	Other (Explain in Rema	arks)
Depleted Below Dark Surface	()	leted Matrix (F3)					
Thick Dark Surface (A12)		ox Dark Surface (F6)					
Sandy Mucky Mineral (S1)	Dep	leted Dark Surface (F7)			•		
Sandy Gleyed Matrix (S4)	Rec	ox Depressions (F8)					regetation and wetland hydrol
trictive Layer (if present):					mı	ust be present, unless dis	sturbed or problematic.
Type:							
Depth (inches):				Hydric	Soil Prese	ent? Ye	es No √
DROLOGY							
DROLOGY and Hydrology Indicators:	ed; check all that a	upply)_				Secondary Inc	dicators (2 or more required)
DROLOGY ad Hydrology Indicators:	ed; check all that a	upply) _Water-Stained Leaves (B9) (except	MLRA			dicators (2 or more required) Leaves (B9) (MLRA 1,
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DROLOGY Ind Hydrology Indicators: Indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Sparsely Vegetated Concave Surface Water Present? Interest Table Pr	gery (B7) rface (B8) no yes yes	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction in Stunted or Stressed Pla Other (Explain in Remain	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR ks)	Roots (C3 s (C6) R A)	/ /etland Hyd	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season Wasaturation Visit Geomorphic Poshallow Aquita FAC-Neutral Taken Ant Moshallow Hollow Prost-Heave Hollow	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) bestition (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)

Project/Site: Marymoor Park Applicant/Owner: King County	City/Co	eunty: Redmon	d, King County State: Washington	Sampling Date: Sampling Point:	5/10/2023 DP-2
Investigator(s): Jessica Redman, Maggie Bradshaw	Section	, Township, Range:	S12, T25N, R5E		<u> </u>
Landform (hillslope, terrace, etc.): Flat			convex, none): None		Slope (%): 0
	 _at: 47.6628202403	·	Long: -122.114110768		Datum: - WGS84
Soil Map Unit Name: Earlmont silt loam	-u. -11.0020202-00	'	NWI classification:	None	Datam. WOOO4
Are climatic / hydrologic conditions on the site typical for this time	of year?	Yes √ No			
			` ' '	•	√ No
	gnificantly disturbed		Are "Normal Circumstances" pro led, explain any answers in Rei		No
Are Vegetation <u>no</u> Soil <u>no</u> or Hydrology <u>no</u> na	turally problematic?	(ii need	led, explain any answers in Rei	narks.)	
SUMMARY OF FINDINGS – Attach site map sho	wing sampling	point locations	s, transects, important	features, etc.	
Hydrophytic Vegetation Present? Yes <u>√</u> No					
	<u> </u>	Is the Sampled		/	
Wetland Hydrology Present? Yes <u>✓</u> No		within a Wetlan	id? Yes	No <u>√</u>	
Remarks:					
VEGETATION – Use scientific names of plants.					
	Absolute Do	minant Indicator	r Dominance Test worksh	eet:	
Tree Stratum (Plot size: 30 ft/radius)	% Cover Sp	ecies? Status	Number of Dominant Spec	cies	
1.			That Are OBL, FACW, or I	FAC:	1 (A)
2.			-		
3.			Total Number of Dominan	t	
4.			Species Across All Strata:		1 (B)
		otal Cover	_		
Sapling/Shrub Stratum (Plot size: 30 ft/radius)			Percent of Dominant Spec	ies	
1.			That Are OBL, FACW, or I	FAC:	100 % (A/B)
2			_		
3.			Prevalence Index works	sheet:	
4			Total % Cover	of:	Multiply by:
5.			OBL species	0 x	1= 0
	= T	otal Cover	FACW species	100 x	2= 200
Herb Stratum (Plot size: 5 ft/radius)			FAC species	0 x	3= 0
1. Phalaris arundinacea	100	yes FACW	FACU species	0 x	4= 0
2.			UPL species	0 x	5=
3.			Column Totals:	100 (A)	200 (B)
4.			_		
5			Prevalence Index =		2
6			Hydrophytic Vegetation		
7			yes 1-Rapid Test For H		on
8			yes 2-Dominance Test		
9			yes 3-Prevalence Inde		
10				daptations ¹ (Provide or on a separate she	
··· <u> </u>	100 ₌ T	otal Cover	5-Wetland Non-Va	•	
Woody Vine Stratum (Plot size: 30)				rophytic Vegetation ¹	(Explain)
1.			1 Indicators of hydric soil	I and wetland hydrold	ogy must
2			be present, unless distu	-	
		otal Cover	Hydrophytic		
% Bare Ground in Herb Stratum 0			Vegetation	Yes ✓	No
			Present?		
Remarks:			•		

SOIL Sampling Point: DP-2 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Matrix (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks Silt loam 4 10YR 3/2 100 С PL 7.5YR 3/2 93 5YR 3/3 Silt loam 16 ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Sandy Redox (S5) Histosol (A1) 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) Loamy Gleyed Matrix (F2) Hydrogen Sulfide (A4) Other (Explain in Remarks) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) ³Indicators of hydrophytic vegetation and wetland hydrology Sandy Gleyed Matrix (S4) Redox Depressions (F8) must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches): **Hydric Soil Present?**

Redox too faint to meet F6; hue differs by one page and delta change in value is 0, delta change in chroma is 1, resulting in faint redox

HYDROLOGY

Remarks:

Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Marks (B1) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Field Observations: Surface Water Present? Ves Depth (Inches): Water Table Present? Depth (Inches): 11 Wetland Hydrology Present? Yes No No No No No No No No No N	land Hydrology Indicators: nary Indicators (minimum of one requi	red; check all that apply)		Secondary Ind	icators (2 or more required)
X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table (C2) Saturation (C1) Saturation Visible on Aerial Imagery (B7) Surface Soil Cracks (B8) Field Observations: Surface Water Present? Water Table Present? yes Depth (Inches): Depth (Inches): Saturation (B13) Aquatic Invertebrates (B13) Drin Deposits (B13) Drin Deposits (B13) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Field Observations: Surface Water Present? Water Table Present? yes Depth (Inches): Depth (Inches): Saturation Present? yes Depth (Inches): Saturation Present? yes Depth (Inches): 11 Wetland Hydrology Present? Yes No (includes capillary fringe)	Surface Water (A1)	Water-Stained Leaves (B9) (ex	xcept MLRA	Water-Stained	Leaves (B9) (MLRA 1,
Water Marks (B1) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Saturation Present? yes Depth (Inches): Inches): Depth (Inches): Depth (Inches): Depth (Inches): Depth (Inches): Depth (Inches): D	High Water Table (A2)	1, 2, 4A, and 4B)		2, 4A, and 4B)	
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Saturation Visible on Aerial Imagery (C9) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Depth (Inches): Depth (Inches): Depth (Inches): Depth (Inches): 16 Saturation Present? Yes ✓ No (includes capillary fringe)	X Saturation (A3)	Salt Crust (B11)		Drainage Patte	rns (B10)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Saturation Present? Seturation Present? Seturation Present? Surface Soil Cracks (B3) Oxidized Rhizospheres along Living Roots (C3) Shallow Aquitard (D3) FAC-Neutral Test (D5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Depth (Inches): Depth (Inches): Depth (Inches): Depth (Inches): 11 Wetland Hydrology Present? Yes ✓ No (includes capillary fringe)	Water Marks (B1)	Aquatic Invertebrates (B13)		Dry-Season Wa	ater Table (C2)
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Water Table Present? Water Table Present? Saturation Present? Saturation Present? Surface Water Present? Surface	Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)		Saturation Visib	ole on Aerial Imagery (C9)
Iron Deposits (B5)	Drift Deposits (B3)	Oxidized Rhizospheres along L	Living Roots (C3)	Geomorphic Po	sition (D2)
Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Frost-Heave Hummocks (D7) Surface Water Present? Water Table Present? Surface Water Present? Depth (Inches): Water Table Present? Saturation Present? Depth (Inches): Depth (Inches): 16 Saturation Present? Surface Water Pr	Algal Mat or Crust (B4)			Shallow Aquita	rd (D3)
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Saturation Present? yes Depth (Inches): Depth (Inches): 11 Wetland Hydrology Present? Yes No (includes capillary fringe)	Iron Deposits (B5)	Recent Iron Reduction in Tilled	Soils (C6)	FAC-Neutral Te	est (D5)
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Saturation Present? yes Depth (Inches): 11 Wetland Hydrology Present? Yes No (includes capillary fringe)	Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1	1) (LRR A)	Raised Ant Mou	unds (D6) (LRR A)
Surface Water Present? no Depth (Inches): Water Table Present? yes Depth (Inches): 16 Saturation Present? yes Depth (Inches): 11 Wetland Hydrology Present? Yes ✓ No (includes capillary fringe)		· · · · · · · · · · · · · · · · · · ·	<u>-</u> -	Frost-Heave Hu	ımmocks (D7)
Water Table Present? yes Depth (Inches): 16 Saturation Present? yes Depth (Inches): 11 Wetland Hydrology Present? Yes ✓ No (includes capillary fringe)	Field Observations:				
Saturation Present? yes Depth (Inches): 11 Wetland Hydrology Present? Yes ✓ No (includes capillary fringe)	Surface Water Present?	no Depth (Inches):			
(includes capillary fringe)	Water Table Present?	yes Depth (Inches):	16		,
	Saturation Present?	yes Depth (Inches):	11 Wetland Hydrol	ogy Present?	Yes <u>√</u> No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	(includes capillary fringe)				
	Describe Recorded Data (stream gau	ge, monitoring well, aerial photos, previous inspecti	ons), if available:		

Project/Site: Marymoor Park Applicant/Owner: King County	C	ty/County:	Redmond, I	King County State: Washington	Sampling Date: Sampling Point:	5/10/2023 DP-3	
Investigator(s): Jessica Redman, Maggie Bradshaw	S	ection, Township	, Range:	S12, T25N, R5E			
Landform (hillslope, terrace, etc.):	_			nvex, none): None		Slope (%): 0	
	 it: 47.662887	•	,	Long: -122.114005276		Datum: - WGS	
Soil Map Unit Name: Earlmont silt loam				NWI classification:	None		
Are climatic / hydrologic conditions on the site typical for this time of	of year?	Yes	√ No	(If no, explain in Rer	marks.)		
	ificantly distu	_		"Normal Circumstances" pre	•	✓ No	
	rally problem		(If needed	, explain any answers in Ren	narks.)		
SUMMARY OF FINDINGS – Attach site map show	ing samı/	oling point lo	cations,	transects, important	features, etc.		
Hydrophytic Vegetation Present? Yes ✓ No							
Hydric Soil Present? Yes ✓ No	_		Sampled Ar				
Wetland Hydrology Present? Yes No✓	_	within	a Wetland?	Yes	No <u>√</u>		
Remarks: VEGETATION – Use scientific names of plants.							
·				<u> </u>			
	Absolute	Dominant	Indicator	Dominance Test workshe			
	% Cover	Species?	Status	Number of Dominant Spec		1	(4)
1	 .			That Are OBL, FACW, or F	-AC.		(A)
2. 3.	 .			Total Number of Dominant			
3. 4.				Species Across All Strata:		1	(B)
		Total Cover		Opecies Across Air Otrata.			_ (D)
Sapling/Shrub Stratum (Plot size: 30 ft/radius)		Total Cover		Percent of Dominant Speci	ies		
1				That Are OBL, FACW, or F		100	% (A/B)
2.					,		70 (702)
3.				Prevalence Index works	sheet:		
4.				Total % Cover	of:	Multiply by:	
5.				OBL species	0 x	1= 0	_
	=	Total Cover		FACW species	100 x	2= 200	_
Herb Stratum (Plot size: 5 ft/radius)				FAC species	0 x	3= 0	_
1. Phalaris arundinacea	100	yes	FACW	FACU species	0 x	4= 0	_
2				UPL species	0 x	5=	_
3				Column Totals:	100 (A)	200	_(B)
4							
5	·			Prevalence Index =		2	
6				Hydrophytic Vegetation			
7				yes 1-Rapid Test For H		on	
8				yes 2-Dominance Test			
9				yes 3-Prevalence Index			
10					daptations ¹ (Provide or on a separate sh		
Woody Vine Stratum (Plot size: 30)	100 =	Total Cover		5-Wetland Non-Vas 6-Problematic Hydr	scular Plants ¹ rophytic Vegetation ¹	(Explain)	
1.				1 Indicators of hydric soil	and wetland hydrol	ogy must	
2.				be present, unless distu	-		
		Total Cover		Hydrophytic			
- 8 Bare Ground in Herb Stratum 0				Vegetation	Yes ✓	No	
				Present?			
Remarks:							

SOIL Sampling Point: DP-3

onth Motrix							
epth Matrix			x Features	- 1	2		
nches) Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 4 7.5YR 3/2	100	7.5/5.0/4	- —			Silt loam	
4 - 8 7.5YR 3/2	95	7.5YR 6/4	5	C	PL	Silt loam	
8 - 16 10YR 5/3	95	7.5YR 5/6	5	С	PL	Silt loam	
ype: C=Concentration, D=Depletion, RM=	=Reduced Matrix	k, CS=Covered or Coa	ited Sand Gr	ains. ² L		L=Pore Lining, M=Matrix.	-
dric Soil Indicators: (Applicable to all Li	RRs, unless oth	nerwise noted.)			In	dicators for Problematic	: Hydric Soils ³ :
Histosol (A1)	Sandy I	Redox (S5)				2 cm Muck (A10)	
Histic Epipedon (A2)		d Matrix (S6)				Red Parent Material (TF	=2)
Black Histic (A3)		Mucky Mineral (F1) (e :	xcent MIRA	\ 1)		Very Shallow Dark Surfa	,
Hydrogen Sulfide (A4)		Gleyed Matrix (F2)	ACCPL MENT	` ',	_	Other (Explain in Rema	•
		ed Matrix (F3)			_	_Other (Explain in Rema	iks)
Depleted Below Dark Surface (A11)		• •					
Thick Dark Surface (A12)		Dark Surface (F6)					
Sandy Mucky Mineral (S1)		ed Dark Surface (F7)			2.		
Sandy Gleyed Matrix (S4)	Redox	Depressions (F8)				ndicators of hydrophytic ve ust be present, unless dis	egetation and wetland hydrol
strictive Layer (if present):					- 111	ust be present, unless dis	iturbed of problematic.
Type:							
Depth (inches):				Hydric	Soil Pres	ent? Ye:	s √ No
meet F6 layer 4" thick within 12" of soil sur	rface with matrix	value greater than or	equal to 3, a	md chrom	a greater t	han or equal to 2 with 5 %	D or P mottles.
orks: meet F6 layer 4" thick within 12" of soil sur DROLOGY and Hydrology Indicators:	rface with matrix	value greater than or	equal to 3, a	md chrom	a greater t	han or equal to 2 with 5 %	D or P mottles.
meet F6 layer 4" thick within 12" of soil sur			equal to 3, a	md chrom	a greater t		D or P mottles.
meet F6 layer 4" thick within 12" of soil sur DROLOGY nd Hydrology Indicators:	neck all that appl				a greater t	Secondary Indi	
meet F6 layer 4" thick within 12" of soil sur DROLOGY nd Hydrology Indicators: ry Indicators (minimum of one required; ch	neck all that appl	y) <u> </u>			a greater t	Secondary Indi	icators (2 or more required)
DROLOGY nd Hydrology Indicators: ry Indicators (minimum of one required; ch Surface Water (A1) High Water Table (A2)	neck all that appl W	y)_ 'ater-Stained Leaves (2, 4A, and 4B)			a greater t	Secondary Indi	icators (2 or more required) _eaves (B9) (MLRA 1,
DROLOGY nd Hydrology Indicators: ry Indicators (minimum of one required; ch Surface Water (A1) High Water Table (A2) Saturation (A3)	neck all that appl W 1, Sa	y) /ater-Stained Leaves (2, 4A, and 4B) alt Crust (B11)	B9) (except		a greater t	Secondary Indi Water-Stained L 2, 4A, and 4B) Drainage Patter	icators (2 or more required) Leaves (B9) (MLRA 1,
DROLOGY Ind Hydrology Indicators: In Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	neck all that appl W S; Ar	y) /ater-Stained Leaves (2, 4A, and 4B) alt Crust (B11) quatic Invertebrates (B	B9) (except		a greater t	Secondary Indi Water-Stained L 2, 4A, and 4B) Drainage Patter Dry-Season Wa	icators (2 or more required) Leaves (B9) (MLRA 1, rns (B10) Iter Table (C2)
DROLOGY Ind Hydrology Indicators: Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	neck all that appl W 1, Si Ar H	y)_ /ater-Stained Leaves (2, 4A, and 4B) alt Crust (B11) quatic Invertebrates (B ydrogen Sulfide Odor (B9) (except 313) (C1)	MLRA		Secondary Indi Water-Stained L 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib	icators (2 or more required) Leaves (B9) (MLRA 1, rns (B10) Iter Table (C2) Ile on Aerial Imagery (C9)
DROLOGY Ind Hydrology Indicators: Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	neck all that appl W 1, Si Ai H: O	y) /ater-Stained Leaves (2, 4A, and 4B) alt Crust (B11) quatic Invertebrates (B ydrogen Sulfide Odor (xidized Rhizospheres	B9) (except 313) (C1) along Living	MLRA		Secondary Indi Water-Stained L 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po	icators (2 or more required) Leaves (B9) (MLRA 1, rns (B10) ster Table (C2) sle on Aerial Imagery (C9) sition (D2)
DROLOGY Ind Hydrology Indicators: Ty Indicators (minimum of one required; ch Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	neck all that appl W 1, Sa Ar Hr O	v) /ater-Stained Leaves (2, 4A, and 4B) alt Crust (B11) quatic Invertebrates (B ydrogen Sulfide Odor (xidized Rhizospheres resence of Reduced In	B9) (except B13) (C1) along Living on (C4)	MLRA Roots (C3		Secondary Indi Water-Stained L 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitan	icators (2 or more required) Leaves (B9) (MLRA 1, rns (B10) ther Table (C2) le on Aerial Imagery (C9) sition (D2) d (D3)
DROLOGY nd Hydrology Indicators: ry Indicators (minimum of one required; ch Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	neck all that appl — W 1, — Sa — Ad — H; — O — Pt — R	v) /ater-Stained Leaves (2, 4A, and 4B) alt Crust (B11) quatic Invertebrates (B ydrogen Sulfide Odor (xidized Rhizospheres resence of Reduced Ir ecent Iron Reduction in	B9) (except 313) (C1) along Living on (C4) n Tilled Soils	MLRA Roots (C3		Secondary Indi Water-Stained L 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te	icators (2 or more required) Leaves (B9) (MLRA 1, rns (B10) Iter Table (C2) Ile on Aerial Imagery (C9) sition (D2) d (D3) st (D5)
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Project/Site: Marymoor Park Applicant/Owner: King County	c	ity/County:	Redmond, I	King County State: Washington	Sampling Date: Sampling Point:	5/10/2023 DP-4	3
Investigator(s): Jessica Redman, Maggie Bradshaw	s	ection, Township	. Range:	S12, T25N, R5E			
Landform (hillslope, terrace, etc.):	_			nvex, none): None		Slope (%): 0)
	 it: 47.662883	•	,	Long: -122.113964089		Datum: - WG	
Soil Map Unit Name: Earlmont silt loam				NWI classification:	None		
Are climatic / hydrologic conditions on the site typical for this time of	of year?	Yes	√ No	(If no, explain in Rei	marks.)		
	ificantly distu	urbed?	Are	"Normal Circumstances" pre	esent? Yes	✓ No	
	rally problem		(If needed	, explain any answers in Rer	narks.)		
SUMMARY OF FINDINGS – Attach site map show	ving samı	oling point lo	cations,	transects, important	features, etc.		
Hydrophytic Vegetation Present? Yes ✓ No	_						
Hydric Soil Present? Yes ✓ No	_		Sampled Ar				
Wetland Hydrology Present? Yes No✓	_	within	a Wetland?	Yes	No <u>√</u>		
Remarks: VEGETATION – Use scientific names of plants.							
				<u> </u>			
	Absolute	Dominant Species 2	Indicator	Dominance Test worksho			
Tree Stratum (Plot size: 30 ft/radius) 1.	% Cover	Species?	Status	Number of Dominant Spec That Are OBL, FACW, or F		1	(A)
2.				That Ale OBE, I ACW, OI I	ΑΟ.		_ (^)
3.				Total Number of Dominant	}		
4.		_		Species Across All Strata:		1	(B)
		Total Cover					_ (-/
Sapling/Shrub Stratum (Plot size: 30 ft/radius)		10141 00101		Percent of Dominant Spec	ies		
1.				That Are OBL, FACW, or F		100	% (A/B)
2.				, ,			,
3.				Prevalence Index works	sheet:		
4				Total % Cover	of:	Multiply by:	_
5				OBL species	0 x	1= 0	_
	=	Total Cover		FACW species	100 x	2= 200	_
Herb Stratum (Plot size: 5 ft/radius)				FAC species	0 x	3= 0	_
1. Phalaris arundinacea	100	yes	FACW	FACU species	0 x	4= 0	_
2				UPL species	x	5=	_
3				Column Totals:	100 (A)	200	_(B)
4							
5				Prevalence Index =		2	
6				Hydrophytic Vegetation			
1				yes 1-Rapid Test For H		on	
8				yes 2-Dominance Test yes 3-Prevalence Index			
9					x is ≤3.0 daptations¹ (Provide	our porting	
11				data in Remarks	or on a separate she		
Woody Vine Stratum (Plot size: 30)	100 =	Total Cover		5-Wetland Non-Va: 6-Problematic Hydi	scular Plants ¹ rophytic Vegetation ¹	(Explain)	
1				1 Indicators of hydric soil	and wetland hydrolo	ogy must	
2				be present, unless distu	rbed or problematic.		
	=	Total Cover		Hydrophytic			
% Bare Ground in Herb Stratum 0				Vegetation Present?	Yes <u>√</u>	No	_
Remarks:							

SOIL Sampling Point: DP-4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

					the absen			
Depth	Matrix		Redo	x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	10YR 3/2	100					Silt loam	
4 - 9	10YR 3/3	100					Silt loam	
9 - 14	10YR 6/2	95	10YR 5/8	5			Silt loam	
<u> 14 - 16 </u>	2.5Y 6/2	100					Silt loam	
¹ Type: C=Conce	ntration, D=Depletion, R	RM=Reduced Ma	atrix, CS=Covered or Coa	ted Sand Gi	ains. ² L	ocation: F	PL=Pore Lining, M=Matrix.	
Hydric Soil Indica	tors: (Applicable to al	II LRRs, unless	otherwise noted.)			lı	ndicators for Problemation	: Hydric Soils ³ :
Histosol (A	1)	Sand	dy Redox (S5)				2 cm Muck (A10)	
Histic Epipe			ped Matrix (S6)			_	Red Parent Material (TI	F2)
Black Histic			ny Mucky Mineral (F1) (e :	cent MLR	\ 1)	_	Very Shallow Dark Surf	,
Hydrogen S			ny Gleyed Matrix (F2)		,	_	Other (Explain in Rema	·
	Below Dark Surface (A1		eted Matrix (F3)			_	Other (Explain in Rema	iiio)
	rk Surface (A12)	··/	ox Dark Surface (F6)					
	icky Mineral (S1)		eted Dark Surface (F7)					
	eyed Matrix (S4)					3	Indicators of hydrophytic vi	egetation and wetland hydrology
Sandy Gi	eyed Matrix (54)	Redu	ox Depressions (F8)				nust be present, unless dis	
Restrictive Layer	(if present):							
Type:								,
Depth (in	ches):				Hydric	Soil Pres	sent? Ye	sNo
HYDROLOGY Vetland Hydrology	Indicators:							
Wetland Hydrology	Indicators: inimum of one required;	; check all that a	pply)_				Secondary Ind	icators (2 or more required)
Vetland Hydrology	inimum of one required;	; check all that a	pply) _Water-Stained Leaves (i	B9) (except	MLRA			iicators (2 or more required) Leaves (B9) (MLRA 1,
Vetland Hydrology Primary Indicators (m	ninimum of one required; nter (A1)	; check all that a		B9) (except	MLRA			
Vetland Hydrology Primary Indicators (m	ninimum of one required; nter (A1) Table (A2)	; check all that a	Water-Stained Leaves (B9) (except	MLRA		Water-Stained I	Leaves (B9) (MLRA 1,
Vetland Hydrology Primary Indicators (m Surface Wa High Water	iinimum of one required; iter (A1) Table (A2) A3)	; check all that a	Water-Stained Leaves (MLRA		Water-Stained I	Leaves (B9) (MLRA 1 , ms (B10)
Primary Indicators (m Surface Wa High Water Saturation (Water Mark	iinimum of one required; iter (A1) Table (A2) A3)	; check all that a	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11)	13)	MLRA		Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa	Leaves (B9) (MLRA 1, ms (B10)
Vetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos	ninimum of one required; uter (A1) Table (A2) A3) s (B1) reposits (B2) uter (B3)	; check all that a	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B	13) C1)		3)	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Water Saturation Visib Geomorphic Po	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2)
Vetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o	ninimum of one required; Iter (A1) Table (A2) A3) s (B1) Iteposits (B2) its (B3) r Crust (B4)	; check all that a	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (13) C1) along Living		3)	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2)
Vetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos	ninimum of one required; Iter (A1) Table (A2) A3) s (B1) Iteposits (B2) its (B3) r Crust (B4)	; check all that a	Water-Stained Leaves (Inc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (Belling of the Market of the	13) C1) along Living on (C4) n Tilled Soils	Roots (C3	3)	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Water Saturation Visib Geomorphic Poth	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3) est (D5)
Vetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi	ninimum of one required; Iter (A1) Table (A2) A3) s (B1) Iteposits (B2) its (B3) r Crust (B4)	; check all that a	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres Presence of Reduced In	13) C1) along Living on (C4) n Tilled Soils	Roots (C3	3)	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Water Saturation Visib Geomorphic Poth	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3)
Vetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi	inimum of one required; tter (A1) Table (A2) A3) s (B1) reposits (B2) tts (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagen	y (B7)	Water-Stained Leaves (Inc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (Belling of the Market of the	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Water Saturation Visib Geomorphic Poth	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3) est (D5) unds (D6) (LRR A)
Vetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation	ninimum of one required; Iter (A1) Table (A2) A3) Is (B1) Iterposits (B2) Its (B3) Its (B4) Its (B5) I Cracks (B6)	y (B7)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction in Stunted or Stressed Pla	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation S	inimum of one required; iter (A1) Table (A2) A3) s (B1) eposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagery egetated Concave Surface	y (B7)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction in Stunted or Stressed Pla	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3) est (D5) unds (D6) (LRR A)
Vetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation	inimum of one required; iter (A1) Table (A2) A3) s (B1) eposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imager, egetated Concave Surface	y (B7)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction in Stunted or Stressed Pla	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3) est (D5) unds (D6) (LRR A)
Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation S Sparsely Ve	inimum of one required; iter (A1) Table (A2) A3) s (B1) reposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagery regetated Concave Surface	y (B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction in Stunted or Stressed Pla Other (Explain in Remar	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation (Sparsely Ve	inimum of one required; iter (A1) Table (A2) A3) is (B1) ieposits (B2) its (B3) ir Crust (B4) its (B5) I Cracks (B6) Visible on Aerial Imagery egetated Concave Surfaces iesent? n years	y (B7) ce (B8)	Water-Stained Leaves (Inc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (Bernard Revenue of Reduced Inc. 1, 2, 4A, and 4B) Aquatic Invertebrates (Bernard Revenue of Reduced Inc. 1, 2, 2, 3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR ks)	Roots (C3 s (C6) R A)	,	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation (Sparsely Ve Field Observation Water Table Prese	inimum of one required; iter (A1) Table (A2) A3) s (B1) ieposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagen, egetated Concave Surface iesent? in Seent? in Seent? in Seent? its (B4) its (B5) its	y (B7) ce (B8)	Water-Stained Leaves (Interpretation of the Country	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR	Roots (C3 s (C6) R A)	,	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) astition (D2) rd (D3) ast (D5) ands (D6) (LRR A) ammocks (D7)
Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation Sparsely Ve Field Observatio Surface Water Prese Saturation Prese (includes capillar	inimum of one required; iter (A1) Table (A2) A3) s (B1) ieposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagen, egetated Concave Surface iesent? iesent? int? y fringe)	y (B7) ce (B8)	Water-Stained Leaves (Interpretation of the Country	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR ks)	Roots (C3 s (C6) R A)	/ /etland H	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) astition (D2) rd (D3) ast (D5) ands (D6) (LRR A) ammocks (D7)
Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation Sparsely Ve Field Observatio Surface Water Prese Saturation Prese (includes capillar	inimum of one required; iter (A1) Table (A2) A3) s (B1) ieposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagen, egetated Concave Surface iesent? iesent? int? y fringe)	y (B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres I Presence of Reduced Interest Iron Reduction in Stunted or Stressed Pla Other (Explain in Reman	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR ks)	Roots (C3 s (C6) R A)	/ /etland H	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) astition (D2) rd (D3) ast (D5) ands (D6) (LRR A) ammocks (D7)
Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation S Sparsely Ve Field Observatic Surface Water P Water Table Pres Saturation Prese (includes capillar Describe Record	inimum of one required; iter (A1) Table (A2) A3) s (B1) ieposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagen, egetated Concave Surface iesent? iesent? int? y fringe)	y (B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres I Presence of Reduced Interest Iron Reduction in Stunted or Stressed Pla Other (Explain in Reman	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR ks)	Roots (C3 s (C6) R A)	/ /etland H	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) astition (D2) rd (D3) ast (D5) ands (D6) (LRR A) ammocks (D7)
Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation S Sparsely Ve Field Observatic Surface Water P Water Table Pres Saturation Prese (includes capillar Describe Record	inimum of one required; iter (A1) Table (A2) A3) s (B1) ieposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagen, egetated Concave Surface iesent? iesent? int? y fringe)	y (B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres I Presence of Reduced Interest Iron Reduction in Stunted or Stressed Pla Other (Explain in Reman	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR ks)	Roots (C3 s (C6) R A)	/ /etland H	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) astition (D2) rd (D3) ast (D5) ands (D6) (LRR A) ammocks (D7)
Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation S Sparsely Ve Field Observatic Surface Water P Water Table Pres Saturation Prese (includes capillar Describe Record	inimum of one required; iter (A1) Table (A2) A3) s (B1) ieposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagen, egetated Concave Surface iesent? iesent? int? y fringe)	y (B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres I Presence of Reduced Interest Iron Reduction in Stunted or Stressed Pla Other (Explain in Reman	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR ks)	Roots (C3 s (C6) R A)	/ /etland H	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) astition (D2) rd (D3) ast (D5) ands (D6) (LRR A) ammocks (D7)
Primary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation Sparsely Ve Field Observation Surface Water Prese Saturation Prese (includes capillar	inimum of one required; iter (A1) Table (A2) A3) s (B1) ieposits (B2) its (B3) r Crust (B4) ts (B5) I Cracks (B6) Visible on Aerial Imagen, egetated Concave Surface iesent? iesent? int? y fringe)	y (B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres I Presence of Reduced Interest Iron Reduction in Stunted or Stressed Pla Other (Explain in Reman	13) C1) along Living on (C4) n Tilled Soils nts (D1) (LR ks)	Roots (C3 s (C6) R A)	/ /etland H	Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) estition (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)

Project/Site: Marymoor Park Applicant/Owner: King County	c	City/County:	Redmond, I	King County State: Washington	Sampling Date: Sampling Point:	5/10/2023 DP-5	3
Investigator(s): Jessica Redman, Maggie Bradshaw		Section, Township	. Range:	S12, T25N, R5E			
Landform (hillslope, terrace, etc.):				nvex, none): None		Slope (%): 0)
	at: 47.66286	•	,	Long: -122.113836494		Datum: - WG	
Soil Map Unit Name: Earlmont silt loam				NWI classification:	: None		
Are climatic / hydrologic conditions on the site typical for this time	of year?	Yes	√ No	(If no, explain in Re	emarks.)		
	nificantly dist	_		"Normal Circumstances" pro	•	✓ No	
	urally probler		(If needed	, explain any answers in Rei	marks.)		
SUMMARY OF FINDINGS – Attach site map show	wing sam	pling point lo	cations,	transects, important	features, etc.		
Hydrophytic Vegetation Present? Yes <u>√</u> No	_						
Hydric Soil Present? Yes No✓	<u> </u>		Sampled Ar		,		
Wetland Hydrology Present? Yes <u>√</u> No	_	within	a Wetland?	Yes	No <u>✓</u>		
Remarks: VEGETATION – Use scientific names of plants.							
VEGETATION – Use scientific flames of plants.							
Tree Stratum (Plot size: 30 ft/radius)	Absolute	Dominant	Indicator	Dominance Test worksh			
Tree Stratum (Plot size: 30 ft/radius) 1.	% Cover	Species?	Status	Number of Dominant Spec That Are OBL, FACW, or I		1	(4)
				That Are OBL, FACW, or i	FAC.		_ (A)
2. 3.				Total Number of Dominan	ıt.		
4.				Species Across All Strata:		1	(B)
" 		Total Cover		oposios / toroso / tir Otrata.		•	_ (5)
Sapling/Shrub Stratum (Plot size: 30 ft/radius)		Total Cover		Percent of Dominant Spec	cies		
1.				That Are OBL, FACW, or I		100	% (A/B)
2							, ,
3.				Prevalence Index works	sheet:		
4.				Total % Cover	r of:	Multiply by:	
5				OBL species	0 x	1= 0	_
	=	Total Cover		FACW species	100 x	2= 200	_
Herb Stratum (Plot size: 5 ft/radius)				FAC species	0 x	3= 0	_
1. Phalaris arundinacea	100	yes	FACW	FACU species	0 x	4= 0	_
2				UPL species	0 x	5=	_
3				Column Totals:	100 (A)	200	(B)
4							
5				Prevalence Index =		2	
6				Hydrophytic Vegetation			
7				yes 1-Rapid Test For H		on	
8				yes 2-Dominance Test			
9				yes 3-Prevalence Inde			
11					daptations ¹ (Provide or on a separate she		
Woody Vine Stratum (Plot size: 30)	100 =	: Total Cover		5-Wetland Non-Va 6-Problematic Hyd	ascular Plants ¹ drophytic Vegetation ¹	(Explain)	
1.				1 Indicators of hydric soil	I and wetland hydrole	ogy must	
2.				be present, unless distu	urbed or problematic		
		Total Cover		Hydrophytic			
% Bare Ground in Herb Stratum 0				Vegetation	Yes ✓	No	
				Present?			
Remarks:							

SOIL Sampling Point: DP-5

Profile	Descript	on: (Describe to t	he depth needed t	o document the indicator	or confirm t	he abse	nce of indic	ators.)	
Depth		Mat	rix	Redox	Features				
(inches	s)	Color (moist)	%_	Color (moist)	%	_Type ¹	Loc ²	Texture	Remarks
0	- 4	7.5YR 3/2	100					Silt loam	
4	- 11	7.5YR 4/2	100					Silt loam	
11	- 16	10YR 5/2	93	10YR 5/8	7	С	PL	Silt loam	
				-				-	
			_						
		•		Matrix, CS=Covered or Coat	ed Sand Gra	ains. ²		=Pore Lining, M=Matrix.	
Hydric S	Soil Indic	ators: (Applicable	to all LRRs, unles	ss otherwise noted.)			Inc	dicators for Problemation	Hydric Soils*:
н	istosol (A	1)	Sa	andy Redox (S5)				2 cm Muck (A10)	
н	istic Epip	edon (A2)	St	ripped Matrix (S6)				_Red Parent Material (TI	=2)
В	lack Histi	c (A3)	Lc	amy Mucky Mineral (F1) (ex	cept MLRA	.1)		Very Shallow Dark Surf	ace (TF12)
н	ydrogen	Sulfide (A4)	Lc	amy Gleyed Matrix (F2)				Other (Explain in Rema	rks)
	Depleted	Below Dark Surfac	ce (A11) De	epleted Matrix (F3)				_	
	Thick Da	ark Surface (A12)	Re	edox Dark Surface (F6)					
	Sandy M	ucky Mineral (S1)	De	epleted Dark Surface (F7)					
	Sandy G	leyed Matrix (S4)	Re	edox Depressions (F8)					egetation and wetland hydrology
Postriot	ivo I avo	(if procent):				1	mı	ust be present, unless dis	turbed or problematic.
	т че сауе г уре:	(if present):							
1.	Depth (ir	ochoe).				Hydri	c Soil Prese	ent? Ye	s No √
Remarks:	Doptii (ii		-			IIyuii	0 0011 1030		
	ydrology	Indicators:							
Primary Inc	dicators (r	ninimum of one req	uired; check all that	t apply)				Secondary Ind	icators (2 or more required)
s	urface W	ater (A1)	_	Water-Stained Leaves (E	39) (except	MLRA		Water-Stained I	_eaves (B9) (MLRA 1,
н	igh Wate	r Table (A2)		1, 2, 4A, and 4B)				2, 4A, and 4B)	
X_S	aturation	(A3)	_	Salt Crust (B11)				Drainage Patter	ns (B10)
	/ater Mar		_	Aquatic Invertebrates (B	-			Dry-Season Wa	iter Table (C2)
		Deposits (B2)	_	Hydrogen Sulfide Odor (,				le on Aerial Imagery (C9)
	rift Depos	` '	_	Oxidized Rhizospheres a	0 0	Roots (C	23)	Geomorphic Po	, ,
	-	or Crust (B4)	_	Presence of Reduced Iro		(0.0)		Shallow Aquitar	
	on Depos	` '	_	Recent Iron Reduction in		` '		FAC-Neutral Te	
		oil Cracks (B6)		Stunted or Stressed Plan	. , .	K A)			inds (D6) (LRR A)
		Visible on Aerial Im egetated Concave	<u> </u>	Other (Explain in Remark	(S)			Frost-Heave Hu	immocks (D7)
	,	-9							
Field C	bservati	ons:							
Surface	e Water F	resent?	no	Depth (Inches):		_			
Water ⁻	Table Pre	sent?	yes	Depth (Inches):	12	_			
	tion Prese		yes	Depth (Inches):	9	_	Wetland Hyd	drology Present?	Yes <u> </u>
-	es capilla	• • •							
Describ	e Record	ied Data (stream ga	luge, monitoring we	ell, aerial photos, previous in	spections), i	t availab	ole:		
Domorko									
Remarks:									

Project/Site: Marymoor Park	City/County:	King Count	ty	Sampling I	Date:	5/11/2023	3
Applicant/Owner: King County Parks WETLAND C			State: Wa	shington Sampling I	Point:	DP-5A	
Investigator(s): Jessica Redman	Section, Townsh	ip, Range:	S12, T25	5N, R5E			
Landform (hillslope, terrace, etc.): Depression	Local relie	f (concave, co	onvex, none): Cor	ncave	S	Slope (%): 2	2
Subregion (LRR): LRR A Lat	47.6625191667		Long: -122.11	38455	Datum: - V	NGS84	
Soil Map Unit Name: Earlmont silt loam			NWI cla	assification: None			
Are climatic / hydrologic conditions on the site typical for this time of	f year? Yes	<u> </u>	<u>N</u> o (lf no, explain in Remarks	s.)		
Are Vegetation <u>no</u> Soil <u>no</u> or Hydrology <u>no</u> signif	icantly disturbed?	,	Are "Normal Circu	ımstances" present?	Yes	✓ No	
Are Vegetation no Soil no or Hydrology no natur	ally problematic?	(If need	ded, explain any a	answers in Remarks.)			
SUMMARY OF FINDINGS – Attach site map show	ing sampling point	locations,	transects, in	nportant features,	etc.		
Hydrophytic Vegetation Present? Yes ✓ No			·	<u>- </u>			
Hydric Soil Present? Yes ✓ No	- Is the	e Sampled Ar	rea				
Wetland Hydrology Present? Yes Vo	– withi	in a Wetland?	? Yes	√ No			
Remarks:	_						
ivernairo.							
VEGETATION – Use scientific names of plants.							
, A	Absolute Dominant	Indicator	Dominance Te	st worksheet:			
Tree Stratum (Plot size: 30 ft/radius)	% Cover Species?	Status	Number of Don	ninant Species			
1			That Are OBL,	FACW, or FAC:		1	(A)
2.							
3			Total Number of	of Dominant			
4			Species Across	s All Strata:	_	1	(B)
	= Total Cove	er					
Sapling/Shrub Stratum (Plot size: 30 ft/radius)			Percent of Dom	· ·			
<u> </u>			That Are OBL,	FACW, or FAC:	_	100	% (A/B)
2. 3.			Provalence In	ndex worksheet:			
				al % Cover of:	Mı	ultiply by:	
5.			OBL species	ar 70 00 01.	x 1=		_
	= Total Cove		FACW species	100	•	= 200	_
Herb Stratum (Plot size: 5 ft/radius)			FAC species		x 3=		_
Phalaris arundinacea	100 yes	FACW	FACU species	-	x 4=		_
2.			UPL species		x 5=		_
3.			Column Totals:	100	(A)	200	_ _(B)
4					. ,		_ ` ′
5.			Prevaler	ice Index = B/A =		2	
6			Hydrophytic	Vegetation Indicators:			
7			<u>yes</u> 1-Rapid	Test For Hydrophytic Ve	egetation		
8				nance Test is >50%			
9				lence Index is ≤3.0 ¹			
10				nological Adaptations ¹ (F			
11			data ii	n Remarks or on a separ	rate sheet))	
<u>_</u>	100 = Total Cove	er		nd Non-Vascular Plants			
Woody Vine Stratum (Plot size: 30)				ematic Hydrophytic Vege			
1			¹ Indicators of	f hydric soil and wetland	hydrology	must	
2			be present, ι	ınless disturbed or probl	ematic.		
_	= Total Cove	er	Hydrophytic				
% Bare Ground in Herb Stratum			Vegetation	Yes	<u> </u>	No	_
Domoska			Present?				
Remarks:							

SOIL Sampling Point: DP-5A

Depth (inches) 0 - 4 4 - 9 9 - 18	Matrix					ce of indica		
0 - 4 - 9				Features	- 1			
4 - 9	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
	7.5YR 3/2	100	7.5VD 4/0	45			Silt loam	
<u>9 - 18 </u>	7.5YR 3/2	85	7.5YR 4/3	15	<u>C</u>	PL	Silt loam	
<u> </u>	10YR 4/1	97	7.5YR 4/6	3	С	PL	Silt Loam	
-								
¹ Type: C=Concentr	ration, D=Depletion, R	M=Reduced Ma	trix, CS=Covered or Coat	ed Sand Gra	ains. ² L	ocation: PL:	=Pore Lining, M=Matrix.	
Hydric Soil Indicator	rs: (Applicable to all	LRRs, unless	otherwise noted.)			Ind	licators for Problematic	Hydric Soils ³ :
Histosol (A1)		Sand	ly Redox (S5)				2 cm Muck (A10)	
Histic Epipedo	on (A2)		ped Matrix (S6)				Red Parent Material (TF	· · · · · · · · · · · · · · · · · · ·
Black Histic (A			ny Mucky Mineral (F1) (e)	cent MI RA	1)		Very Shallow Dark Surfa	•
Hydrogen Sulf	,		ny Gleyed Matrix (F2)	oopt men.	•,		Other (Explain in Remai	·
			eted Matrix (F3)			_	Other (Explain in Kemai	KS)
	elow Dark Surface (A1	.,	• •					
	Surface (A12)		ox Dark Surface (F6)					
	y Mineral (S1)		eted Dark Surface (F7)			310	diactors of budrophytic ve	actation and watland hydrology
Sandy Gleye	ed Matrix (S4)	Redo	x Depressions (F8)				st be present, unless dis	getation and wetland hydrology turbed or problematic.
Restrictive Layer (if	present):						,	
Type:								
Depth (inche	es):	<u> </u>			Hydric	Soil Prese	nt? Yes	s √ No
HYDROLOGY	diantara							
Netland Hydrology Ind Primary Indicators (mini		check all that ap	oply)_				Secondary Indi	cators (2 or more required)
Surface Water			Water-Stained Leaves (E	39) (except	MLRA		Water-Stained L	eaves (B9) (MLRA 1,
X High Water Ta	• •		1, 2, 4A, and 4B)	-, (2, 4A, and 4B)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
X Saturation (A3			Salt Crust (B11)				Drainage Patter	ns (R10)
Water Marks (,		Aquatic Invertebrates (B	12)			Dry-Season Wa	
	•		Hydrogen Sulfide Odor (-				,
Sodiment Den				J 1)			Saturation visible	
Sediment Dep	(D3)			•	Poots (C3	2)	Goomorphic Por	e on Aerial Imagery (C9)
Drift Deposits	trust (B4)		Oxidized Rhizospheres a	long Living	Roots (C3	3)	Geomorphic Pos	sition (D2)
Drift Deposits Algal Mat or C			Presence of Reduced Iro	along Living on (C4)		3)	Shallow Aquitare	sition (D2) d (D3)
Drift Deposits Algal Mat or C Iron Deposits ((B5)	_	Presence of Reduced Iro Recent Iron Reduction in	along Living on (C4) Tilled Soils	(C6)	3)	Shallow Aquitare FAC-Neutral Tes	sition (D2) d (D3) st (D5)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C	(B5) Cracks (B6)	(B7)	Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan	along Living on (C4) Tilled Soils ots (D1) (LRI	(C6)	3)	Shallow Aquitare FAC-Neutral Tee Raised Ant Mou	sition (D2) d (D3) st (D5) nds (D6) (LRR A)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis	(B5)		Presence of Reduced Iro Recent Iron Reduction in	along Living on (C4) Tilled Soils ots (D1) (LRI	(C6)	3)	Shallow Aquitare FAC-Neutral Tes	sition (D2) d (D3) st (D5) nds (D6) (LRR A)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis	(B5) Cracks (B6) Lible on Aerial Imagery etated Concave Surface		Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan	along Living on (C4) Tilled Soils ots (D1) (LRI	(C6)	3)	Shallow Aquitare FAC-Neutral Tee Raised Ant Mou	sition (D2) d (D3) st (D5) nds (D6) (LRR A)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege	(B5) Cracks (B6) cible on Aerial Imagery etated Concave Surface	ce (B8)	Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan	along Living on (C4) Tilled Soils ots (D1) (LRI	(C6)	3)	Shallow Aquitare FAC-Neutral Tee Raised Ant Mou	sition (D2) d (D3) st (D5) nds (D6) (LRR A)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege	(B5) Cracks (B6) C	ce (B8)	Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark	along Living in (C4) Tilled Soils this (D1) (LRI	(C6)	3)	Shallow Aquitare FAC-Neutral Tee Raised Ant Mou	sition (D2) d (D3) st (D5) nds (D6) (LRR A) mmocks (D7)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Pres	(B5) cracks (B6) cible on Aerial Imagery etated Concave Surface s: ent? ye	ce (B8)	Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark Depth (Inches):	along Living in (C4) Tilled Soils ats (D1) (LRI	(C6) R A)		Shallow Aquitare FAC-Neutral Tee Raised Ant Mou	sition (D2) d (D3) st (D5) nds (D6) (LRR A)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Presen	(B5) Cracks (B6) Sible on Aerial Imagery etated Concave Surface S: eent? nt? ye ye	ce (B8)	Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark Depth (Inches): Depth (Inches):	along Living in (C4) Tilled Soils this (D1) (LRI	(C6) R A)		Shallow Aquitard FAC-Neutral Tele Raised Ant Mou Frost-Heave Hu	sition (D2) d (D3) st (D5) nds (D6) (LRR A) mmocks (D7)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Pres Water Table Present Saturation Present? (includes capillary free	(B5) Cracks (B6) Sible on Aerial Imagery etated Concave Surface S: eent? nt? ye ye ringe)	o ss	Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark Depth (Inches): Depth (Inches):	ulong Living in (C4) Tilled Soils its (D1) (LRI	(C6) R A)	/etland Hyd	Shallow Aquitard FAC-Neutral Tele Raised Ant Mou Frost-Heave Hu	sition (D2) d (D3) st (D5) nds (D6) (LRR A) mmocks (D7)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Prese Water Table Present Saturation Present? (includes capillary fr Describe Recorded	(B5) Cracks (B6) Sible on Aerial Imagery etated Concave Surface S: eent? nt? ye ye ringe)	o ss	Presence of Reduced Irc Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark Depth (Inches): Depth (Inches): Depth (Inches):	ulong Living in (C4) Tilled Soils its (D1) (LRI	(C6) R A)	/etland Hyd	Shallow Aquitard FAC-Neutral Tele Raised Ant Mou Frost-Heave Hu	sition (D2) d (D3) st (D5) nds (D6) (LRR A) mmocks (D7)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Pres Water Table Present Saturation Present? (includes capillary free	(B5) Cracks (B6) Sible on Aerial Imagery etated Concave Surface S: eent? nt? ye ye ringe)	o ss	Presence of Reduced Irc Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark Depth (Inches): Depth (Inches): Depth (Inches):	ulong Living in (C4) Tilled Soils its (D1) (LRI	(C6) R A)	/etland Hyd	Shallow Aquitard FAC-Neutral Tele Raised Ant Mou Frost-Heave Hu	sition (D2) d (D3) st (D5) nds (D6) (LRR A) mmocks (D7)
Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Present Water Table Present Saturation Present? (includes capillary fr Describe Recorded	(B5) Cracks (B6) Sible on Aerial Imagery etated Concave Surface S: eent? nt? ye ye ringe)	o ss	Presence of Reduced Irc Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark Depth (Inches): Depth (Inches): Depth (Inches):	ulong Living in (C4) Tilled Soils its (D1) (LRI	(C6) R A)	/etland Hyd	Shallow Aquitard FAC-Neutral Tele Raised Ant Mou Frost-Heave Hu	sition (D2) d (D3) st (D5) nds (D6) (LRR A) mmocks (D7)

Project/Site: Marymoor Park Applicant/Owner: King County	City/County:	King County	State: Washington	Sampling Date: Sampling Point:	5/11/2023 DP-6A	3
Investigator(s): Jessica Redman	Section, Towns	ship, Range:	S12, T25N, R5E	_	<u>-</u>	
Landform (hillslope, terrace, etc.):	Local rel	ief (concave, con	vex, none): Concave		Slope (%): 3	
Subregion (LRR): LRR A	at: 47.663544193		Long: -122.112763608		Datum: - WGS	S84
Soil Map Unit Name: Earlmont silt loam			NWI classification:	None		
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes	s <u>√</u> No	(If no, explain in Re	marks.)		
Are Vegetation no Soil no or Hydrology no sig	nificantly disturbed?	Are "	— Normal Circumstances" pre	esent? Yes	√ No	
Are Vegetation no Soil no or Hydrology no na	turally problematic?	(If needed,	explain any answers in Rer	narks.)		
SUMMARY OF FINDINGS – Attach site map sho	wing sampling poin	t locations, t	ransects, important	features, etc.		
Hydrophytic Vegetation Present? Yes ✓ No						
Tryullo con i resent:	/	the Sampled Are	a			
Wetland Hydrology Present? Yes No	<u>wit</u>	thin a Wetland?	Yes	No <u>√</u>		
Remarks:						
VEGETATION – Use scientific names of plants.		Т				
	Absolute Dominant		Dominance Test worksho			
Tree Stratum (Plot size: 30 ft/radius)	% Cover Species?	Status	Number of Dominant Spec			4-1
1			That Are OBL, FACW, or F	FAC:	1	(A)
2						
3			Total Number of Dominant		4	(D)
4			Species Across All Strata:		1	_ (B)
O 1' (OL 1 OL 1 (District) OO (1/ 1')	= Total Co		5			
Sapling/Shrub Stratum (Plot size: 30 ft/radius)			Percent of Dominant Spec		100	0((1 (5)
1			That Are OBL, FACW, or F	-AC:	100	% (A/B)
2			Prevalence Index works	shoot:		
3			Total % Cover		Multiply by:	
5.			OBL species		1=	_
	= Total Co	wor.	FACW species			_
Herb Stratum (Plot size: 5 ft/radius)	= Total Co		FAC species	x x	3=	_
1 Phalaris arundinacea	100 yes					_
·-	100 yes		FACU species	x	4=	_
2			UPL species		5=	
3			Column Totals:	100 (A)	200	_(B)
4			Prevalence Index =	R/A _	2	
6.			Hydrophytic Vegetation			
7			yes 1-Rapid Test For H		on	
8.		_	yes 2-Dominance Test		311	
		_	yes 3-Prevalence Index			
10		_		daptations ¹ (Provide	supporting	
11			data in Remarks	or on a separate she		
Woody Vine Stratum (Plot size: 30)	= Total Co	ver	5-Wetland Non-Va 6-Problematic Hydronic	scular Plants ¹ rophytic Vegetation ¹	(Explain)	
1.			1 Indicators of hydric soil	and wetland hydrole	ogy must	
2.	<u> </u>		be present, unless distu	-		
	= Total Co	ver	Hydrophytic			
% Bare Ground in Herb Stratum 0			Vegetation	Yes ✓	No	
			Present?	. 30		_
Remarks:		<u> </u>	-			

SOIL									Sampling Point:	DP-6A
Profile	Description	n: (Describe to the depth	needed to	document the indicator of	or confirm t	he absen	ce of indic	ators.)		
Depth		Matrix		Redox	Features					
(inches	<u>-</u>	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	R	emarks
0	- 11	10YR 2/2	100	Color (molet)		1,700		Silt loam	<u> </u>	iomanio
11	- 17	10YR 4/2	97	10YR 4/6	3	С	PL	Silt Loam	_	_
									_	
									_	_
	· — -									
	<u> </u>								_	
1-						. 2,			_	
				atrix, CS=Covered or Coate	ed Sand Gra	ains. Lo		=Pore Lining, M=M	latrix. ematic Hydric Soils ³	<u> </u>
Hydric s	Son maicat	ors: (Applicable to all LF	rks, uniess	otherwise noted.)			1110	uicators for Proble	ematic riyunc sons	•
Н	listosol (A1))	Sar	ndy Redox (S5)				_2 cm Muck (A10)		
	listic Epiped		Stri	pped Matrix (S6)			_	Red Parent Mater	, ,	
	lack Histic (` '		my Mucky Mineral (F1) (ex	cept MLRA	1)	_	_Very Shallow Dar	, ,	
—_н	lydrogen Su			my Gleyed Matrix (F2)			_	Other (Explain in	Remarks)	
	-	Below Dark Surface (A11)		oleted Matrix (F3)						
		Surface (A12)		dox Dark Surface (F6)						
	-	cky Mineral (S1) yed Matrix (S4)		oleted Dark Surface (F7) dox Depressions (F8)			³ In	dicators of hydroph	ytic vegetation and v	vetland hydrology
	-			dox Depressions (1 0)					ss disturbed or probl	
Restrict	ive Layer (i	if present):								
T	ype:									
	Depth (incl	hes):				Hydric	Soil Prese	ent?	YesN	· <u> </u>
HYDRO Wetland H	OLOGY lydrology Ir	ndicators:								
		nimum of one required; che	eck all that	apply)				Seconda	ry Indicators (2 or mo	ore required)
s	Surface Wate	er (A1)		Water-Stained Leaves (B	39) (except	MLRA		Water-Sta	ained Leaves (B9) (M	LRA 1,
н	ligh Water T	Γable (A2)		1, 2, 4A, and 4B)				2, 4A, and	d 4B)	
s	aturation (A	۸3)		Salt Crust (B11)				Drainage	Patterns (B10)	
V	Vater Marks	s (B1)		_ Aquatic Invertebrates (B1	-				on Water Table (C2)	
	Sediment De			_ Hydrogen Sulfide Odor (0	•				No Visible on Aerial Im	agery (C9)
	rift Deposits	` ,		Oxidized Rhizospheres a	-	Roots (C3)		hic Position (D2)	
	Igal Mat or on Deposits			Presence of Reduced Iro Recent Iron Reduction in		(C6)			quitard (D3) tral Test (D5)	
	-	Cracks (B6)		Stunted or Stressed Plan		. ,			nt Mounds (D6) (LRR	: A)
In	nundation V	isible on Aerial Imagery (B getated Concave Surface (Other (Explain in Remark	· , •				ve Hummocks (D7)	- 7
	heervation					- 1				

Surface Soil Cracks (B6)
Sunface Soil Cracks (B6)
Inundation Visible on Aerial Imagery (B7)
Sparsely Vegetated Concave Surface (B8)

Field Observations:
Surface Water Present?
Saturation Present?
Saturation Present?
(includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Recent from Reduction in Tilled Soils (C6)
FAC-Neturial Test (D5)
Facility (D5)
Facility (D5)
FAC-Neturial Test (D5)
Facility (D5)
Facility (D5)
FAC-Neturial Test (D5)
Facility (D5)
Facility (D5)
Facility (D5)
FAC-Neturial Test (D5)
Facility (D5)
FAC-Neturial Test (D5)
Facility (D5)
Facilit

Project/Site: Marymoor Park		City/County:	King Count	•	Sampling Date:	5/11/20	23
Applicant/Owner: King County		Castian Taunahin	Dongo	State: Washington	Sampling Point:	DP-7	
Investigator(s): Jessica Redman, Maggie Bradshaw		Section, Township		S12, T25N, R5E		01 (0/)	0
Landform (hillslope, terrace, etc.): Flat		•	concave, co	onvex, none): None		Slope (%):	
	_at: <u>47.6633</u>	332655		Long: -122.11321902 NWI classification:	None	Datum: - W	GS84
Soil Map Unit Name: Earlmont silt loam			./				
Are climatic / hydrologic conditions on the site typical for this time		Yes _		(If no, explain in Re	•	./	
	gnificantly dis			"Normal Circumstances" pre		N	o <u> </u>
Are Vegetation <u>no</u> Soil <u>no</u> or Hydrology <u>no</u> na	turally proble	matic?	(If needed	l, explain any answers in Rer	narks.)		
SUMMARY OF FINDINGS – Attach site map sho	wing sam	pling point lo	cations,	transects, important	features, etc.		
Hydrophytic Vegetation Present? Yes <u>√</u> No							
100 10	/_		Sampled Ar		/		
Wetland Hydrology Present? Yes No	<u>/</u>	within	a Wetland?	? Yes	No <u>✓</u>		
Remarks:							
VECTATION Has a significance of plants							
VEGETATION – Use scientific names of plants.	AL	.	1 2 4	<u> </u>			
Tree Stratum (Plot size: 30 ft/radius)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksho			
Tree Stratum (Plot size: 30 ft/radius) 1.	76 COVE	Species :	Status	Number of Dominant Spec That Are OBL, FACW, or F		2	(4)
				That Ale OBL, I ACW, of I	AC.		(A)
2. 3.				Total Number of Dominant	t		
4.				Species Across All Strata:		3	(B)
		Total Cover		oposios rioroso riii otiata.			(5)
Sapling/Shrub Stratum (Plot size: 30 ft/radius)		- Total Cover		Percent of Dominant Spec	ies		
1. Spiraea douglasii	30	yes	FACW	That Are OBL, FACW, or F		67	% (A/B)
2							_ /* (**-/
3.				Prevalence Index works	sheet:		
4.				Total % Cover	of:	Multiply by:	
5.				OBL species	x	1=	
	30	 Total Cover 		FACW species	x	2=	
Herb Stratum (Plot size: 5 ft/radius)				FAC species	x	3=	
1. Phalaris arundinacea	25	yes	FACW	FACU species	x	4=	
2. Juncus effusus	10	no	FACW	UPL species	x	5=	
3. Poa pratensis	50	yes	FAC	Column Totals:	(A)		(B)
4							
5				Prevalence Index =			
6				Hydrophytic Vegetation			
7				yes 1-Rapid Test For H		ion	
8				yes 2-Dominance Test			
9				3-Prevalence Index			
10 11.					daptations ¹ (Provide or on a separate sh		
	85	= Total Cover		5-Wetland Non-Va	scular Plants ¹		
Woody Vine Stratum (Plot size: 30)		- Total Gover			rophytic Vegetation	¹(Explain)	
1				1 Indicators of hydric soil			
2				be present, unless distu	-		
		Total Cover		Hydrophytic	p. p. obioinatio		
% Bare Ground in Herb Stratum 10				Vegetation	Yes ✓	No	
% Bare Ground in Herb Stratum 10				Present?	162 <u>*</u>	No	
Remarks:				11 10001111			
1							

SOIL Sampling Point: DP-7 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 9 7.5YR 3/4 Silt loam 100 10YR 3/2 Sand, Silt loam 12 100 16 10YR 3/2 Loamy sand ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils³: 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 Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) ³Indicators of hydrophytic vegetation and wetland hydrology Sandy Gleyed Matrix (S4) Redox Depressions (F8) must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches): **Hydric Soil Present?** Remarks: **HYDROLOGY** Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Water-Stained Leaves (B9) (except MLRA Water-Stained Leaves (B9) (MLRA 1, High Water Table (A2) 1, 2, 4A, and 4B) 2, 4A, and 4B) Drainage Patterns (B10) Salt Crust (B11) Saturation (A3) 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) 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? Depth (Inches): no Water Table Present? no Depth (Inches):

US Army Corps of Engineers

Remarks: Saturated below 20

Saturation Present?

(includes capillary fringe)

nο

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Depth (Inches):

Wetland Hydrology Present?

Project/Site: Marymoor Park Applicant/Owner: King County	City/Cour	Redmond,	King County State: Washington	Sampling Date: Sampling Point:	5/11/2023 DP-8	
Investigator(s): Jessica Redman, Maggie Bradshaw	Section.	Township, Range:	S12, T25N, R5E		<u> </u>	
Landform (hillslope, terrace, etc.): Flat		cal relief (concave, co			Slope (%): 0	
	 at: 47.6631812745	ar rener (correave, co	Long: -122.113409082		Datum: - WGS84	
Soil Map Unit Name: Earlmont silt loam	47.0001012740		NWI classification:	None	Datum. WOOO+	
Are climatic / hydrologic conditions on the site typical for this time	of year?	Yes ✓ No	(If no, explain in Rer			
				•	√ No	
	nificantly disturbed?		"Normal Circumstances" pre , explain any answers in Ren		No	
Are Vegetation no Soil no or Hydrology no nat	urally problematic?	(ii needed	, explain any answers in Ren	iaiks.)		
SUMMARY OF FINDINGS – Attach site map show	ying sampling ہ	point locations,	transects, important	features, etc.		
Hydrophytic Vegetation Present? Yes _✓ No	_					
Hydric Soil Present? Yes ✓ No		Is the Sampled Ar				
Wetland Hydrology Present? Yes No	_	within a Wetland?	Yes	No _ <u>✓</u>		
Remarks:						
VEGETATION – Use scientific names of plants.						
VEGETATION - Use scientific flames of plants.	Absolute Book	Sanat Indianta	Bandana Tarkanakaka			
Tree Stratum (Plot size: 30 ft/radius)	Absolute Domi		Dominance Test workshop Number of Dominant Spec			
Tree Stratum (Plot size: 30 ft/radius) 1.	% Cover Spec	cies? Status	That Are OBL, FACW, or F		1 (A)	. \
			That Ale OBL, FACW, OFF	AC.	1 (A)	.)
2			Total Number of Dominant			
3			Species Across All Strata:		1 (B)	٤١
		al Causa	opedes Adioss Ali Stiata.		(B))
Sapling/Shrub Stratum (Plot size: 30 ft/radius)	= Tot	al Cover	Percent of Dominant Speci	ios		
Sapinig/Stratum (Fiot Size. 30 Itriaulus)			That Are OBL, FACW, or F		100 % (A	\ /D\
1			That Ale OBL, FACW, OFF	AC.		VD)
2			Prevalence Index works	heet:		
3. 4.			Total % Cover		Multiply by:	
5.			OBL species		1=	
		al Cover	FACW species	100 x		
Herb Stratum (Plot size: 5 ft/radius)			FAC species	x	3=	
1 Phalaris arundinacea	100 ye	es FACW	FACU species	x	4=	
2.			UPL species		5=	
3.			Column Totals:	100 (A)	200 (B)	
J			Column Totals.	(A)	(B)	
5.			Prevalence Index =	B/A =	2	
6.			Hydrophytic Vegetation			
7.			yes 1-Rapid Test For H		on	
8.			yes 2-Dominance Test			
9.			3-Prevalence Index	(is ≤3.0 ¹		
10.				daptations ¹ (Provide	supporting	
11				or on a separate she		
Woody Vine Stratum (Plot size: 30)	= Tot	al Cover	5-Wetland Non-Vas	scular Plants ¹ ophytic Vegetation ¹	(Evolain)	
Woody Vine Stratum (Plot size: 30)						
1			¹ Indicators of hydric soil	-		
2			be present, unless distu	bed or problematic.		
	= Tot	al Cover	Hydrophytic			
% Bare Ground in Herb Stratum			Vegetation	Yes <u>√</u>	No	
Domorko			Present?			
Remarks:						

SOIL Sampling Point: DP-8 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 8 7.5YR 3/3 Silt loam 100 PL 10YR 4/2 10YR 5/8 С 16 95 Silt loam ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils³: 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 Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) ³Indicators of hydrophytic vegetation and wetland hydrology Sandy Gleyed Matrix (S4) Redox Depressions (F8) must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches): **Hydric Soil Present?** Remarks: **HYDROLOGY** Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Water-Stained Leaves (B9) (except MLRA Water-Stained Leaves (B9) (MLRA 1, High Water Table (A2) 1, 2, 4A, and 4B) 2, 4A, and 4B) Drainage Patterns (B10) Salt Crust (B11) Saturation (A3) 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) 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? Depth (Inches): no Water Table Present? no Depth (Inches): nο Saturation Present? Depth (Inches): Wetland Hydrology Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Dry at 20

Project/Site: Marymoor Park	City/County:	Redmond, King Co	unty	Sampling Date	: 5/11/20	23
Applicant/Owner: King County		State	e: Washington	Sampling Poin	t: DP-9	
Investigator(s): Jessica Redman, Maggie Bradshaw	Section, Township	p, Range:	S12, T25N, R5E			
Landform (hillslope, terrace, etc.):	Local relief	(concave, convex, no	ne): None		Slope (%):	0
Subregion (LRR): LRR A Lat:	47.6630708578	Long:	-122.113761849		Datum: - W	GS84
Soil Map Unit Name: Earlmont silt loam			NWI classification:	Nor	ne	
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes	✓ No	(If no, explain in Rei	marks.)		
Are Vegetation <u>no</u> Soil <u>no</u> or Hydrology <u>no</u> signific	cantly disturbed?	Are "Norma	Circumstances" pre	esent? Ye	es <u>√</u> N	0
Are Vegetation no Soil no or Hydrology no natural	lly problematic?	(If needed, explain	any answers in Ren	narks.)		
SUMMARY OF FINDINGS – Attach site map showing	ng sampling point l	ocations, transe	ects. important	features, etc	.	
Hydrophytic Vegetation Present? Yes ✓ No	.9 cap9 pc					
Hydric Soil Present?	ls the	Sampled Area				
Wetland Hydrology Present? Yes No ✓		n a Wetland?	Yes	No ✓	/	
Remarks:						
Remarks:						
VEGETATION – Use scientific names of plants.						
	osolute Dominant	Indicator Domir	nance Test workshe	et:		
	Cover Species?		er of Dominant Spec			
1.			re OBL, FACW, or F		2	(A)
2.			, ,		-	` ′
3.		Total I	Number of Dominant			
4.		Specie	es Across All Strata:		2	(B)
	= Total Cover	r			-	
Sapling/Shrub Stratum (Plot size: 30 ft/radius)		Percei	nt of Dominant Spec	ies		
1		That A	re OBL, FACW, or F	AC:	100	% (A/B)
2						
3		Prev	alence Index works			
4			Total % Cover		Multiply by:	
5	45		pecies		x 1=	
Herb Stratum (Plot size: 5 ft/radius)	15 = Total Cover		species		x 2= 200	
Herb Stratum (Plot size: 5 ft/radius)	100 yes	FAC s FACW FACU			x 3= 45	
'· <u> </u>	100 yes		species		x 4=	
2		UPL s		,	x 5=	(D)
3			n Totals:	115 (A)	245	(B)
5			Prevalence Index =	B/A =	2.13	
6.		Hyd	ophytic Vegetation			
7			1-Rapid Test For H		ation	
8.			2-Dominance Test			
9.		yes	3-Prevalence Index	c is ≤3.0 ¹		
10.			4-Morphological Ac	daptations ¹ (Provi	ide supporting	
11.			data in Remarks	or on a separate	sheet)	
	100 = Total Cover	r	5-Wetland Non-Va	scular Plants ¹		
Woody Vine Stratum (Plot size: 30)			6-Problematic Hydr	ophytic Vegetation	on ¹ (Explain)	
1. Rubus armeniacus	15 yes	FAC 1 Ind	icators of hydric soil	and wetland hyd	rology must	
2.			resent, unless distu			
	= Total Cover	Hydro	ohytic			
% Bare Ground in Herb Stratum 0		Vegeta	•	Yes ✓	No	
		Preser				
Remarks:						

OIL								Sampling Point:	DP-9
Profile Description	on: (Describe to the de	pth needed to	document the indicator	or confirm	the absen	ce of indica	ators.)		
Depth	Matrix		Redo	x Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	R	emarks
0 - 5	7.5YR 3/3	100					Silt loam	<u> </u>	
5 - 12	10YR 3/3	100					Silt loam		
12 - 16	7.5YR 4/2	93	7.5YR 5/6	7	С	M	Silt loam	_	
								_	
			(<u> </u>						
								_	
Type: C=Conce	entration, D=Depletion, R	M=Reduced Ma	atrix, CS=Covered or Coa	ted Sand Gr	ains. ² Lo	ocation: PL=	Pore Lining, M=M	atrix.	
dric Soil Indica	ators: (Applicable to all	I LRRs, unless	otherwise noted.)			Ind	icators for Proble	matic Hydric Soils ³	:
Histosol (A1	1)	San	dy Redox (S5)				2 cm Muck (A10)		
Histic Epipe	•		oped Matrix (S6)				Red Parent Mater	ial (TF2)	
Black Histic	` ,		my Mucky Mineral (F1) (e	xcept MLRA	(1)		Very Shallow Dark	, ,	
Hydrogen S	` '		my Gleyed Matrix (F2)	•	,		Other (Explain in I		
Depleted	Below Dark Surface (A1	1) Dep	leted Matrix (F3)					•	
	rk Surface (A12)		ox Dark Surface (F6)						
Sandy Mu	ucky Mineral (S1)	Dep	leted Dark Surface (F7)						
Sandy GI	leyed Matrix (S4)	Red	ox Depressions (F8)					ytic vegetation and w	
actrictiva I aver	(if propert).	<u> </u>				mus	st be present, unle	ss disturbed or proble	ematic.
estrictive Layer Type:	(ii present):								
I V()⊕									
	ches).				Hydric	Soil Preser	nt?	Vas Nr	. 🗸
Depth (in	ches):				Hydric	Soil Preser	nt?	YesNo	<u>, </u>
Depth (in	ches):				Hydric	Soil Preser	nt?	YesNo	<u>, √</u>
Depth (incharks: YDROLOGY	Indicators:	chock all that a	upolit)		Hydric	Soil Preser			
Depth (indicators (monarks:	Indicators: inimum of one required;	check all that a		R9) (avcant		Soil Preser	Seconda	ry Indicators (2 or mo	ore required)
Pepth (incharks: YDROLOGY land Hydrology hary Indicators (m	Indicators: ninimum of one required; ater (A1)	check all that a	Water-Stained Leaves	B9) (except		Soil Preser	Seconda Water-Sta	ry Indicators (2 or mo	ore required)
Popth (indicators (marks: Marks: Mark	Indicators: ninimum of one required; ater (A1) Table (A2)	check all that a	Water-Stained Leaves (B9) (except		Soil Preser	Seconda Water-Sta 2, 4A, and	ry Indicators (2 or moined Leaves (B9) (M	ore required)
Popth (included in the property of the propert	Indicators: innimum of one required; ater (A1) Table (A2) (A3)	check all that a	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11)	, .		Soil Preser	Seconda Water-Sta 2, 4A, and Drainage	ry Indicators (2 or moined Leaves (B9) (M I 4B) Patterns (B10)	ore required)
Popth (included in the property of the propert	Indicators: ninimum of one required; ater (A1) Table (A2) (A3) ts (B1)	check all that a	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B	313)		Soil Preser	Seconda Water-Sta 2, 4A, and Drainage	ry Indicators (2 or mo ined Leaves (B9) (M I 4B) Patterns (B10) on Water Table (C2)	ore required)
Popth (included in the content of th	Indicators: hinimum of one required; ater (A1) Table (A2) (A3) (x (B1) Deposits (B2)	check all that a	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (E Hydrogen Sulfide Odor	313) (C1)	MLRA		Seconda Water-Sta 2, 4A, and Drainage	ry Indicators (2 or mo ined Leaves (B9) (M I 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Ima	ore required)
Depth (included) Parks: YDROLOGY Iand Hydrology Pary Indicators (many Indicators (many Indicators) Surface Water Mark Saturation (many Indicators) Vater Mark Sediment D Drift Deposit	Indicators: hinimum of one required; ater (A1) Table (A2) (A3) (x (B1) Deposits (B2)	check all that a	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B	s13) (C1) along Living	MLRA		Seconda Water-Sta 2, 4A, and Drainage Dry-Seaso Saturation Geomorph	ry Indicators (2 or mo ined Leaves (B9) (M I 4B) Patterns (B10) on Water Table (C2)	ore required)
Poepth (incharks: YDROLOGY Iand Hydrology hary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi	Indicators: hinimum of one required; ater (A1) Table (A2) (A3) (A3) (A5 (B1) Deposits (B2) its (B3) r Crust (B4)	check all that a	Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (E Hydrogen Sulfide Odor Oxidized Rhizospheres	s13) (C1) along Living on (C4)	MLRA Roots (C3		Seconda Water-Sta 2, 4A, and Drainage Dry-Seaso Saturation Geomorph Shallow A	ry Indicators (2 or mo ined Leaves (B9) (M I 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Ima nic Position (D2)	ore required)
Depth (included) Parks: YDROLOGY Iand Hydrology Pary Indicators (may be considered) Surface Water Mark Sediment D Drift Deposition (proposition deposition)	Indicators: hinimum of one required; ater (A1) Table (A2) (A3) (A3) (A5 (B1) Deposits (B2) its (B3) r Crust (B4)	check all that a	Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (E Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced In	s13) (C1) along Living on (C4) n Tilled Soils	MLRA Roots (C3		Seconda Water-Sta 2, 4A, and Drainage Dry-Seaso Saturation Geomorph Shallow A FAC-Neut	ry Indicators (2 or mo ined Leaves (B9) (M 1 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Ima nic Position (D2) quitard (D3)	ore required) LRA 1, agery (C9)
Depth (included) Parks: YDROLOGY Iand Hydrology Deary Indicators (m Surface Waller Mark Saturation (m Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Inundation (included)	Indicators: ninimum of one required; ater (A1) Table (A2) (A3) (S (B1) Deposits (B2) its (B3) r Crust (B4) its (B5)	(B7)	Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (E Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction	i13) (C1) along Living on (C4) n Tilled Soils nts (D1) (LR	MLRA Roots (C3		Seconda Water-Sta 2, 4A, and Drainage Dry-Seasc Saturation Geomorph Shallow A FAC-Neut Raised An	ry Indicators (2 or mo ined Leaves (B9) (M I 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Ima nic Position (D2) quitard (D3) ral Test (D5)	ore required) LRA 1, agery (C9)
Depth (inconnarks: YDROLOGY Island Hydrology many Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Inundation (Sparsely Ve	Indicators: hinimum of one required; hater (A1) Table (A2) (A3) As (B1) Deposits (B2) hits (B3) r Crust (B4) hits (B5) il Cracks (B6) Visible on Aerial Imagery egetated Concave Surface	(B7)	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (E Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced In Recent Iron Reduction i Stunted or Stressed Pla	i13) (C1) along Living on (C4) n Tilled Soils nts (D1) (LR	MLRA Roots (C3		Seconda Water-Sta 2, 4A, and Drainage Dry-Seasc Saturation Geomorph Shallow A FAC-Neut Raised An	ry Indicators (2 or mo ined Leaves (B9) (M I 4B) Patterns (B10) on Water Table (C2) I Visible on Aerial Ima nic Position (D2) quitard (D3) ral Test (D5)	ore required) LRA 1, agery (C9)
Depth (incomparises) YDROLOGY Itland Hydrology mary Indicators (mary Indicators (mary Indicators) Surface Ware Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Inundation of Sparsely Ve	Indicators: ninimum of one required; ater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	(B7) ce (B8)	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (E Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced Ir Recent Iron Reduction i Stunted or Stressed Pla Other (Explain in Rema	i13) (C1) along Living on (C4) n Tilled Soils nts (D1) (LR	MLRA Roots (C3		Seconda Water-Sta 2, 4A, and Drainage Dry-Seasc Saturation Geomorph Shallow A FAC-Neut Raised An	ry Indicators (2 or mo ined Leaves (B9) (M I 4B) Patterns (B10) on Water Table (C2) I Visible on Aerial Ima nic Position (D2) quitard (D3) ral Test (D5)	ore required) LRA 1, agery (C9)
Depth (incomparison properties) YDROLOGY Itland Hydrology nary Indicators (m Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Surface Soi Inundation (Sparsely Ve Field Observatic Surface Water Properties)	Indicators: ninimum of one required; ater (A1) Table (A2) (A3) (S (B1) Deposits (B2) its (B3) r Crust (B4) its (B5) il Cracks (B6) Visible on Aerial Imagery egetated Concave Surface ons: resent? n	/ (B7)	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (E Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced Ir Recent Iron Reduction i Stunted or Stressed Pla Other (Explain in Rema	i13) (C1) along Living on (C4) n Tilled Soils nts (D1) (LR	MLRA Roots (C3		Seconda Water-Sta 2, 4A, and Drainage Dry-Seasc Saturation Geomorph Shallow A FAC-Neut Raised An	ry Indicators (2 or mo ined Leaves (B9) (M I 4B) Patterns (B10) on Water Table (C2) I Visible on Aerial Ima nic Position (D2) quitard (D3) ral Test (D5)	ore required) LRA 1, agery (C9)
Depth (incomparise) YDROLOGY Island Hydrology many Indicators (many Indi	Indicators: hinimum of one required; hater (A1) Table (A2) (A3) As (B1) Deposits (B2) hits (B3) r Crust (B4) hits (B5) hil Cracks (B6) Visible on Aerial Imagery higher and the concave Surface higher and the concave Su	(B7) ce (B8)	Water-Stained Leaves (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (E Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced Ir Recent Iron Reduction i Stunted or Stressed Pla Other (Explain in Rema	i13) (C1) along Living on (C4) n Tilled Soils nts (D1) (LR	MLRA Roots (C3)	Seconda Water-Sta 2, 4A, and Drainage Dry-Seasc Saturation Geomorph Shallow A FAC-Neut Raised An	ry Indicators (2 or mo ined Leaves (B9) (M I 4B) Patterns (B10) on Water Table (C2) I Visible on Aerial Ima nic Position (D2) quitard (D3) ral Test (D5)	ore required) LRA 1, agery (C9)

Remarks: Dry to 20

Project/Site: Marymoor Park Applicant/Owner: King County	City/County:	King Count	state: Washington	Sampling Date: Sampling Point:	5/11/2023 DP-10	
Investigator(s): Jessica Redman, Maggie Bradshaw	Section, Towns	hin Range	S12, T25N, R5E		DF-10	
Landform (hillslope, terrace, etc.): Flat	_		onvex, none): None		Slope (%): 0	
	 t: 47.6629507387	lei (concave, co	Long: -122.11381323		Datum: - WGS8	8/1
Soil Map Unit Name: Earlmont silt loam	1. 47.0029307307		NWI classification:	None	Datum WGSG	04
·	of year? Vee	√ No				
Are climatic / hydrologic conditions on the site typical for this time of			(If no, explain in Re	•		
	ificantly disturbed?		"Normal Circumstances" pre		No	
Are Vegetation <u>no</u> Soil <u>no</u> or Hydrology <u>no</u> natu	rally problematic?	(If needed	I, explain any answers in Rer	narks.)		
SUMMARY OF FINDINGS – Attach site map show	ring sampling poin	t locations,	transects, important	features, etc.		
Hydrophytic Vegetation Present? Yes ✓ No	_					
Hydric Soil Present? Yes ✓ No		he Sampled Ar				
Wetland Hydrology Present? Yes No✓	wit	hin a Wetland?	? Yes	No <u></u>		
Remarks:						
VEGETATION – Use scientific names of plants.						
	Absolute Dominant	Indicator	Dominance Test worksho	eet:		
Tree Stratum (Plot size: 30 ft/radius)	% Cover Species?	Status	Number of Dominant Spec	cies		
1			That Are OBL, FACW, or F	FAC:	1	(A)
2.						
3.			Total Number of Dominant	t		
4.			Species Across All Strata:		1	(B)
	= Total Co	ver				
Sapling/Shrub Stratum (Plot size: 30 ft/radius)			Percent of Dominant Spec	ies		
1		_	That Are OBL, FACW, or F	FAC:	100 %	% (A/B)
2					-	
3.			Prevalence Index works	sheet:		
4			Total % Cover	of:	Multiply by:	
5			OBL species	x	1=	
	= Total Co	ver	FACW species	100 x	2= 200	
Herb Stratum (Plot size: 5 ft/radius)			FAC species	x	3=	
1. Phalaris arundinacea	100 yes	FACW	FACU species	x	4=	
2		_	UPL species	x	5=	
3			Column Totals:	100 (A)	200	(B)
4						
5			Prevalence Index =		2	
6			Hydrophytic Vegetation	n Indicators:		
7			yes 1-Rapid Test For H	lydrophytic Vegetation	วท	
8			yes 2-Dominance Test	is >50%		
9			yes 3-Prevalence Index	x is ≤3.0 ¹		
10				daptations ¹ (Provide or on a separate she		
	100 = Total Co	ver	5-Wetland Non-Va			
Woody Vine Stratum (Plot size: 30)			<u> </u>	rophytic Vegetation ¹		
1			1 Indicators of hydric soil	•		
2			be present, unless distu	rbed or problematic.	<u> </u>	
	= Total Co	ver	Hydrophytic			
% Bare Ground in Herb Stratum 0			Vegetation	Yes ✓	No	
			Present?			
Remarks:						

SOIL Sampling Point: DP-10

Profile Description: (Describe to	the depth needed to	document the indicator	or confirm t	he abser	nce of indic	ators.)	
Depth Ma	atrix	Redo	x Features				
(inches) Color (moist		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7 7.5YR 2.5/2			·			Silt loam	
7 - 15 10YR 2/2	93	5YR 4/6	7	С	PL	Silt loam	
15 - 16 10YR 6/3	100					Silt loam	
<u> </u>							
					. —		
					. —		
					- —		
¹ Type: C=Concentration, D=Deple			ted Sand Gra	ains. ² L		=Pore Lining, M=Matrix.	
Hydric Soil Indicators: (Applicab	le to all LRRs, unless	s otherwise noted.)			Inc	dicators for Problematic	Hydric Soils ³ :
Histosol (A1)	Sar	ndy Redox (S5)				2 cm Muck (A10)	
Histic Epipedon (A2)	Stri	ipped Matrix (S6)				Red Parent Material (TF	⁷ 2)
Black Histic (A3)	Loa	amy Mucky Mineral (F1) (ex	xcept MLRA	1)		Very Shallow Dark Surfa	ace (TF12)
Hydrogen Sulfide (A4)	Loa	amy Gleyed Matrix (F2)				Other (Explain in Rema	rks)
Depleted Below Dark Surfa	ace (A11)Del	pleted Matrix (F3)				_	
Thick Dark Surface (A12)	X Re	dox Dark Surface (F6)					
Sandy Mucky Mineral (S1)	Dep	pleted Dark Surface (F7)					
Sandy Gleyed Matrix (S4)	Rec	dox Depressions (F8)				dicators of hydrophytic ve ust be present, unless dis	getation and wetland hydrology
Restrictive Layer (if present):					IIIC	ast be present, unless dis	urbed or problematic.
Type:							
Depth (inches):				Hydric	Soil Prese	nt? Yes	s ✓ No
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of one re	quired; check all that	apply)					cators (2 or more required)
Surface Water (A1)		Water-Stained Leaves (I	B9) (except	MLRA		Water-Stained L	eaves (B9) (MLRA 1,
High Water Table (A2)		1, 2, 4A, and 4B)				2, 4A, and 4B)	
Saturation (A3)		Salt Crust (B11)				Drainage Patter	• •
Water Marks (B1)		Aquatic Invertebrates (B	,			Dry-Season Wa	, ,
Sediment Deposits (B2)		Hydrogen Sulfide Odor (_,		e on Aerial Imagery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4)		Oxidized Rhizospheres a Presence of Reduced Iro	0 0	Roots (C	3)	Geomorphic Pos Shallow Aquitare	` '
Iron Deposits (B5)		Recent Iron Reduction in		(C6)		FAC-Neutral Te	
Surface Soil Cracks (B6)		Stunted or Stressed Plan		, ,			nds (D6) (LRR A)
Inundation Visible on Aerial I	magery (B7)	Other (Explain in Remar		,		Frost-Heave Hu	
Sparsely Vegetated Concave		_ ` ` `	,				· ,
Field Observations:							
Surface Water Present?		Depth (Inches):		_			
	no						
Water Table Present?	yes	Depth (Inches):	16	– I. <i>.</i>			, , , , , , , , , , , , , , , , , , ,
Saturation Present?		Depth (Inches): Depth (Inches):	13	_ v	Vetland Hyd	drology Present?	Yes No <u>√</u>
Saturation Present? (includes capillary fringe)	yes yes	Depth (Inches):	13			drology Present?	Yes No _ <u>√</u>
Saturation Present?	yes yes	Depth (Inches):	13			drology Present?	Yes No
Saturation Present? (includes capillary fringe) Describe Recorded Data (stream of	yes yes	Depth (Inches):	13			drology Present?	Yes No
Saturation Present? (includes capillary fringe)	yes yes	Depth (Inches):	13			drology Present?	Yes No✓
Saturation Present? (includes capillary fringe) Describe Recorded Data (stream of	yes yes	Depth (Inches):	13			drology Present?	Yes No
Saturation Present? (includes capillary fringe) Describe Recorded Data (stream of	yes yes	Depth (Inches):	13			drology Present?	Yes No _ <u>√</u>

Project/Site: Marymoor Park Applicant/Owner: King County	City/County:	Redmond, K	King County State: Washington	Sampling Date: Sampling Point:	5/10/202 DP-11	23
Investigator(s): Jessica Redman, Maggie Bradshaw	Section, Townsh	nip, Range:	S12, T25N, R5E	_		
Landform (hillslope, terrace, etc.):	Local relie	f (concave, cor	nvex, none): None		Slope (%):	0
Subregion (LRR): LRR A	_at: 47.662798		Long: -122.113644		Datum: - WG	S84
Soil Map Unit Name: Earlmont silt loam			NWI classification:	None		
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes	No	(If no, explain in Rer	marks.)		
Are Vegetation <u>no</u> Soil <u>no</u> or Hydrology <u>no</u> sig	gnificantly disturbed?	Are '	"Normal Circumstances" pre	sent? Yes	No	
Are Vegetation no Soil no or Hydrology no na	turally problematic?	(If needed,	explain any answers in Ren	narks.)		
SUMMARY OF FINDINGS – Attach site map sho	wing sampling point	locations, 1	transects, important	features, etc.		
Hydrophytic Vegetation Present? Yes <u>√</u> No						
119 119 119 119 119 119 119		e Sampled Are		/		
Wetland Hydrology Present? Yes No	with with	in a Wetland?	Yes	No		
VECETATION Lies esigntific names of plants						
VEGETATION – Use scientific names of plants.	Abada Basinasi	L. P t	Bandana Tarkanadak			
<u>Tree Stratum</u> (Plot size: 30 ft/radius)	Absolute Dominant % Cover Species?	Indicator Status	Dominance Test workshop Number of Dominant Spec			
1.	76 Cover Species:	Status	That Are OBL, FACW, or F		1	(A)
			That Ale Obl., I ACW, of I	AC.		(A)
2. 3.			Total Number of Dominant			
4			Species Across All Strata:		1	(B)
	= Total Cove	- er	oposico / toroco / tir otrata.			_ (5)
Sapling/Shrub Stratum (Plot size: 30 ft/radius)		51	Percent of Dominant Speci	es		
1.			That Are OBL, FACW, or F		100	% (A/B)
2.						70 (142)
3.		- ——	Prevalence Index works	heet:		
4.			Total % Cover	of:	Multiply by:	
5.			OBL species	0 x	1= 0	
	= Total Cove	er	FACW species	100 x	2= 200	
Herb Stratum (Plot size: 5 ft/radius)			FAC species	0 x	3= 0	
1. Phalaris arundinacea	100 yes	FACW	FACU species	0 x	4= 0	
2.			UPL species	0 x	5=	_
3			Column Totals:	100 (A)	200	(B)
4.						
5			Prevalence Index =	B/A =	2	
6			Hydrophytic Vegetation	Indicators:		
7			yes 1-Rapid Test For H	ydrophytic Vegetation	on	
8			yes 2-Dominance Test	is >50%		
9			yes 3-Prevalence Index			
10 11			no 4-Morphological Addata in Remarks	laptations ¹ (Provide or on a separate sh		
Woody Vine Stratum (Plot size: 30)	= Total Cove	er	no 5-Wetland Non-Vas		(Explain)	
1			1 Indicators of hydric soil			
2.			be present, unless distu			
	= Total Cove	er	Hydrophytic	•		
% Bare Ground in Herb Stratum 0			Vegetation	Yes ✓	No	_
Pomarke:			Present?			
Remarks:						

SOIL Sampling Point: DP-11

Profile Description:								
Depth	Matrix		-	K Features	_ 1	. 2		
(inches)	Color (moist) 7.5YR 3/2	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture Silt loam	Remarks
0 - 6 - 14	7.5YR 3/3	100 98	7.5YR 3/4	2	C	PL	Silt loam	<u> </u>
14 - 20	10YR 4/2	97	7.5YR 5/8	3	- C	PL	Silt loam	
14 - 20	1011(4/2		7.511070			<u> </u>	Oilt loam	
<u> </u>								
<u> </u>								
	_							-
1- 00					. 21			-
			atrix, CS=Covered or Coa	ed Sand Gr	ains. L		=Pore Lining, M=Matrix.	•
Hydric Soil Indicator	rs: (Applicable to all	LKKS, uniess	otherwise noted.)			inc	licators for Problemati	c nyuric soils :
Histosol (A1)		San	dy Redox (S5)				2 cm Muck (A10)	
Histic Epipedo	n (A2)	Stri	oped Matrix (S6)				Red Parent Material (T	F2)
Black Histic (A	(3)	Loa	my Mucky Mineral (F1) (ex	cept MLRA	1)		Very Shallow Dark Sur	face (TF12)
Hydrogen Sulf	ide (A4)	Loa	my Gleyed Matrix (F2)				Other (Explain in Rema	arks)
Depleted Be	elow Dark Surface (A1	1) Dep	eleted Matrix (F3)				-	
	Surface (A12)		lox Dark Surface (F6)					
	y Mineral (S1)		oleted Dark Surface (F7)					
	ed Matrix (S4)	Rec	lox Depressions (F8)			³ In	dicators of hydrophytic v	regetation and wetland hydrology
					1	mι	ist be present, unless di	sturbed or problematic.
Restrictive Layer (if	present):							
Type:								
Depth (inche	es):				Hydric	Soil Prese	nt? Ye	es No <u>Y</u>
HYDROLOGY	Hantaur							
Wetland Hydrology Inc		check all that a	apply)				Secondary Inc	dicators (2 or more required)
Wetland Hydrology Inc Primary Indicators (mini	mum of one required;	check all that a		RQ) (excent	MIRA			dicators (2 or more required)
Vetland Hydrology Inc Primary Indicators (mini Surface Water	mum of one required; · (A1)	check all that a	Water-Stained Leaves (39) (except	MLRA		Water-Stained	Leaves (B9) (MLRA 1,
Vetland Hydrology Inc Primary Indicators (mini Surface Water High Water Ta	mum of one required; (A1) able (A2)	check all that a	Water-Stained Leaves (I	39) (except	MLRA		Water-Stained 2, 4A, and 4B)	Leaves (B9) (MLRA 1,
Wetland Hydrology Inc Primary Indicators (mini Surface Water High Water Ta Saturation (A3	mum of one required; (A1) able (A2)	check all that a	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11)		MLRA		Water-Stained 2, 4A, and 4B) Drainage Patte	Leaves (B9) (MLRA 1, erns (B10)
Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (mum of one required; r (A1) able (A2) r) B1)	check all that a	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B	13)	MLRA		Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2)
Wetland Hydrology Inc Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep	mum of one required; (A1) able (A2) b) B1) osits (B2)	check all that a	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (13) C1)		o	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visit	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9)
Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits	mum of one required; (A1) sible (A2) b) B1) osits (B2) (B3)	check all that a	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a	13) C1) along Living		3)	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visii Geomorphic Po	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) osition (D2)
Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	mum of one required; (A1) sble (A2) b) B1) osits (B2) (B3) rust (B4)	check all that a	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced In	13) C1) along Living on (C4)	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visii Geomorphic Po	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) osition (D2) rd (D3)
Wetland Hydrology Inc Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (6)	mum of one required; (A1) sible (A2)) B1) osits (B2) (B3) rust (B4) (B5)	check all that a	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Ira Recent Iron Reduction in	13) C1) along Living on (C4) Tilled Soils	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visil Geomorphic Po Shallow Aquita FAC-Neutral To	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) osition (D2) rd (D3) est (D5)
Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6)		Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction ir Stunted or Stressed Plan	13) C1) along Living on (C4) Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Inc Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis	mum of one required; (A1) sible (A2)) B1) osits (B2) (B3) rust (B4) (B5)	(B7)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Ira Recent Iron Reduction in	13) C1) along Living on (C4) Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visil Geomorphic Po Shallow Aquita FAC-Neutral To	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Inc Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6) ible on Aerial Imagery	(B7)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction ir Stunted or Stressed Plan	13) C1) along Living on (C4) Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Inc Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6) able on Aerial Imagery etated Concave Surface	(B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction ir Stunted or Stressed Plan	13) C1) along Living on (C4) Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A)
Wetland Hydrology Inc Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6) able on Aerial Imagery etated Concave Surface Etated Concave Surface	(B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Inc Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Reman	13) C1) along Living on (C4) Tilled Soils nts (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A)
Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Pres	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6) able on Aerial Imagery etated Concave Surface E: ent? nt? year	(B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Inc Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Reman	13) C1) along Living on (C4) Tilled Soils hts (D1) (LR	Roots (C3 (C6) R A)		Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A)
Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Preser	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6) ible on Aerial Imagery etated Concave Surface ent? nt? ye	(B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Irr Recent Iron Reduction ir Stunted or Stressed Plat Other (Explain in Reman	13) C1) along Living on (C4) Tilled Soils ats (D1) (LR	Roots (C3 (C6) R A)		Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visii Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo Frost-Heave H	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)
Primary Indicators (mini Surface Water Tal Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Pres Water Table Preser Saturation Present? (includes capillary free	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6) ible on Aerial Imagery etated Concave Surface ent? nt? ye ringe)	(B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Irr Recent Iron Reduction ir Stunted or Stressed Plat Other (Explain in Reman	13) C1) slong Living on (C4) s Tilled Soils ats (D1) (LR	Roots (C3 (C6) R A)	/etland Hyd	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visii Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo Frost-Heave H	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)
Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Pres Water Table Preser Saturation Present? (includes capillary fr	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6) ible on Aerial Imagery etated Concave Surface ent? nt? ye ringe)	(B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Invertebrate of Reduced Invertebrate of Stanta of	13) C1) slong Living on (C4) s Tilled Soils ats (D1) (LR	Roots (C3 (C6) R A)	/etland Hyd	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visii Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo Frost-Heave H	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)
Primary Indicators (mini Surface Water Tales Saturation (A3) Water Marks (Sediment Dep Drift Deposits Algal Mat or CI Iron Deposits (Surface Soil CI Inundation Vis Sparsely Vege) Field Observations Surface Water Preser Water Table Presert Saturation Present? (includes capillary from the primary for the property of the present of the	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6) ible on Aerial Imagery etated Concave Surface ent? nt? ye ringe)	(B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Invertebrate of Reduced Invertebrate of Stanta of	13) C1) slong Living on (C4) s Tilled Soils ats (D1) (LR	Roots (C3 (C6) R A)	/etland Hyd	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visii Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo Frost-Heave H	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)
Primary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Pres Water Table Preser Saturation Present? (includes capillary fr	mum of one required; (A1) able (A2) b) B1) osits (B2) (B3) rust (B4) (B5) tracks (B6) ible on Aerial Imagery etated Concave Surface ent? nt? ye ringe)	(B7) ce (B8)	Water-Stained Leaves (I 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (Oxidized Rhizospheres a Presence of Reduced Invertebrate of Reduced Invertebrate of Stunted or Stressed Plate Other (Explain in Remandal Control (Explain in Remand	13) C1) slong Living on (C4) s Tilled Soils ats (D1) (LR	Roots (C3 (C6) R A)	/etland Hyd	Water-Stained 2, 4A, and 4B) Drainage Patte Dry-Season W Saturation Visii Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo Frost-Heave H	Leaves (B9) (MLRA 1, erns (B10) ater Table (C2) ble on Aerial Imagery (C9) position (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)

Project/Site: Marymoor Park WETLAND C	City	County:	Redmond, I	King County	Sampling Date:		23
Applicant/Owner: King County Investigator(s): Jessica Redman, Maggie Bradshaw	Soot	ion, Township	Pango:	State: Washington S12, T25N, R5E	Sampling Point	:: <u>DP-12</u>	
						Clara (0/)	0
Landform (hillslope, terrace, etc.): Flat		•	concave, co	nvex, none): None		Slope (%): (
Subregion (LRR): LRR A LRR A Soil Map Unit Name: Earlmont silt loam	.at: 47.66228664	121		Long: -122.11399759 NWI classificatio	n: Wetl	Datum: - WG	304
·	of year?	Yes	√ No			and	
Are climatic / hydrologic conditions on the site typical for this time		_		(If no, explain in R	•	s √ No.	
	nificantly disturb			"Normal Circumstances" p , explain any answers in R		s V No	
Are Vegetation <u>no Soil no</u> or Hydrology <u>no na</u> SUMMARY OF FINDINGS – Attach site map sho	turally problemat		•		·		
Hydrophytic Vegetation Present? Yes ✓ No	willy sampli	ng point ic	calions,	transects, importar	it reatures, etc.		
Hydric Soil Present? Yes Vo		Is the	Sampled Ar	ea			
Wetland Hydrology Present? Yes ✓ No			a Wetland?		No		
Remarks:							
VEGETATION – Use scientific names of plants.							
VEGETATION - Ose scientific flames of plants.	Alexalesta	Daminant	La all a a tau		J 4		
Tree Stratum (Plot size: 30 ft/radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test works Number of Dominant Sp			
1.	76 COVEI	opecies:	Status	That Are OBL, FACW, o		1	(A)
2.				That Ale OBE, I AOW, O	ii i Ao.		(^)
3.				Total Number of Domina	ant		
4.				Species Across All Strate		1	(B)
		Total Cover					(-)
Sapling/Shrub Stratum (Plot size: 30 ft/radius)		Total Covol		Percent of Dominant Spe	ecies		
1.				That Are OBL, FACW, o		100	% (A/B)
2.				, , , , ,			, ,
3.				Prevalence Index wor	ksheet:		
4.				Total % Cove	er of:	Multiply by:	
5.				OBL species	,	x 1=	_
	=	Total Cover		FACW species	100	x 2= 200	
Herb Stratum (Plot size: 5 ft/radius)				FAC species		x 3=	
1. Phalaris arundinacea	100	yes	FACW	FACU species		x 4=	
2				UPL species		x 5=	
3				Column Totals:	100 (A)	200	(B)
4							
5				Prevalence Index		2	
6				Hydrophytic Vegetati			
7				yes 1-Rapid Test For		ation	
8				yes 2-Dominance Te			
9				yes 3-Prevalence Ind			
10 11					Adaptations ¹ (Provides or on a separate s		
Woody Vine Stratum (Plot size: 30)	100 =	Total Cover		5-Wetland Non-V	/ascular Plants ¹ ydrophytic Vegetatio	n ¹ (Evolain)	
(1 lot size. 30)							
1				¹ Indicators of hydric so be present, unless dis	-		
Z		Total Cover			sturbed or problemat	IC.	
W Barra Consum d'in Hard Co	=	i otai Covel		Hydrophytic		, ,,	
% Bare Ground in Herb Stratum 0				Vegetation Present?	Yes <u>✓</u>	No	_
Remarks:				<u> rriesentr</u>			
İ							

SOIL Sampling Point: DP-12

Profile Description: (Describe							
Depth	Matrix		Redox Featur		. 2		
(inches) Color (m 0 - 7 10YR 3		Color (mois	t) %	Type ¹	Loc ²	Texture Silt loam	Remarks
0 - 7 10YR 3		00 07 10YR 5/6			PL	Silt loam	
- 10 101KG		10111 0/0		_ —		- Cilit Iodini	
 							
 							
							
_ _ _							
							-
Type: C=Concentration, D=D	enletion RM-Red	uced Matrix CS-Covered	or Coated Sand	I Grains 2	Location: Pl	_=Pore Lining, M=Matrix.	
ydric Soil Indicators: (Applic	•	· · · · · · · · · · · · · · · · · · ·		Grains.		dicators for Problematic	: Hydric Soils ³ :
Historal (A1)		Sandy Bodoy (SE)				2 om Muck (A10)	
Histosol (A1) Histic Epipedon (A2)	_	Sandy Redox (S5) Stripped Matrix (S6)			_	_2 cm Muck (A10) Red Parent Material (TF	=3)
Black Histic (A3)	_		(E1) (avaant Mi	DA 4\	_	_	•
	_	Loamy Mucky Mineral		-KA I)	_	Very Shallow Dark Surf	•
Hydrogen Sulfide (A4)		Loamy Gleyed Matrix (Depleted Matrix (F3)	F2)		_	Other (Explain in Rema	rks)
Depleted Below Dark S	· · · · · ·	<u> </u>	-0)				
Thick Dark Surface (A	· ·	Redox Dark Surface (F	· ·				
Sandy Mucky Mineral (Depleted Dark Surface			31,	adicators of hydrophytic v	egetation and wetland hydrolog
Sandy Gleyed Matrix (S		Redox Depressions (F	8)			ust be present, unless dis	
estrictive Layer (if present):							
Type:							
				Hydrid	Soil Prese	ent? Yes	s √ No
Depth (inches):					J JOH Fresk		
YDROLOGY				1194	. John Fresk		
narks:	e required; check a	all that apply)		1194.11	. John Fresch		icators (2 or more required)
YDROLOGY land Hydrology Indicators:	e required; check a	all that apply) Water-Stained Le	eaves (B9) (exc		. John Fresch	Secondary Ind	icators (2 or more required) Leaves (B9) (MLRA 1,
YDROLOGY land Hydrology Indicators: heary Indicators (minimum of on	e required; check a	Water-Stained Le			. John Fresch	Secondary Ind	, , ,
YDROLOGY land Hydrology Indicators: lary Indicators (minimum of on Surface Water (A1) High Water Table (A2)	e required; check a	Water-Stained Le			. John Fresch	Secondary Ind	Leaves (B9) (MLRA 1 ,
YDROLOGY land Hydrology Indicators: nary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3)	e required; check a	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11))		, John Fresch	Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter	Leaves (B9) (MLRA 1,
YDROLOGY land Hydrology Indicators: nary Indicators (minimum of on Surface Water (A1) High Water Table (A2)	e required; check a	Water-Stained Le	ates (B13)		. John Fresch	Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa	Leaves (B9) (MLRA 1,
YDROLOGY land Hydrology Indicators: nary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1)	e required; check a	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr	ates (B13) Odor (C1)	ept MLRA		Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa	Leaves (B9) (MLRA 1, rns (B10) tter Table (C2) le on Aerial Imagery (C9)
YDROLOGY Iand Hydrology Indicators: nary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	e required; check a	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide	ates (B13) Odor (C1) Oheres along Liv	ept MLRA		Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib	Leaves (B9) (MLRA 1, rns (B10) hter Table (C2) he on Aerial Imagery (C9) sition (D2)
YDROLOGY Iand Hydrology Indicators: nary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	e required; check a	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizosp	ates (B13) Odor (C1) Theres along Livuced Iron (C4)	ept MLRA		Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po	Leaves (B9) (MLRA 1, rns (B10) ster Table (C2) sle on Aerial Imagery (C9) sition (D2) d (D3)
YDROLOGY land Hydrology Indicators: nary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	e required; check a	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red	ates (B13) Odor (C1) Oheres along Liv uced Iron (C4) uction in Tilled S	ept MLRA ing Roots (C		Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te	Leaves (B9) (MLRA 1, rns (B10) ster Table (C2) sle on Aerial Imagery (C9) sition (D2) d (D3)
PAROLOGY Iland Hydrology Indicators: hary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer	ial Imagery (B7)	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1)	ept MLRA ing Roots (C		Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te	Leaves (B9) (MLRA 1, rns (B10) Ater Table (C2) Ale on Aerial Imagery (C9) Assition (D2) Ad (D3) Assition (D5) And (D6) (LRR A)
YDROLOGY Iand Hydrology Indicators: hary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	ial Imagery (B7)	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1)	ept MLRA ing Roots (C		Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) Ater Table (C2) Ale on Aerial Imagery (C9) Assition (D2) Ad (D3) Assition (D5) And (D6) (LRR A)
PAROLOGY Iland Hydrology Indicators: hary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer	ial Imagery (B7)	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1)	ept MLRA ing Roots (C		Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) Ater Table (C2) Ale on Aerial Imagery (C9) Assition (D2) Ad (D3) Assition (D5) And (D6) (LRR A)
YDROLOGY land Hydrology Indicators: hary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer Sparsely Vegetated Cond	ial Imagery (B7)	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1) Remarks)	ept MLRA ing Roots (C		Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) Ater Table (C2) Ale on Aerial Imagery (C9) Assition (D2) Ad (D3) Assition (D5) And (D6) (LRR A)
YDROLOGY Iand Hydrology Indicators: hary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer Sparsely Vegetated Cond	ial Imagery (B7) ave Surface (B8)	Water-Stained Le 1, 2, 4A, and 4B, Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Red Stunted or Stress Other (Explain in	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1) Remarks)	ept MLRA ing Roots (C		Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, Ins (B10) Inter Table (C2) Ide on Aerial Imagery (C9) Isition (D2) Ide (D3) Isit (D5) Inds (D6) (LRR A) Immocks (D7)
YDROLOGY Iand Hydrology Indicators: hary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer Sparsely Vegetated Cond Field Observations: Surface Water Present?	ial Imagery (B7) cave Surface (B8)	Water-Stained Le 1, 2, 4A, and 4B, Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Red Stunted or Stress Other (Explain in	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S sed Plants (D1) Remarks) hes):	ept MLRA ing Roots (C soils (C6) (LRR A)	3)	Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, rns (B10) Ater Table (C2) Ale on Aerial Imagery (C9) Assition (D2) Ad (D3) Assition (D5) And (D6) (LRR A)
PAROLOGY Iland Hydrology Indicators: nary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer Sparsely Vegetated Cond Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	ial Imagery (B7) eave Surface (B8) no yes yes	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Red Stunted or Stress Other (Explain in Depth (Inc. Depth (Inc.)	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S ed Plants (D1) Remarks) hes): hes):	ept MLRA ing Roots (C soils (C6) (LRR A)	3) Wetland Hy	Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, Ins (B10) Inter Table (C2) Ide on Aerial Imagery (C9) Isition (D2) Ide (D3) Isit (D5) Inds (D6) (LRR A) Immocks (D7)
Parks: YDROLOGY Iand Hydrology Indicators: Pary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aere Sparsely Vegetated Concessive C	ial Imagery (B7) eave Surface (B8) no yes yes	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Red Stunted or Stress Other (Explain in Depth (Inc. Depth (Inc.)	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S ed Plants (D1) Remarks) hes): hes):	ept MLRA ing Roots (C soils (C6) (LRR A)	3) Wetland Hy	Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, Ins (B10) Inter Table (C2) Ide on Aerial Imagery (C9) Isition (D2) Id (D3) Isit (D5) Inds (D6) (LRR A) Immocks (D7)
YDROLOGY Iand Hydrology Indicators: hary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer Sparsely Vegetated Conditions: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (streater)	ial Imagery (B7) eave Surface (B8) no yes yes	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Red Stunted or Stress Other (Explain in Depth (Inc. Depth (Inc.)	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S ed Plants (D1) Remarks) hes): hes):	ept MLRA ing Roots (C soils (C6) (LRR A)	3) Wetland Hy	Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, Ins (B10) Inter Table (C2) Ide on Aerial Imagery (C9) Isition (D2) Id (D3) Isit (D5) Inds (D6) (LRR A) Immocks (D7)
PAROLOGY Iland Hydrology Indicators: nary Indicators (minimum of on Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aer Sparsely Vegetated Cond Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	ial Imagery (B7) eave Surface (B8) no yes yes	Water-Stained Le 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Red Stunted or Stress Other (Explain in Depth (Inc. Depth (Inc.)	ates (B13) c Odor (C1) cheres along Liv uced Iron (C4) uction in Tilled S ed Plants (D1) Remarks) hes): hes):	ept MLRA ing Roots (C soils (C6) (LRR A)	3) Wetland Hy	Secondary Ind Water-Stained I 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant Mou	Leaves (B9) (MLRA 1, Ins (B10) Inter Table (C2) Ide on Aerial Imagery (C9) Isition (D2) Ide (D3) Isit (D5) Inds (D6) (LRR A) Immocks (D7)

Project/Site: Marymoor Park Applicant/Owner: King County Parks	City/County:	Redmond, K	State: Washington Sampling Date: State: Sampling Point:	5/11/2023 DP-13
Investigator(s): Jessica Redman	Section, Township	p. Range:	S12, T25N, R5E	20
Landform (hillslope, terrace, etc.): Hillslope	_		nvex, none): Concave	Slope (%): 3
	± 47.6622296667	(Long: -122.114010167	Datum: - WGS84
Soil Map Unit Name: Earlmont silt loam			NWI classification: None	
Are climatic / hydrologic conditions on the site typical for this time o	f year? Yes	√ No	(If no, explain in Remarks.)	
	icantly disturbed?		"Normal Circumstances" present?	√ No
	ally problematic?		explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map show				
Hydrophytic Vegetation Present? Yes _√_ No	_			
Hydric Soil Present? Yes ✓ No		Sampled Are		
Wetland Hydrology Present? Yes No	_ withir	n a Wetland?	Yes No✓	
Remarks: Upland to DP-12				
VEGETATION – Use scientific names of plants.		-		
	Absolute Dominant	Indicator	Dominance Test worksheet:	
	% Cover Species?	Status	Number of Dominant Species	
1			That Are OBL, FACW, or FAC:	1 (A)
2				
3			Total Number of Dominant	4 (D)
4			Species Across All Strata:	1 (B)
Sapling/Shrub Stratum (Plot size: 30 ft/radius)	= Total Cover	r	Percent of Dominant Species	
1			That Are OBL, FACW, or FAC:	100 % (A/B)
			That Are OBE, I AGW, OF I AG.	
3.			Prevalence Index worksheet:	
4.			Total % Cover of:	Multiply by:
5.			OBL species x	1=
	= Total Cover	r	FACW species 100 x	2= 200
Herb Stratum (Plot size: 5 ft/radius)			FAC species x	3=
1. Phalaris arundinacea	100 yes	FACW	FACU species x	4=
2.			UPL species x	5=
3.			Column Totals: 100 (A)	200 (B)
4				
5			Prevalence Index = B/A =	2
6			Hydrophytic Vegetation Indicators:	
7			<u>yes</u> 1-Rapid Test For Hydrophytic Vegetation	on
8			yes 2-Dominance Test is >50%	
9			yes 3-Prevalence Index is ≤3.0 ¹	
10			4-Morphological Adaptations (Provide data in Remarks or on a separate she	
Woody Vine Stratum (Plot size: 30)	= Total Cover	r	5-Wetland Non-Vascular Plants ¹ 6-Problematic Hydrophytic Vegetation ¹	(Explain)
1			1 Indicators of hydric soil and wetland hydrolo	ogy must
2			be present, unless disturbed or problematic.	<u>. </u>
	= Total Cover	r	Hydrophytic	
% Bare Ground in Herb Stratum			Vegetation Yes ✓	No
			Present?	<u> </u>
Remarks:				

SOIL Sampling Point: DP-13

rofile Description:				Features				
Depth inches)	Matrix Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	7.5YR 3/3	100	Color (moist)	76	Type	LUC	Silt loam	Remarks
4 - 8	7.5YR 3/2	85	10YR 4/2	15			Silt loam	
8 - 16	10YR 4/1	97	10YR 4/6	3		PL	Silt Loam	-
<u> </u>						<u> </u>		-
_								-
— <u> </u>	•							
	estion D. Domlotion D		-t-i CC C		-: 21	anation. DI	=Pore Lining, M=Matrix.	
* .	rs: (Applicable to al		atrix, CS=Covered or Coat otherwise noted.)	eu Sanu Gi	allis. L		licators for Problematic	: Hydric Soils ³ :
			•					•
Histosol (A1)			dy Redox (S5)			_	2 cm Muck (A10)	
Histic Epipedo			oped Matrix (S6)			_	Red Parent Material (T	·
Black Histic (A	•		my Mucky Mineral (F1) (ex	cept MLRA	. 1)	_	Very Shallow Dark Surf	·
Hydrogen Sulf	` '		my Gleyed Matrix (F2)				Other (Explain in Rema	ırks)
Depleted Be	elow Dark Surface (A1	1) X Dep	leted Matrix (F3)					
Thick Dark S	Surface (A12)	Rec	lox Dark Surface (F6)					
Sandy Muck	y Mineral (S1)	Dep	leted Dark Surface (F7)			2		
Sandy Gleye	ed Matrix (S4)	Rec	lox Depressions (F8)				dicators of hydrophytic volst be present, unless dis	egetation and wetland hydrolo
strictive Layer (if	present):					1110	ist be present, unless uis	sturbed of problematic.
Type:								
Donath (in also	es):				Hydric	Soil Prese	nt? Ye	s √ No
Depth (inche arks: x meets prominent								
arks: x meets prominent	criteria							
arks: x meets prominent DROLOGY and Hydrology Inc	criteria	check all that a	apply)				Secondary Ind	icators (2 or more required)
arks: x meets prominent DROLOGY and Hydrology Inc	criteria dicators: imum of one required;	check all that a	apply) Water-Stained Leaves (E	39) (except	MLRA			
TOROLOGY and Hydrology Incary Indicators (mini	criteria dicators: mum of one required; r (A1)	check all that a	Water-Stained Leaves (E	39) (except	MLRA		Water-Stained	icators (2 or more required) Leaves (B9) (MLRA 1 ,
ZDROLOGY and Hydrology Incary Indicators (minimum) Surface Water High Water Ta	criteria dicators: mum of one required; r (A1) able (A2)	check all that a		39) (except	MLRA		Water-Stained 2, 4A, and 4B)	Leaves (B9) (MLRA 1,
TDROLOGY and Hydrology Incary Indicators (mini Surface Water High Water Ta Saturation (A3	criteria dicators: mum of one required; r (A1) able (A2)	check all that a	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11)		MLRA		Water-Stained 2, 4A, and 4B) Drainage Patter	Leaves (B9) (MLRA 1,
rks: x meets prominent /DROLOGY and Hydrology Incary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (criteria dicators: imum of one required; r (A1) able (A2) 8) B1)	check all that a	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B	13)	MLRA		Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2)
Arks: A meets prominent A DROLOGY And Hydrology Incary Indicators (minited of the content of	criteria dicators: imum of one required; r (A1) able (A2) (B1) posits (B2)	check all that a	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (6)	13) C1)		3)	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Water Saturation Visib	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9)
Arks: A meets prominent A DROLOGY And Hydrology Incary Indicators (miniter of the content of	criteria dicators: imum of one required; r (A1) able (A2) (B1) posits (B2) (B3)	check all that a	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a	I3) C1) Ilong Living		3)	Water-Stained 2, 4A, and 4B) Drainage Pattel Dry-Season Wa Saturation Visib Geomorphic Po	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2)
Arks: A meets prominent A DROLOGY And Hydrology Incary Indicators (minited of the content of	criteria dicators: imum of one required; r (A1) able (A2) (B1) cosits (B2) (B3) crust (B4)	check all that a	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (6)	I3) C1) Ilong Living n (C4)	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Water Saturation Visib	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3)
TDROLOGY and Hydrology Incary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	criteria dicators: imum of one required; r (A1) able (A2) B1) rosits (B2) (B3) crust (B4) (B5)	check all that a	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B11) Hydrogen Sulfide Odor (Odor (Invertebrates and Invertebrates and Inv	I3) C1) Ilong Living n (C4) Tilled Soils	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visit Geomorphic Po Shallow Aquitar FAC-Neutral Te	rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3)
Print Deposits Algal Mat or C Iron Deposits Surface Soil C	criteria dicators: imum of one required; r (A1) able (A2) B1) rosits (B2) (B3) crust (B4) (B5)		Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan	I3) C1) Ilong Living n (C4) Tilled Soils its (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visit Geomorphic Po Shallow Aquitar FAC-Neutral Te	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3) est (D5) unds (D6) (LRR A)
ron Deposits (Surface Soil Cultured)	criteria dicators: imum of one required; r (A1) able (A2) B1) posits (B2) (B3) crust (B4) (B5) cracks (B6)	(B7)	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in	I3) C1) Ilong Living n (C4) Tilled Soils its (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visit Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant More	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3) est (D5) unds (D6) (LRR A)
ron Deposits (Surface Soil Cultured)	criteria dicators: imum of one required; r (A1) able (A2) B1) cosits (B2) (B3) crust (B4) (B5) cracks (B6) cible on Aerial Imagery etated Concave Surface	(B7)	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan	I3) C1) Ilong Living n (C4) Tilled Soils its (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visit Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant More	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sistion (D2) rd (D3) est (D5) unds (D6) (LRR A)
TOROLOGY and Hydrology Inc ary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege	criteria dicators: mum of one required; r (A1) able (A2) B1) cosits (B2) (B3) crust (B4) (B5) cracks (B6) cible on Aerial Imagery etated Concave Surface	(B7) ce (B8)	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan	I3) C1) Ilong Living n (C4) Tilled Soils its (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visit Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant More	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3) est (D5) unds (D6) (LRR A)
Arks: Ar meets prominent Autorology Inc Ary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations	criteria dicators: imum of one required; r (A1) able (A2) B1) cosits (B2) (B3) crust (B4) (B5) cracks (B6) cible on Aerial Imagery etated Concave Surface	(B7) ce (B8)	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark	I3) C1) Ilong Living n (C4) Tilled Soils its (D1) (LR	Roots (C3	3)	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visit Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant More	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)
Arks: A meets prominent Autor longy Inc Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Pres	criteria dicators: imum of one required; r (A1) able (A2) B1) cosits (B2) (B3) crust (B4) (B5) cracks (B6) cible on Aerial Imagery etated Concave Surface si: eent? n	(B7) ————————————————————————————————————	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark	I3) C1) Ilong Living n (C4) Tilled Soils its (D1) (LR	Roots (C3 (C6) R A)		Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visit Geomorphic Po Shallow Aquitar FAC-Neutral Te Raised Ant More	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)
Arks: A meets prominent A mand Hydrology Incary Indicators (mini) Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Preser Saturation Present? Sincludes capillary free	criteria dicators: imum of one required; r (A1) able (A2) B) (B1) cosits (B2) (B3) crust (B4) (B5) cracks (B6) sible on Aerial Imagery etated Concave Surface sent? nt? nt? n	(B7) ce (B8)	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark Depth (Inches): Depth (Inches): Depth (Inches):	13) C1) llong Living n (C4) Tilled Soils tts (D1) (LR	Roots (C3 (C6) R A)	/etland Hyc	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Ter Raised Ant Mou Frost-Heave Hu	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)
Arks: A meets prominent A mand Hydrology Incary Indicators (mini) Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Preser Saturation Present? Sincludes capillary free	criteria dicators: imum of one required; r (A1) able (A2) B) (B1) cosits (B2) (B3) crust (B4) (B5) cracks (B6) sible on Aerial Imagery etated Concave Surface sent? nt? nt? n	(B7) ce (B8)	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B: Hydrogen Sulfide Odor (COXIDITION OF COXIDITION OF COX	13) C1) llong Living n (C4) Tilled Soils tts (D1) (LR	Roots (C3 (C6) R A)	/etland Hyc	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Ter Raised Ant Mou Frost-Heave Hu	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)
Arks: A meets prominent A meet	criteria dicators: imum of one required; r (A1) able (A2) B) (B1) cosits (B2) (B3) crust (B4) (B5) cracks (B6) sible on Aerial Imagery etated Concave Surface sent? nt? nt? n	(B7) ce (B8)	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark Depth (Inches): Depth (Inches): Depth (Inches):	13) C1) llong Living n (C4) Tilled Soils tts (D1) (LR	Roots (C3 (C6) R A)	/etland Hyc	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Ter Raised Ant Mou Frost-Heave Hu	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3) set (D5) unds (D6) (LRR A) ummocks (D7)
Arks: A meets prominent A mand Hydrology Incary Indicators (mini) Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege Field Observations Surface Water Preser Saturation Present? Sincludes capillary free	criteria dicators: imum of one required; r (A1) able (A2) B) (B1) cosits (B2) (B3) crust (B4) (B5) cracks (B6) sible on Aerial Imagery etated Concave Surface sent? nt? nt? n	(B7) ce (B8)	Water-Stained Leaves (E 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B Hydrogen Sulfide Odor (I Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plar Other (Explain in Remark Depth (Inches): Depth (Inches): Depth (Inches):	13) C1) llong Living n (C4) Tilled Soils tts (D1) (LR	Roots (C3 (C6) R A)	/etland Hyc	Water-Stained 2, 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Ter Raised Ant Mou Frost-Heave Hu	Leaves (B9) (MLRA 1, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) sition (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)

Project/Site: Marymoor Park WETLAND B Applicant/Owner: King County	City/County:	Redmond, Kin		ampling Date: ampling Point:	5/11/2023 DP-14	3
Investigator(s): Jessica Redman	Section, Township	p, Range:	S12, T25N, R5E			
Landform (hillslope, terrace, etc.): Depression/Abando			ex, none): Concave		Slope (%): 3	3
	±: 47.6630385		Long: -122.1141765		Datum: - WGS	
Soil Map Unit Name: Earlmont silt loam			NWI classification:	Wetland		
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes	√ No	(If no, explain in Remark	.s.)		
	ficantly disturbed?		- lormal Circumstances" present	-	✓ No	
	rally problematic?		xplain any answers in Remarks			
SUMMARY OF FINDINGS – Attach site map show		•		•		
Hydrophytic Vegetation Present? Yes ✓ No						
Hydric Soil Present? Yes <u>√</u> No	Is the	Sampled Area	ı			
Wetland Hydrology Present? Yes _✓ No	_ within	n a Wetland?	Yes <u>√</u>	No		
VEGETATION – Use scientific names of plants						
VEGETATION – Use scientific names of plants.						
	Absolute Dominant		Dominance Test worksheet:			
	% Cover Species?		Number of Dominant Species			(4)
1			That Are OBL, FACW, or FAC:	•	1	_ (A)
2			Fatal Number of Daminant			
3. 4.			Fotal Number of Dominant Species Across All Strata:		1	(B)
	Total Cava		species Across Air Strata.			_ (D)
Sapling/Shrub Stratum (Plot size: 30 ft/radius)	= Total Cover		Percent of Dominant Species			
1			That Are OBL, FACW, or FAC:		100	% (A/B)
-		—— I'	nat Ale ODE, I AOW, OI I AO.	•	100	70 (A/D)
3.			Prevalence Index worksheet	t:		
4.			Total % Cover of:	ſ	Multiply by:	
5.			OBL species	x	1=	_
	= Total Cover	r F	ACW species 3		2= 70	
Herb Stratum (Plot size: 5 ft/radius)			FAC species	x	3=	
1. Phalaris arundinacea	35 yes	FACW F	FACU species	x	4=	
2.		l	JPL species	x	5=	
3.			Column Totals: 3	35 (A)	70	 (B)
4.					<u>-</u>	
5.			Prevalence Index = B/A :	=	2	
6			Hydrophytic Vegetation Indi	icators:		
7			yes 1-Rapid Test For Hydro	phytic Vegetation	n	
8			yes 2-Dominance Test is >5			
9			yes 3-Prevalence Index is ≤			
10 11			4-Morphological Adapta data in Remarks or or			
Woody Vine Stratum (Plot size: 30)	= Total Cover	r	5-Wetland Non-Vascula 6-Problematic Hydrophy		Explain)	
1			1 Indicators of hydric soil and	wetland hydrolog	gy must	
2			be present, unless disturbed			
	= Total Cover	, н	lydrophytic			
- 8 Bare Ground in Herb Stratum 65		II ''	egetation	Yes ✓	No	
			Present?			
Remarks:						
Bare ground covered with dead PHAR						

SOIL Sampling Point: DP-14

hes) Col	or (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
	OYR 2/2	100			- 7/		Sandy loam	
	.5Y 4/1	97	10YR 5/4	3	С	PL	Loamy sand	-
								
					-			
no: C-Concontration	D-Doplotion PM-	-Poducod N	Matrix, CS=Covered or Coate	nd Sand Gr	nine ² I	ocation: DI	_=Pore Lining, M=Matri	·
ic Soil Indicators: (A	•			su Sanu Gr	лио. L		dicators for Problema	
ic 3011 illulcators. (A	applicable to all L	XIXS, UIIICS	ss offici wise floted.)				uicators for Froblema	tic riyuric 30iis .
_Histosol (A1)		Sa	andy Redox (S5)				_ 2 cm Muck (A10)	
_Histic Epipedon (A2)	St	ripped Matrix (S6)				Red Parent Material	(TF2)
Black Histic (A3)		Lo	amy Mucky Mineral (F1) (ex	cept MLRA	.1)		Very Shallow Dark S	urface (TF12)
Hydrogen Sulfide (A	4)	Lo	amy Gleyed Matrix (F2)				Other (Explain in Rer	narks)
Depleted Below D	Dark Surface (A11)	X De	epleted Matrix (F3)				_	
Thick Dark Surfac		Re	edox Dark Surface (F6)					
Sandy Mucky Min			epleted Dark Surface (F7)					
Sandy Gleyed Ma	trix (S4)		edox Depressions (F8)			³ lr	ndicators of hydrophytic	vegetation and wetland hydro
<u> </u>						mı	ust be present, unless	disturbed or problematic.
rictive Layer (if prese	-							
Type: likely hard						_		
Depth (inches):	11 11				Hydric	Soil Prese	ent?	/es <u>√</u> No
Depth (inches): (SS:	11				Hydric	Soil Prese	ent?	/esNo
Depth (inches):	11	eck all that	t apply)		Hydric	Soil Prese		resNo
Depth (inches): ss: ROLOGY d Hydrology Indicator Indicators (minimum	11	eck all that		9) (except		Soil Prese	Secondary I	ndicators (2 or more required)
Depth (inches): SS: ROLOGY d Hydrology Indicator Indicators (minimum Surface Water (A1)	11 ors: of one required; ch	eck all that	Water-Stained Leaves (B	9) (except		Soil Prese	Secondary li	ndicators (2 or more required) d Leaves (B9) (MLRA 1,
Depth (inches): SS: ROLOGY d Hydrology Indicator Indicators (minimum Surface Water (A1) High Water Table (A	11 ors: of one required; ch	eck all that	Water-Stained Leaves (B	9) (except		Soil Prese	Secondary In Water-Staine 2, 4A, and 4E	ndicators (2 or more required) d Leaves (B9) (MLRA 1,
Depth (inches): (SS: ROLOGY d Hydrology Indicator Indicators (minimum Surface Water (A1) High Water Table (A) Saturation (A3)	11 ors: of one required; ch	eck all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11)			Soil Prese	Secondary In Water-Staine 2, 4A, and 4E Drainage Pat	ndicators (2 or more required) d Leaves (B9) (MLRA 1,
Depth (inches): (SS: ROLOGY d Hydrology Indicator Indicators (minimum Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1)	ors: of one required; ch	eck all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1	3)		Soil Prese	Secondary In Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season W	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2)
ROLOGY d Hydrology Indicator Indicators (minimum Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits	ors: of one required; ch	eck all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C	3)	MLRA		Secondary In Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9)
Depth (inches): (SS: ROLOGY d Hydrology Indicator Indicators (minimum Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3)	ors: of one required; ch	eck all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a	3) C1) long Living	MLRA		Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2)
Depth (inches): (SS: ROLOGY d Hydrology Indicator (Indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (I	ors: of one required; ch	eck all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iro	3) C1) long Living n (C4)	MLRA Roots (C3		Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3)
Depth (inches): ISS: ROLOGY d Hydrology Indicator (Indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (III Iron Deposits (B5)	ors: of one required; ch	eck all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in	3) C1) long Living n (C4) Tilled Soils	MLRA Roots (C3		Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5)
Depth (inches): is: ROLOGY d Hydrology Indicator (Indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (III) Iron Deposits (B5) Surface Soil Cracks	ors: of one required; ch A2) (B2) (B4) (B6)	-	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in Stunted or Stressed Plan	3) C1) long Living n (C4) Tilled Soils ts (D1) (LR	MLRA Roots (C3		Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A)
Depth (inches): ISS: ROLOGY d Hydrology Indicator (Indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (III Iron Deposits (B5)	nrs: of one required; ch A2) (B2) (B4) (B6) n Aerial Imagery (E		Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in	3) C1) long Living n (C4) Tilled Soils ts (D1) (LR	MLRA Roots (C3		Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5)
Depth (inches): (SS: ROLOGY d Hydrology Indicator Indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (III) Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated	nrs: of one required; ch A2) (B2) (B4) (B6) n Aerial Imagery (E		Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in Stunted or Stressed Plan	3) C1) long Living n (C4) Tilled Soils ts (D1) (LR	MLRA Roots (C3		Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A)
Depth (inches): (SS: ROLOGY d Hydrology Indicator Indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (II) Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated	11 ors: of one required; ch A2) (B2) B4) (B6) n Aerial Imagery (E Concave Surface		Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark	3) C1) long Living n (C4) Tilled Soils ts (D1) (LR	MLRA Roots (C3		Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A)
Depth (inches): (SS: ROLOGY d Hydrology Indicator Indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (I) Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Indicators (March 1998) March 1998 Surface Soil Cracks Inundation Visible of Sparsely Vegetated	nrs: of one required; ch A2) (B2) (B4) (B6) n Aerial Imagery (E Concave Surface		Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark	3) long Living n (C4) Tilled Soils ts (D1) (LR	MLRA Roots (C3		Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A)
Depth (inches): (SS: ROLOGY d Hydrology Indicator Indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (I) Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Indicators (Material Inches) Sparsely Vegetated Indicators (Material Inches) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Indicators (Material Inches) Sparsely Vegetated Indicators (Material Inches) Surface Water Present? Surface Water Present?	11 ors: of one required; ch A2) (B2) (B4) (B6) n Aerial Imagery (E Concave Surface		Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark	3) long Living n (C4) Tilled Soils ts (D1) (LR s)	MLRA Roots (C3 (C6) (R A)	3)	Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
Depth (inches): (SS: ROLOGY d Hydrology Indicator (indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (I) Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Id Observations: face Water Present? ter Table Present? uration Present?	nrs: of one required; ch A2) (B2) (B4) (B6) n Aerial Imagery (E Concave Surface		Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark	3) long Living n (C4) Tilled Soils ts (D1) (LR	MLRA Roots (C3 (C6) (R A)	3)	Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aqui FAC-Neutral Raised Ant M	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A)
Depth (inches): (SS: ROLOGY d Hydrology Indicator (indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (I) Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Id Observations: face Water Present? ter Table Present? uration Present? ludes capillary fringe)	11 ors: of one required; ch A2) (B2) (B4) (B6) n Aerial Imagery (E Concave Surface no yes yes	37) (B8)	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark Depth (Inches): Depth (Inches):	3) long Living n (C4) Tilled Soils ts (D1) (LR s)	MLRA Roots (C3 (C6) R A)	3) /etland Hy	Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
Depth (inches): (SS: ROLOGY d Hydrology Indicator (indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (I) Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Id Observations: face Water Present? ter Table Present? uration Present? ludes capillary fringe)	11 ors: of one required; ch A2) (B2) (B4) (B6) n Aerial Imagery (E Concave Surface no yes yes	37) (B8)	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark	3) long Living n (C4) Tilled Soils ts (D1) (LR s)	MLRA Roots (C3 (C6) R A)	3) /etland Hy	Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
Depth (inches): (SS: ROLOGY d Hydrology Indicator (indicators (minimum) Surface Water (A1) High Water Table (A) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (I) Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Id Observations: face Water Present? ter Table Present? uration Present? ludes capillary fringe)	11 ors: of one required; ch A2) (B2) (B4) (B6) n Aerial Imagery (E Concave Surface no yes yes	37) (B8)	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iro Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark Depth (Inches): Depth (Inches):	3) long Living n (C4) Tilled Soils ts (D1) (LR s)	MLRA Roots (C3 (C6) R A)	3) /etland Hy	Secondary II Water-Staine 2, 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	ndicators (2 or more required) d Leaves (B9) (MLRA 1, s) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)

Project/Site: Marymoor Park WETLAND B Applicant/Owner: King County	C	ity/County:	Redmond, I	King County State: Washington	Sampling Date: Sampling Point:	5/11/202 DP-15	3
Investigator(s): Jessica Redman, Maggie Bradshaw	S	ection, Township,	. Range:	S12, T25N, R5E		20	
Landform (hillslope, terrace, etc.): Channel (abandoned)				nvex, none): Concave		Slope (%):	1
	 at: 47.663161		00110470, 00	Long: -122.114149858		Datum: - WG	
Soil Map Unit Name: Earlmont silt loam	at. 47.000101	302		NWI classification:	None	Datam. WO	004
Are climatic / hydrologic conditions on the site typical for this time	of year?	Yes	√ No	(If no, explain in Re			
		_			•	√ Na	
	nificantly distu urally problem			"Normal Circumstances" pro , explain any answers in Rei		No	
<u> </u>			•		•		
SUMMARY OF FINDINGS – Attach site map show	wing samp	oling point lo	cations,	transects, important	features, etc.		
Hydrophytic Vegetation Present? Yes ✓ No							
Hydric Soil Present? Yes No✓	_		Sampled Ar				
Wetland Hydrology Present? Yes <u>✓</u> No	_	within	a Wetland?	Yes	No <u>✓</u>		
Remarks:							
VEGETATION – Use scientific names of plants.							
	Absolute	Dominant	Indicator	Dominance Test worksh	eet:		
Tree Stratum (Plot size: 30 ft/radius)	% Cover	Species?	Status	Number of Dominant Spec	cies		
1.				That Are OBL, FACW, or I	FAC:	1	(A)
2.							
3.				Total Number of Dominan	t		
4				Species Across All Strata:		1	(B)
	=	Total Cover					
Sapling/Shrub Stratum (Plot size: 30 ft/radius)				Percent of Dominant Spec			
1				That Are OBL, FACW, or I	FAC:	100	% (A/B)
2				Danielania la danimala	-b		
3				Prevalence Index works		Multiply by	
4				Total % Cover		Multiply by: 1= 0	_
5		Total Cover		FACW species			_
Herb Stratum (Plot size: 5 ft/radius)	=	Total Cover		FACW species FAC species	100 x 0 x	2= <u>200</u> 3= 0	_
1 Phalaris arundinacea	100	yes	FACW	FACU species			_
2.		you	171011	UPL species			_
3.				Column Totals:	0 x 100 (A)	5=	(D)
3		_		Column Totals.	(A)	200	(B)
5.				Prevalence Index =	: B/A =	2	
6.				Hydrophytic Vegetation			
7.				yes 1-Rapid Test For H	Hydrophytic Vegetati	on	
8.				yes 2-Dominance Test	is >50%		
9.				yes 3-Prevalence Inde	x is ≤3.0 ¹		
10					daptations ¹ (Provide or on a separate sh		
11	100 =	Total Cover		5-Wetland Non-Va		,	
Woody Vine Stratum (Plot size: 30)				6-Problematic Hyd	Irophytic Vegetation ¹	(Explain)	
1				1 Indicators of hydric soil	l and wetland hydrol	ogy must	
2				be present, unless distu	urbed or problematic		
	=	Total Cover		Hydrophytic			
% Bare Ground in Herb Stratum 0				Vegetation	Yes ✓	No	
				Present?			_
Remarks:							

SOIL Sampling Point: DP-15 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Matrix Redox Features Depth (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 10 10YR 2/2 100 Sandy loam Cobbles ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) 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) Loamy Gleyed Matrix (F2) Hydrogen Sulfide (A4) Other (Explain in Remarks) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) ³Indicators of hydrophytic vegetation and wetland hydrology Sandy Gleyed Matrix (S4) Redox Depressions (F8) must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: Hardpan 10 Depth (inches): **Hydric Soil Present?** Remarks: **HYDROLOGY**

Surface Water (A1) High Water Table (A2)		Water-Stained Leaves (B9) (exc	cept MLRA	Water-Stained L	eaves (B9) (MLRA 1,
riigii vvatci rabic (/tz/	•	1, 2, 4A, and 4B)		2, 4A, and 4B)	, , ,
Saturation (A3)		Salt Crust (B11)		Drainage Patteri	ns (B10)
Water Marks (B1)	•	Aquatic Invertebrates (B13)		Dry-Season Wa	* *
Sediment Deposits (B2)		Hydrogen Sulfide Odor (C1)			e on Aerial Imagery (C9)
Drift Deposits (B3)		Oxidized Rhizospheres along Li	wing Poots (C3)	Geomorphic Pos	
Algal Mat or Crust (B4)		Presence of Reduced Iron (C4)	Vilig 10003 (CO)	Shallow Aquitare	(,
Iron Deposits (B5)		Recent Iron Reduction in Tilled	Soils (C6)	FAC-Neutral Tes	` '
Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)	, ,		nds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)		Other (Explain in Remarks)		Frost-Heave Hu	mmocks (D7)
ld Observations:					
	no	Depth (Inches):			
tace Water Present?					
	no	Depth (Inches):			,
face Water Present? ter Table Present? uration Present?	no yes	Depth (Inches): Depth (Inches):	5 Wetland H	Hydrology Present?	Yes <u>√</u> No

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

Project/Site: Marymoor Park	City/County:	Redmond,	King County	Sampling Date:	5/11/202	23
Applicant/Owner: King County			State: Washington	Sampling Point:	DP-16U	
Investigator(s): Jessica Redman, Maggie Bradshaw	Section, Towr	nship, Range:	S12, T25N, R5E			
Landform (hillslope, terrace, etc.):	Local re	elief (concave, co	onvex, none): None		Slope (%):	0
Subregion (LRR): LRR A La	at: 47.6632724043		Long: -122.112533817		Datum: - WG	SS84
Soil Map Unit Name: Earlmont silt loam			NWI classification:	None		
Are climatic / hydrologic conditions on the site typical for this time	of year? Ye	es <u>√</u> No _	(If no, explain in Re	marks.)		
Are Vegetation <u>no</u> Soil <u>no</u> or Hydrology <u>no</u> sign	nificantly disturbed?	Are	e "Normal Circumstances" pr	esent? Yes	No	
Are Vegetation <u>no</u> Soil <u>no</u> or Hydrology <u>no</u> nat	urally problematic?	(If needed	l, explain any answers in Rei	marks.)		
SUMMARY OF FINDINGS – Attach site map sho	wing sampling poi	nt locations	. transects. importan	t features, etc.		
Hydrophytic Vegetation Present? Yes √ No	3 - 1 31 -		, , , , , , , , , , , , , , , , , , , ,			
Hydric Soil Present? Yes ✓ No	 Is	the Sampled A	rea			
Wetland Hydrology Present? Yes No	w	ithin a Wetland	? Yes	No _ ✓		
Remarks:						
· tomano						
VEGETATION – Use scientific names of plants.						
	Absolute Dominant	t Indicator	Dominance Test worksh	eet:		
Tree Stratum (Plot size: 30 ft/radius)	% Cover Species?	Status	Number of Dominant Spec			
1			That Are OBL, FACW, or I	FAC:	2	(A)
2						
3.			Total Number of Dominan		_	
4			Species Across All Strata:		2	(B)
Sapling/Shrub Stratum (Plot size: 10 ft/radius)	= Total Co	over	Dereant of Deminant Cree	nia a		
Sapling/Shrub Stratum (Plot size: 10 ft/radius) 1. Spiraea douglasii	10 yes	FACW	Percent of Dominant Spec		100	0/ /A/D)
· · · · · · · · · · · · · · · · · · ·	10 yes		That Are OBL, FACW, or	FAC:	100	% (A/B)
2. 3.			Prevalence Index works	sheet:		
4			Total % Cover		Multiply by:	
5.			OBL species	<u>x</u>	1=	
	10 = Total Co	over	FACW species	110 x	2= 220	
Herb Stratum (Plot size: 5 ft/radius)			FAC species	x	3=	
1. Phalaris arundinacea	100 yes	FACW	FACU species	x	4=	
2.			UPL species	x	5=	
3.			Column Totals:	110 (A)	220	(B)
4.						
5			Prevalence Index =		2	
6			Hydrophytic Vegetation			
7			yes 1-Rapid Test For I		on	
8			yes 2-Dominance Test			
9			yes 3-Prevalence Inde			
10				daptations ¹ (Provide or on a separate sh		
11	400				eet)	
	= Total Co	over	5-Wetland Non-Va		L=	
Woody Vine Stratum (Plot size: 30)			_ 	Irophytic Vegetation ¹		
1			¹ Indicators of hydric soi	-		
2			be present, unless distu	urbed or problematic.		
	= Total Co	over	Hydrophytic			
% Bare Ground in Herb Stratum 0			Vegetation	Yes <u>√</u>	No	_
Pomorko:			Present?			
Remarks:						

onie Description.	: (Describe to the de	pth needed to	document the indicator of	or confirm t	he absen	ce of indic	ators.)		
epth	Matrix		Redox	Features					
nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0 - 9	10YR 2/2	100	, ,				Silt loam		
9 - 18	10YR 4/2	98	10YR 5/6	2	С	PL	Silt loam		
								_	
— <u> </u>									
		M. Deduced M			21		Daniel Links of M. M.		
	•		latrix, CS=Covered or Coate	ed Sand Gr	ains. L		=Pore Lining, M=Ma		.:3.
iric Soli Indicato	rs: (Applicable to al	I LKKS, uniess	s otnerwise noted.)			ina	icators for Probler	natic Hydric So	olis":
Histosol (A1)		Sar	ndy Redox (S5)				2 cm Muck (A10)		
Histic Epipedo	on (A2)	Stri	pped Matrix (S6)				Red Parent Materia	al (TF2)	
Black Histic (A	1 3)	Loa	my Mucky Mineral (F1) (ex	cept MLRA	1)		Very Shallow Dark	Surface (TF12)	
Hydrogen Sulf	` '		my Gleyed Matrix (F2)				Other (Explain in R	Remarks)	
Depleted Be	elow Dark Surface (A1	1) X Dep	oleted Matrix (F3)						
	Surface (A12)		dox Dark Surface (F6)						
	y Mineral (S1)	Dep	oleted Dark Surface (F7)			3,			
Sandy Gleye	ed Matrix (S4)	Red	dox Depressions (F8)				dicators of hydrophy st be present, unles		
strictive Layer (if	nrocont):				1	1110	ot be present, unies	o distarbed or p	robicinatio.
SUICUVE LAVEI III									
	present).								
Type: Depth (inche					Hydric	Soil Preser	nt?	Yes <u>√</u>	_No
Type: Depth (inche					Hydric	Soil Preser	nt?	Yes	_No
Type: Depth (inche	es):				Hydric	Soil Preser	nt?	Yes	No
Type: Depth (incherks: DROLOGY nd Hydrology Inc	es):	check all that	apply)		Hydric	Soil Preser			Nor more required)
Type: Depth (incherks: DROLOGY nd Hydrology Inc	dicators:	check all that	<u>apply)</u> Water-Stained Leaves (B	9) (except		Soil Preser	Secondary		r more required)
Type: Depth (incher) rks: DROLOGY nd Hydrology Incry Indicators (mini	dicators: imum of one required; r (A1)	check all that		9) (except l		Soil Preser	Secondary	y Indicators (2 o ned Leaves (B9	r more required)
Type: Depth (incherks: DROLOGY Ind Hydrology Indicators (minimal Surface Water	dicators: imum of one required; r (A1) able (A2)	check all that	Water-Stained Leaves (B	9) (except		Soil Preser	Secondar Water-Stair 2, 4A, and	y Indicators (2 o ned Leaves (B9	r more required)
Type: Depth (incherks: DROLOGY Ind Hydrology Indicators (minimum Surface Water High Water Tallock)	dicators: imum of one required; r (A1) able (A2)	check all that	Water-Stained Leaves (B	,, .		Soil Preser	Secondar Water-Stair 2, 4A, and Drainage P	y Indicators (2 o ned Leaves (B9	r more required)
Type: Depth (incher rks: DROLOGY Ind Hydrology Indicators (minited states and minited states) Surface Water High Water Tates and Water Marks (Sediment Dep	dicators: imum of one required; r (A1) able (A2) 3) (B1) posits (B2)	check all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C	3)	MLRA		Secondar Water-Stair 2, 4A, and Drainage P Dry-Seasor Saturation	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table (Visible on Aeria	r more required)) (MLRA 1,
Type: Depth (incher rks: DROLOGY Ind Hydrology Incry Indicators (minimum Surface Water High Water Tate Saturation (A3) Water Marks (Sediment Deporift Deposits	dicators: imum of one required; r (A1) able (A2) 3) (B1) posits (B2) (B3)	check all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a	3) C1) long Living	MLRA		Secondary Water-Stair 2, 4A, and Drainage P Dry-Seasor Saturation Geomorphi	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table (Visible on Aeria ic Position (D2)	r more required)) (MLRA 1,
Type: Depth (inche rks: DROLOGY nd Hydrology Inc ry Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C	dicators: imum of one required; r (A1) able (A2) 3) (B1) posits (B2) (B3) Crust (B4)	check all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron	3) C1) long Living n (C4)	MLRA Roots (C3		Secondar Water-Stair 2, 4A, and Drainage P Dry-Seasor Saturation Geomorphi Shallow Aq	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table ((Visible on Aeria ic Position (D2) quitard (D3)	r more required)) (MLRA 1,
Type: Depth (inche rks: DROLOGY nd Hydrology Inc ry Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (dicators: imum of one required; r (A1) able (A2) 3) (B1) posits (B2) (B3) Crust (B4) (B5)	check all that	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in	3) C1) long Living n (C4) Tilled Soils	MLRA Roots (C3		Secondary Water-Stain 2, 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Aq FAC-Neutra	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table ((Visible on Aeria ic Position (D2) quitard (D3) al Test (D5)	r more required)) (MLRA 1, C2) I Imagery (C9)
Type: Depth (inche rks: DROLOGY nd Hydrology Inc ry Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C	dicators: imum of one required; r (A1) able (A2) 3) (B1) posits (B2) (B3) crust (B4) (B5) Cracks (B6)		Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in Stunted or Stressed Plan	3) C1) long Living n (C4) Tilled Soils ts (D1) (LRI	MLRA Roots (C3		Secondary Water-Stain 2, 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Aq FAC-Neutra	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table ((Visible on Aeria ic Position (D2) quitard (D3) al Test (D5) t Mounds (D6) (L	r more required)) (MLRA 1, C2) I Imagery (C9)
Type: Depth (incher rks: DROLOGY Ind Hydrology Incry Indicators (minited of the continuous of the co	dicators: imum of one required; r (A1) able (A2) 3) (B1) posits (B2) (B3) Crust (B4) (B5)	(B7)	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in	3) C1) long Living n (C4) Tilled Soils ts (D1) (LRI	MLRA Roots (C3		Secondary Water-Stain 2, 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Aq FAC-Neutra	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table ((Visible on Aeria ic Position (D2) quitard (D3) al Test (D5)	r more required)) (MLRA 1, C2) I Imagery (C9)
Type: Depth (inche rks: DROLOGY nd Hydrology Inc ry Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege	dicators: imum of one required; r (A1) able (A2) B) (B1) cosits (B2) (B3) Crust (B4) (B5) Cracks (B6) sible on Aerial Imagery etated Concave Surface	(B7) ce (B8)	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark	3) C1) long Living n (C4) Tilled Soils ts (D1) (LRI	MLRA Roots (C3		Secondary Water-Stain 2, 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Aq FAC-Neutra	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table ((Visible on Aeria ic Position (D2) quitard (D3) al Test (D5) t Mounds (D6) (L	r more required)) (MLRA 1, C2) I Imagery (C9)
Type: Depth (inche rks: DROLOGY nd Hydrology Inc ry Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege eld Observations urface Water Pres	dicators: imum of one required; r (A1) able (A2) 3) (B1) posits (B2) (B3) Crust (B4) (B5) Cracks (B6) sible on Aerial Imagery etated Concave Surface	(B7) ce (B8)	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in Stunted or Stressed Plan	3) C1) long Living n (C4) Tilled Soils ts (D1) (LRI	MLRA Roots (C3		Secondary Water-Stain 2, 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Aq FAC-Neutra	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table ((Visible on Aeria ic Position (D2) quitard (D3) al Test (D5) t Mounds (D6) (L	r more required)) (MLRA 1, C2) I Imagery (C9)
Type: Depth (inche rks: DROLOGY nd Hydrology Inc ry Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or C Iron Deposits (Surface Soil C Inundation Vis Sparsely Vege eld Observations arface Water Preservations arter Table Preservations	dicators: imum of one required; r (A1) able (A2) 3) (B1) posits (B2) (B3) Crust (B4) (B5) Cracks (B6) sible on Aerial Imagery etated Concave Surface s: ent? nt?	(B7) ce (B8)	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark	3) C1) long Living n (C4) Tilled Soils ts (D1) (LRI	MLRA Roots (C3 (C6) R A)	•)	Secondary Water-Stain 2, 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Aq FAC-Neutra	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table ((Visible on Aeria ic Position (D2) quitard (D3) al Test (D5) t Mounds (D6) (L	r more required)) (MLRA 1, C2) I Imagery (C9) LRR A)
Type: Depth (inche arks: DROLOGY and Hydrology Incary Indicators (mini Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Algal Mat or CI Iron Deposits (Surface Soil CI Inundation Vis	dicators: imum of one required; r (A1) able (A2) 3) (B1) cosits (B2) (B3) crust (B4) (B5) Cracks (B6) sible on Aerial Imagery etated Concave Surface s: ent? nt? nt	(B7) ce (B8)	Water-Stained Leaves (B 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres a Presence of Reduced Iron Recent Iron Reduction in Stunted or Stressed Plan Other (Explain in Remark Depth (Inches): Depth (Inches):	3) C1) long Living n (C4) Tilled Soils ts (D1) (LRI	MLRA Roots (C3 (C6) R A)	•)	Secondary Water-Stain 2, 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Act FAC-Neutra Raised Ant Frost-Heav	y Indicators (2 o ned Leaves (B9 4B) Patterns (B10) n Water Table (0 Visible on Aeria ic Position (D2) quitard (D3) al Test (D5) t Mounds (D6) (L	r more required)) (MLRA 1, C2) I Imagery (C9) LRR A)

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

Project/Site: Marymoor Park Applicant/Owner: King County	(City/County:	Redmond,	King County State: Washington	Sampling Date: Sampling Point:	5/11/2023 DP : 17	3
Investigator(s): Jessica Redman, Maggie Bradshaw		Section, Township	Range:	S12, T25N, R5E		<u> </u>	
Landform (hillslope, terrace, etc.): Ditch				nvex, none): None		Slope (%): 0	1
	 Lat: 47.66390	•	00110010, 00	Long: -122.112241		Datum: - WGS	
Soil Map Unit Name: Earlmont silt loam	Lat. 47.00000	···		NWI classification:	None		50 4
Are climatic / hydrologic conditions on the site typical for this tim	o of year?	Yes	√ No	(If no, explain in Rer			
		_			•	✓ No	
	gnificantly dist			"Normal Circumstances" pre		No No	
Are Vegetation <u>no</u> Soil <u>no</u> or Hydrology <u>no</u> no	aturally proble	mauc?	(ii needed	, explain any answers in Ken	iaiks.)		
SUMMARY OF FINDINGS – Attach site map sho	owing sam	pling point lo	ocations,	transects, important	features, etc.		
::= ::=	<u> </u>						
	<u>√</u>		Sampled Ar				
Wetland Hydrology Present? Yes No	<u>√</u>	within	a Wetland?	Yes	No <u></u>		
Remarks:							
VEGETATION – Use scientific names of plants.							
	Absolute	Dominant	Indicator	Dominance Test worksho	et:		
Tree Stratum (Plot size: 30 ft/radius)	% Cover	Species?	Status	Number of Dominant Spec			
1				That Are OBL, FACW, or F	AC:	G	(A)
2							
3				Total Number of Dominant			
4				Species Across All Strata:		3	(B)
	=	 Total Cover 					
Sapling/Shrub Stratum (Plot size: 10 ft/radius)				Percent of Dominant Speci			
1				That Are OBL, FACW, or F	AC:	ÎÎ	% (A/B)
2							
3				Prevalence Index works		NA - I Carlo - In - In	
4				Total % Cover		Multiply by:	_
5				OBL species		1=	_
Horb Stratum (Distrance 5 (t/astissa	10 _=	Total Cover		FACW species	X		_
Herb Stratum (Plot size: 5 ft/radius)	40		EAGU	FAC species	15 x	3= 45	_
1. Taraxacum officinale	10	yes	FACU	FACU species		4= 68	_
2. unknown grass species	30	yes	Ø0Ê	UPL species		5=	_
3. Lamium purpureum	7	no	FACU	Column Totals:	32 (A)	113	_(B)
4				Daniela a a la desc	D/A 0.50		
5				Prevalence Index =			
6				Hydrophytic Vegetation			
/				no 1-Rapid Test For H		on	
8				no 2-Dominance Test			
9				no 3-Prevalence Index			
10					daptations ¹ (Provide or on a separate sh		
···	47	Total Cover		5-Wetland Non-Vas	scular Plants ¹		
Woody Vine Stratum (Plot size: 30)		. 5.6. 55.5.			ophytic Vegetation ¹	(Explain)	
1 Rubus bifrons	15	yes	FAC	1 Indicators of hydric soil			
2				be present, unless distu	-		
	15	Total Cover		Hydrophytic			
% Bare Ground in Herb Stratum 0				Vegetation	Yes	No √	
				Present?			
Remarks:				-			

SOIL Sampling Point: DP17 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 10YR 3/2 100 Silt loam 10 ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils³: 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 Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) ³Indicators of hydrophytic vegetation and wetland hydrology Sandy Gleyed Matrix (S4) Redox Depressions (F8) must be present, unless disturbed or problematic. Restrictive Layer (if present): cobble/fill Type: 10 Depth (inches): **Hydric Soil Present?** Remarks: **HYDROLOGY** Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Water-Stained Leaves (B9) (except MLRA Water-Stained Leaves (B9) (MLRA 1, High Water Table (A2) 1, 2, 4A, and 4B) 2, 4A, and 4B) Drainage Patterns (B10) Salt Crust (B11) Saturation (A3) 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) 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? Depth (Inches): no Water Table Present? no Depth (Inches): nο Saturation Present? Depth (Inches): Wetland Hydrology Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment B
Wetland Rating
Forms

RATING SUMMARY – Western Washington

Name of wetland (or	D #): <u>N</u>	Marymoor	Park Wetlar	nd B			Date of site visit:	May 20 2023
Rated by R. Tews			-	Trained by E	cology?⊡	Yes□ No	Date of training	Mar-21
HGM Class used for	rating [Depression	nal & Flats		Wetland	d has multip	le HGM classes? □	Yes ☑ No
		•	with out to ial photo/ma	•	equested	(figures car	n be combined).	
OVERALL WETLA	ND CAT	EGORY	Ш	(based on	functions	☑ or specia	al characteristics □)
1. Category of w	etland b	pased on	FUNCTIO	NS				
	(Category I	- Total sco	re = 23 - 27			Score for each	
•		Category I	II - Total sco	ore = 20 - 22			function based	
- -	X	Category I	II - Total so	ore = 16 - 19	9		on three	
- -		Category I	V - Total so	ore = 9 - 15			ratings	
•							(order of ratings	
FUNCTION	Impr	oving	Hydrologi	c Habitat			is not	
FUNCTION	Water	Quality					important)	

FUNCTION	Improving Water Quality	Hydrologic	Habitat			
	List appropriate rating (H, M, L)					
Site Potential	M	М	L			
Landscape Potential	M	Н	М			
Value	Н	М	L	Total		
Score Based on Ratings	7	7	4	18		

function based on three ratings (order of ratings is not important) 9 = H, H, H 8 = H, H, M 7 = H, H, L 7 = H, M, M 6 = H, M, L 6 = M, M, M 5 = H, L, L 5 = M, M, L 4 = M, L, L 3 = L, L, L

2. Category based on SPECIAL CHARACTERISTICS of wetland

CHARACTERISTIC	Category
Estuarine	
Wetland of High Conservation Value	
Bog	
Mature Forest	
Old Growth Forest	
Coastal Lagoon	
Interdunal	
None of the above	х

Maps and Figures required to answer questions correctly for Western Washington

Depressional Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	D 1.3, H 1.1, H 1.4	
Hydroperiods	D 1.4, H 1.2	
Location of outlet (can be added to map of hydroperiods)	D 1.1, D 4.1	
Boundary of area within 150 ft of the wetland (can be added to another figure)	D 2.2, D 5.2	
Map of the contributing basin	D 4.3, D 5.3	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	D 3.1, D 3.2	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	D 3.3	

Riverine Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	H 1.1, H 1.4	
Hydroperiods	H 1.2	
Ponded depressions	R 1.1	
Boundary of area within 150 ft of the wetland (can be added to another figure)	R 2.4	
Plant cover of trees, shrubs, and herbaceous plants	R 1.2, R 4.2	
Width of unit vs. width of stream (can be added to another figure)	R 4.1	
Map of the contributing basin	R 2.2, R 2.3, R 5.2	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	R 3.1	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	R 3.2, R 3.3	

Lake Fringe Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	L 1.1, L 4.1, H 1.1, H 1.4	
Plant cover of trees, shrubs, and herbaceous plants	L 1.2	
Boundary of area within 150 ft of the wetland (can be added to another figure)	L 2.2	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	L 3.1, L 3.2	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	L 3.3	

Slope Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	H 1.1, H 1.4	
Hydroperiods	H 1.2	
Plant cover of dense trees, shrubs, and herbaceous plants	S 1.3	
Plant cover of dense, rigid trees, shrubs, and herbaceous plants	S 4.1	
(can be added to another figure)		
Boundary of area within 150 ft of the wetland (can be added to another figure)	S 2.1, S 5.1	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	S 3.1, S 3.2	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	S 3.3	

HGM Classification of Wetland in Western Washington

For questions 1 -7, the criteria described must apply to the entire unit being rated. If hydrologic criteria listed in each question do not apply to the entire unit being rated, you probably have a unit with multiple HGM classes. In this case, identify which hydrologic criteria in questions 1 - 7 apply, and go to Question 8.

i. Ale ii	ie water ievers in the entire unit usua	my contro	ned by tides except during noods?				
Z	NO - go to 2	□ YES	- the wetland class is Tidal Fringe - go to 1.1				
1.1	Is the salinity of the water during periods of annual low flow below 0.5 ppt (parts per thousand)?						
Z		a Freshv Estuarii	□ YES - Freshwater Tidal Fringe vater Tidal Fringe use the forms for Riverine wetlands. ne wetland and is not scored. This method cannot be ds.				
	ntire wetland unit is flat and precipita ater and surface water runoff are N						
Z	NO - go to 3 If your wetland can be classified as	: a Flats ห	□ YES - The wetland class is Flats retland, use the form for Depressional wetlands.				
	the entire wetland unit meet all of th The vegetated part of the wetland i plants on the surface at any time o At least 30% of the open water are	s on the s the year)	hores of a body of permanent open water (without any at least 20 ac (8 ha) in size;				
V	NO - go to 4	□ YES	- The wetland class is Lake Fringe (Lacustrine Fringe)				
	the entire wetland unit meet all of the The wetland is on a slope (slope can be strong the wetland It may flow subsurface, as sheetflow The water leaves the wetland with	an be very d in one c w, or in a	gradual), irection (unidirectional) and usually comes from seeps. swale without distinct banks.				
V	NO - go to 5		□ YES - The wetland class is Slope				
			retlands except occasionally in very small and shallow ually <3 ft diameter and less than 1 ft deep).				
	the entire wetland unit meet all of th The unit is in a valley, or stream ch from that stream or river, The overbank flooding occurs at le	annel, wh	ere it gets inundated by overbank flooding				
7	NO - go to 6		□ YES - The wetland class is Riverine				
NOTE: T	he Riverine unit can contain depres	sions that	are filled with water when the river is not flooding.				

6. Is the entire wetland unit	in a topographic depre	ession in which wa	ater ponds, oi	r is saturated to	the surface,	at
some time during the year?	This means that any	outlet, if present, i	is higher than	the interior of t	he wetland.	

- 7. Is the entire wetland unit located in a very flat area with no obvious depression and no overbank flooding? The unit does not pond surface water more than a few inches. The unit seems to be maintained by high groundwater in the area. The wetland may be ditched, but has no obvious natural outlet.
 - $\ \square$ NO go to 8 $\ \square$ YES The wetland class is **Depressional**
- 8. Your wetland unit seems to be difficult to classify and probably contains several different HGM classes. For example, seeps at the base of a slope may grade into a riverine floodplain, or a small stream within a Depressional wetland has a zone of flooding along its sides. GO BACK AND IDENTIFY WHICH OF THE HYDROLOGIC REGIMES DESCRIBED IN QUESTIONS 1-7 APPLY TO DIFFERENT AREAS IN THE UNIT (make a rough sketch to help you decide). Use the following table to identify the appropriate class to use for the rating system if you have several HGM classes present within the wetland unit being scored.

NOTE: Use this table only if the class that is recommended in the second column represents 10% or more of the total area of the wetland unit being rated. If the area of the HGM class listed in column 2 is less than 10% of the unit; classify the wetland using the class that represents more than 90% of the total area.

HGM classes within the wetland unit	HGM class to	
being rated	use in rating	
Slope + Riverine	Riverine	
Slope + Depressional	Depressional	
Slope + Lake Fringe	Lake Fringe	
Depressional + Riverine along stream	Depressional	
within boundary of depression		
Depressional + Lake Fringe	Depressional	
Riverine + Lake Fringe	Riverine	
Salt Water Tidal Fringe and any other	Treat as	
class of freshwater wetland	ESTUARINE	

If you are still unable to determine which of the above criteria apply to your wetland, or if you have **more than 2 HGM classes** within a wetland boundary, classify the wetland as Depressional for the rating.

NOTES and FIELD OBSERVATIONS: Wetland is located within a culverted ditch

DEPRESSIONAL AND FLA	ATS WETLANDS			
Water Quality Functions - Indicators that the site	functions to improve water quality			
D 1.0. Does the site have the potential to improve water quality	?			
D 1.1. Characteristics of surface water outflows from the wetlar	<u>nd:</u>			
Wetland is a depression or flat depression (QUESTIC with no surface water leaving it (no outlet).	ON 7 on key) points = 3			
Wetland has an intermittently flowing stream or ditch, constricted permanently flowing outlet.	OR highly points = 2	2		
 Wetland has an unconstricted, or slightly constricted, that is permanently flowing 	surface outlet points = 1			
Wetland is a flat depression (QUESTION 7 on key), v a permanently flowing ditch.	whose outlet is points = 1			
D 1.2. The soil 2 in below the surface (or duff layer) is true clay (use NRCS definitions).	or true organic $Yes = 4 No = 0$	0		
D 1.3. Characteristics and distribution of persistent plants (Emergent, Scrub-shrub, and/or				
Forested Cowardin classes):				
Wetland has persistent, ungrazed, plants > 95% of ar	rea points = 5	0		
Wetland has persistent, ungrazed, plants > $\frac{1}{2}$ of area	points = 3	U		
Wetland has persistent, ungrazed plants $> \frac{1}{10}$ of area	points = 1			
Wetland has persistent, ungrazed plants < 1/10 of area	points = 0			
D 1.4. Characteristics of seasonal ponding or inundation:				
This is the area that is ponded for at least 2 months.	See description in manual.			
Area seasonally ponded is > 1/2 total area of wetland	points = 4	4		
Area seasonally ponded is > 1/4 total area of wetland	points = 2			
Area seasonally ponded is < 1/4 total area of wetland	points = 0			
Total for D 1	Add the points in the boxes above	6		
Rating of Site Potential If score is: 12 - 16 = H 6 - 11 = M 0 - 5 = L Record the rating on the first parts of the state of the st				

D 2.0. Does the landscape have the potential to support the water quality function of the site?				
D 2.1. Does the wetland unit receive stormwater discharges?	Yes = 1	No = 0	1	
D 2.2. Is > 10% of the area within 150 ft of the wetland in land u	ses that		1	
generate pollutants?	Yes = 1	No = 0	'	
D 2.3. Are there septic systems within 250 ft of the wetland?	Yes = 1	No = 0	0	
D 2.4. Are there other sources of pollutants coming into the wet	and that are			
not listed in questions D 2.1 - D 2.3?			0	
Source	Yes = 1	No = 0		
Total for D 2 Add the points in the boxes above				

Rating of Landscape Potential If score is: 3 or 4 = H 2 1 or 2 = M 0 0 = L Record the rating on the first page

D 3.0. Is the water quality improvement provided by the site valuable to society?	
D 3.1. Does the wetland discharge directly (i.e., within 1 mi) to a stream, river, lake, or marine water that is on the 303(d) list? Yes = 1 No = 0	1
D 3.2. Is the wetland in a basin or sub-basin where an aquatic resource is on the 303(d) list? Yes = 1 No = 0	1
D 3.3. Has the site been identified in a watershed or local plan as important for maintaining water quality (answer YES if there is a TMDL for the basin in which the unit is found)? Yes = 2 No = 0	0
Total for D 3 Add the points in the boxes above	2

Rating of Value If score is: $2 - 4 = H \square 1 = M \square 0 = L$

Record the rating on the first page

DEPRESSIONAL AND FLATS WETLANDS				
Hydrologic Functions - Indicators that the site functions to reduce flooding and stream degradation				
D 4.0. Does the site have the potential to reduce flooding and erosion?				
D 4.1. Characteristics of surface water outflows from the wetland:				
Wetland is a depression or flat depression with no surface water				
leaving it (no outlet) points = 4				
Wetland has an intermittently flowing stream or ditch, OR highly				
constricted permanently flowing outlet points = 2	2			
Wetland is a flat depression (QUESTION 7 on key), whose outlet is				
a permanently flowing ditch points = 1				
Wetland has an unconstricted, or slightly constricted, surface outlet				
that is permanently flowing points = 0)			
D 4.2. Depth of storage during wet periods: Estimate the height of ponding above the bottom of				
the outlet. For wetlands with no outlet, measure from the surface of permanent water or if dry,				
the deepest part.				
Marks of ponding are 3 ft or more above the surface or bottom of outlet points = 7				
Marks of ponding between 2 ft to < 3 ft from surface or bottom of outlet points = 5				
☑ Marks are at least 0.5 ft to < 2 ft from surface or bottom of outlet points = 3				
☐ The wetland is a "headwater" wetland points = 3				
Wetland is flat but has small depressions on the surface that trap water points = 1				
Marks of ponding less than 0.5 ft (6 in) points = 0)			
D 4.3. Contribution of the wetland to storage in the watershed: Estimate the ratio of the area of				
upstream basin contributing surface water to the wetland to the area of the wetland unit itself.				
☐ The area of the basin is less than 10 times the area of the unit points = 5	- 3			
The area of the basin is 10 to 100 times the area of the unit points = 3				
The area of the basin is more than 100 times the area of the unit points = 0				
☐ Entire wetland is in the Flats class points = 5				
Total for D 4 Add the points in the boxes above	•			
Rating of Site Potential If score is: 12 - 16 = H 6 - 11 = M 0 - 5 = L Record the rating of Site Potential If score is: Record the rating of Site Potential If score is: 12 - 16 = H 13 - 16 = H 14 - 16 = H 15 - 16 = H 16 - 11 = M 17 - 16 = H 17 - 16 = H 18 - 10 - 10 = H 19 - 10 - 10 = H 19 - 10 - 10 = H 10 - 10 - 10 = H 10 - 10 - 10 = H 10 - 10 - 10 = H 11 - 10 - 10 = H 12 - 10 = H 13 - 10 = H 14 - 10 = H 15 - 10 = H 16 - 11 = M 17 - 10 = H 17 - 10 = H 18 - 10 = H 19 - 10 = H 19 - 10 = H 10 - 10 = H	n the first page			
D 5.0. Does the landscape have the potential to support hydrologic function of the site?	•			
D 5.1. Does the wetland unit receive stormwater discharges? Yes = 1 No = 0	1			
D 5.2. Is > 10% of the area within 150 ft of the wetland in land uses that generate excess runoff?	1			
Yes = 1 No = 0				
D 5.3. Is more than 25% of the contributing basin of the wetland covered with intensive human				
land uses (residential at >1 residence/ac, urban, commercial, agriculture, etc.)?	1			
Yes = 1 No = 0	-			
Total for D 5 Add the points in the boxes above				
Rating of Landscape Potential If score is: 3 = H 1 or 2 = M 0 = L Record the rating of	n the first page			
D 6.0. Are the hydrologic functions provided by the site valuable to society?				
D 6.1. The unit is in a landscape that has flooding problems. Choose the description that best				
matches conditions around the wetland unit being rated. Do not add points. Choose the highest				
score if more than one condition is met.				
The wetland captures surface water that would otherwise flow down-gradient into areas				
where flooding has damaged human or natural resources (e.g., houses or salmon redds):				
 Flooding occurs in a sub-basin that is immediately down- 				
gradient of unit. points = 2	1			
 Surface flooding problems are in a sub-basin farther down- 				
gradient. points = 1				
☐ Flooding from groundwater is an issue in the sub-basin. points = 1				
The existing or potential outflow from the wetland is so constrained				
by human or natural conditions that the water stored by the wetland				
cannot reach areas that flood. Explain why points = 0				
☐ There are no problems with flooding downstream of the wetland. points = 0)			
D 6.2. Has the site been identified as important for flood storage or flood	0			
conveyance in a regional flood control plan? Yes = 2 No = 0)			
Total for D 6 Rating of Value If score is: □ 2-4=H □ 1=M □ 0=L Record the rating of				
	THE TIPET NAME			

These questions apply to wetlands of all HGM classes. HABITAT FUNCTIONS - Indicators that site functions to provide important habitat H 1.0. Does the site have the potential to provide habitat? H 1.1. Structure of plant community: Indicators are Cowardin classes and strata within the Forested class. Check the Cowardin plant classes in the wetland. Up to 10 patches may be combined for each class to meet the threshold of 1/4 ac or more than 10% of the unit if it is smaller than 2.5 ac. Add the number of structures checked. □ Aquatic bed 4 structures or more: points = 4 0 Emergent 3 structures: points = 2 □ Scrub-shrub (areas where shrubs have > 30% cover) 2 structures: points - 1 □ Forested (areas where trees have > 30% cover) 1 structure: points = 0 If the unit has a Forested class, check if: ☐ The Forested class has 3 out of 5 strata (canopy, sub-canopy, shrubs, herbaceous, moss/ground-cover) that each cover 20% within the Forested polygon H 1.2. Hydroperiods Check the types of water regimes (hydroperiods) present within the wetland. The water regime has to cover more than 10% of the wetland or 1/4 ac to count (see text for descriptions of hydroperiods). □ Permanently flooded or inundated 4 or more types present: points = 3 ☑ Seasonally flooded or inundated 3 types present: points = 2 1 □ Occasionally flooded or inundated 2 types present: points = 1 Saturated only 1 types present: points = 0 □ Permanently flowing stream or river in, or adjacent to, the wetland □ Seasonally flowing stream in, or adjacent to, the wetland □ Lake Fringe wetland 2 points Freshwater tidal wetland 2 points H 1.3. Richness of plant species Count the number of plant species in the wetland that cover at least 10 ft². Different patches of the same species can be combined to meet the size threshold and you do not have to name the species. Do not include Eurasian milfoil, reed canarygrass, purple loosestrife, Canadian thistle 0 If you counted: > 19 species points = 25 - 19 species points = 1< 5 species points = 0H 1.4. Interspersion of habitats Decide from the diagrams below whether interspersion among Cowardin plants classes (described in H 1.1), or the classes and unvegetated areas (can include open water or mudflats) is high, moderate, low, or none. If you have four or more plant classes or three classes and open water, the rating is always high. n **None** = 0 points Low = 1 pointModerate = 2 points All three diagrams in this row are HIGH = 3 points

1	pecial habitat features:		
	e habitat features that are present in the wetland. The number of che	cks is the number	
of points		10(1)	
	Large, downed, woody debris within the wetland (> 4 in diameter and	d 6 ft long)	
	Standing snags (dbh > 4 in) within the wetland		
	Undercut banks are present for at least 6.6 ft (2 m) and/or overhang		
	at least 3.3 ft (1 m) over a stream (or ditch) in, or contiguous with the	wetland, for at	
	least 33 ft (10 m)		0
	Stable steep banks of fine material that might be used by beaver or i		
	denning (> 30 degree slope) OR signs of recent beaver activity are p	present (cut shrubs	
	or trees that have not yet weathered where wood is exposed)		
	At least ¼ ac of thin-stemmed persistent plants or woody branches a		
	that are permanently or seasonally inundated (structures for egg-lay		
	Invasive plants cover less than 25% of the wetland area in every stra	atum of plants (see	
	H 1.1 for list of strata)		
Total for		in the boxes above	1
Rating of	Site Potential If Score is: □ 15 - 18 = H □ 7 - 14 = M ☑ 0 - 6 = L	Record the rating on	the first page
1100 D		: 41:4-0	
	bes the landscape have the potential to support the habitat function of		
	cessible habitat (include <i>only habitat that directly abuts wetland unit</i>).		
Calculate		-1 (0) 000(
10		d uses / 2) = 20%	
	Mark I I I I I I I I I I I I I I I I I I I		_
	If total accessible habitat is:		1
	$> \frac{1}{3}$ (33.3%) of 1 km Polygon	points = 3	
	20 - 33% of 1 km Polygon	points = 2	
	10 - 19% of 1 km Polygon	points = 1	
	< 10 % of 1 km Polygon	points = 0	
H 2.2. U	ndisturbed habitat in 1 km Polygon around the wetland.		
Calculate	9:		
15	_% undisturbed habitat + (35_ % moderate & low intensity land	d uses / 2) = 32.5%	
			2
	Undisturbed habitat > 50% of Polygon	points = 3	2
	Undisturbed habitat 10 - 50% and in 1-3 patches	points = 2	
	Undisturbed habitat 10 - 50% and > 3 patches	points = 1	
	Undisturbed habitat < 10% of 1 km Polygon	points = 0	
H 2.3 La	nd use intensity in 1 km Polygon: If		
	> 50% of 1 km Polygon is high intensity land use	points = (-2)	0
	≤ 50% of 1km Polygon is high intensity	points = 0	
Total for		in the boxes above	3
	Landscape Potential If Score is: □ 4-6=H ☑ 1-3=M □ <1=L		the first page
	the habitat provided by the site valuable to society?		
H 3.1. D	pes the site provide habitat for species valued in laws, regulations, or	policies? Choose	
only the	highest score that applies to the wetland being rated.		
	Site meets ANY of the following criteria:	points = 2	
	☐ It has 3 or more priority habitats within 100 m (see next page 1.2)	ge)	
	□ It provides habitat for Threatened or Endangered species (any plant	
	or animal on the state or federal lists)	•	
	☐ It is mapped as a location for an individual WDFW priority	species	
	☐ It is a Wetland of High Conservation Value as determined	•	0
	Department of Natural Resources	•	
	It has been categorized as an important habitat site in a loc	cal or	
	regional comprehensive plan, in a Shoreline Master Plan, o		
	watershed plan	· · · · · ·	
	Site has 1 or 2 priority habitats (listed on next page) with in 100m	points = 1	
	Site does not meet any of the criteria above	points = 0	
Rating of	Value If Score is: □ 2 = H □ 1 = M ☑ 0 = L	Record the rating on	the first page

Wetland Rating System for Western WA: 2014 Update Rating Form - Effective January 1, 2015

WDFW Priority Habitats

<u>Priority habitats listed by WDFW</u> (see complete descriptions of WDFW priority habitats, and the counties in which they can be found, in: Washington Department of Fish and Wildlife. 2008. Priority Habitat and Species List. Olympia, Washington. 177 pp.

 $\underline{\text{http://wdfw.wa.gov/publications/00165/wdfw00165.pdf}} \text{ or access the list from here: } \underline{\text{http://wdfw.wa.gov/conservation/phs/list/}}$

Count how many of the following priority habitats are within 330 ft (100 m) of the wetland unit: **NOTE**: This question is independent of the land use between the wetland unit and the priority habitat.

Aspen Stands: Pure or mixed stands of aspen greater than 1 ac (0.4 ha).

Biodiversity Areas and Corridors : Areas of habitat that are relatively important to various species of native fish and wildlife (<i>full descriptions in WDFW PHS report</i>).
Herbaceous Balds: Variable size patches of grass and forbs on shallow soils over bedrock.
Old-growth/Mature forests: Old-growth west of Cascade crest — Stands of at least 2 tree species, forming a multi-layered canopy with occasional small openings; with at least 8 trees/ac (20 trees/ha > 32 in (81 cm) dbh or > 200 years of age. Mature forests — Stands with average diameters exceeding 21 in (53 cm) dbh; crown cover may be less than 100%; decay, decadence, numbers of snags, and quantity of large downed material is generally less than that found in old-growth; 80-200 years old west of the Cascade crest.
Oregon White Oak : Woodland stands of pure oak or oak/conifer associations where canopy coverage of the oak component is important (<i>full descriptions in WDFW PHS report p. 158</i> – see web link above).
Riparian : The area adjacent to aquatic systems with flowing water that contains elements of both aquatic and terrestrial ecosystems which mutually influence each other.
Westside Prairies : Herbaceous, non-forested plant communities that can either take the form of a dry prairie or a wet prairie (<i>full descriptions in WDFW PHS report p. 161 – see web link above</i>).
Instream : The combination of physical, biological, and chemical processes and conditions that interact to provide functional life history requirements for instream fish and wildlife resources.
Nearshore : Relatively undisturbed nearshore habitats. These include Coastal Nearshore, Open Coast Nearshore, and Puget Sound Nearshore. (<i>full descriptions of habitats and the definition of relatively undisturbed are in WDFW report</i> – see web link on previous page).
Caves : A naturally occurring cavity, recess, void, or system of interconnected passages under the earth in soils, rock, ice, or other geological formations and is large enough to contain a human.
Cliffs: Greater than 25 ft (7.6 m) high and occurring below 5000 ft elevation.
Talus : Homogenous areas of rock rubble ranging in average size 0.5 - 6.5 ft (0.15 - 2.0 m), composed of basalt, andesite, and/or sedimentary rock, including riprap slides and mine tailings. May be associated with cliffs.
Snags and Logs : Trees are considered snags if they are dead or dying and exhibit sufficient decay characteristics to enable cavity excavation/use by wildlife. Priority snags have a diameter at breast height of > 20 in (51 cm) in western Washington and are > 6.5 ft (2 m) in height. Priority logs are > 12 in (30 cm) in diameter at the largest end, and > 20 ft (6 m) long.

Note: All vegetated wetlands are by definition a priority habitat but are not included in this list because they are addressed elsewhere.

CATEGORIZATION BASED ON SPECIAL CHARACTERISTICS

Wetland	Туре	Category			
Check off	f any criteria that apply to the wetland. List the category when the appropriate criteria are met.				
	Estuarine Wetlands				
	Does the wetland meet the following criteria for Estuarine wetlands?				
	The dominant water regime is tidal,				
	Vegetated, and				
	With a salinity greater than 0.5 ppt				
	☐ Yes - Go to SC 1.1 ☐ No = Not an estuarine wetland				
SC 1.1.	Is the wetland within a National Wildlife Refuge, National Park, National Estuary				
	Reserve, Natural Area Preserve, State Park or Educational, Environmental, or Scientific Reserve designated under WAC 332-30-151?				
	□ Yes = Category I □ No - Go to SC 1.2				
SC 1.2.	Is the wetland unit at least 1 ac in size and meets at least two of the following three conditions?				
	The wetland is relatively undisturbed (has no diking, ditching, filling, cultivation, grazing,				
	and has less than 10% cover of non-native plant species. (If non-native species are				
	Spartina, see page 25)				
	At least 3/4 of the landward edge of the wetland has a 100 ft buffer of shrub, forest, or un-				
	grazed or un-mowed grassland.				
	The wetland has at least two of the following features: tidal channels, depressions with				
	open water, or contiguous freshwater wetlands.				
	☐ Yes = Category I ☐ No = Category II				
	Wetlands of High Conservation Value (WHCV)				
SC 2.1.	Has the WA Department of Natural Resources updated their website to include the list of Wetlands of High Conservation Value?				
	☐ Yes - Go to SC 2.2 ☐ No - Go to SC 2.3				
SC 2.2	Is the wetland listed on the WDNR database as a Wetland of High Conservation Value?				
00 2.2.	☐ Yes = Category I ☐ No = Not WHCV				
SC 2.3.	Is the wetland in a Section/Township/Range that contains a Natural Heritage wetland?				
	http://www1.dnr.wa.gov/nhp/refdesk/datasearch/wnhpwetlands.pdf				
	☐ Yes - Contact WNHP/WDNR and to SC 2.4 ☐ No = Not WHCV				
SC 2.4.	Has WDNR identified the wetland within the S/T/R as a Wetland of High Conservation				
	Value and listed it on their website?				
	□ Yes = Category I				
SC 3.0. I					
	Does the wetland (or any part of the unit) meet both the criteria for soils and vegetation				
	in bogs? Use the key below. If you answer YES you will still need to rate the wetland based on its functions.				
SC 2.1					
SC 3.1.	Does an area within the wetland unit have organic soil horizons, either peats or mucks, that compose 16 in or more of the first 32 in of the soil profile?				
	□ Yes - Go to SC 3.3 □ No - Go to SC 3.2				
SC 3.2.	Does an area within the wetland unit have organic soils, either peats or mucks, that are				
	less than 16 in deep over bedrock, or an impermeable hardpan such as clay or volcanic				
	ash, or that are floating on top of a lake or pond?				
	☐ Yes - Go to SC 3.3 ☑ No = Is not a bog				
SC 3.3.	Does an area with peats or mucks have more than 70% cover of mosses at ground				
	level, AND at least a 30% cover of plant species listed in Table 4?				
	☐ Yes = Is a Category I bog ☐ No - Go to SC 3.4				
	NOTE: If you are uncertain about the extent of mosses in the understory, you may				
	substitute that criterion by measuring the pH of the water that seeps into a hole dug at				
	least 16 in deep. If the pH is less than 5.0 and the plant species in Table 4 are present,				
SC 2.4	the wetland is a bog.				
SC 3.4.	Is an area with peats or mucks forested (> 30% cover) with Sitka spruce, subalpine fir,				
	western red cedar, western hemlock, lodgepole pine, quaking aspen, Engelmann spruce, or western white pine, AND any of the species (or combination of species)				
listed in Table 4 provide more than 30% of the cover under the canopy?					
	☐ Yes = Is a Category I bog ☐ No = Is not a bog				
	= 100 - 13 a Category 1 bog = 110 - 13 flot a bog	ļ			

SC 4.0.	Forested Wetlands	
00 4.0.	Does the wetland have at least 1 contiguous acre of forest that meets one of these	
	criteria for the WA Department of Fish and Wildlife's forests as priority habitats? <i>If you</i>	
	answer YES you will still need to rate the wetland based on its functions.	
	- · · · · · · · · · · · · · · · · · · ·	
Ш	Old-growth forests (west of Cascade crest): Stands of at least two tree species,	
	forming a multi-layered canopy with occasional small openings; with at least 8 trees/ac	
	(20 trees/ha) that are at least 200 years of age OR have a diameter at breast height	
	(dbh) of 32 in (81 cm) or more.	
	Mature forests (west of the Cascade Crest): Stands where the largest trees are 80-	
	200 years old OR the species that make up the canopy have an average diameter	
	(dbh) exceeding 21 in (53 cm).	
	□ Yes = Category I ☑ No = Not a forested wetland for this section	
SC 5.0.	Wetlands in Coastal Lagoons	
00 0.0.	Does the wetland meet all of the following criteria of a wetland in a coastal lagoon?	
	The wetland lies in a depression adjacent to marine waters that is wholly or partially	
	separated from marine waters by sandbanks, gravel banks, shingle, or, less frequently,	
	rocks	
	The lagoon in which the wetland is located contains ponded water that is saline or	
	brackish (> 0.5 ppt) during most of the year in at least a portion of the lagoon (needs to	
	be measured near the bottom)	
	☐ Yes - Go to SC 5.1 ☑ No = Not a wetland in a coastal lagoon	
SC 5.1.	Does the wetland meet all of the following three conditions?	
	The wetland is relatively undisturbed (has no diking, ditching, filling, cultivation,	
	grazing), and has less than 20% cover of aggressive, opportunistic plant species (see	
	list of species on p. 100).	
	At least ¾ of the landward edge of the wetland has a 100 ft buffer of shrub, forest, or un-	
	grazed or un-mowed grassland.	
	The wetland is larger than $^{1}/_{10}$ ac (4350 ft ²)	
	☐ Yes = Category I ☐ No = Category II	
SC 6.0.	Interdunal Wetlands	
	Is the wetland west of the 1889 line (also called the Western Boundary of Upland	
	Ownership or WBUO)? If you answer yes you will still need to rate the wetland	
	based on its habitat functions.	
	In practical terms that means the following geographic areas:	
	Long Beach Peninsula: Lands west of SR 103	
	Grayland-Westport: Lands west of SR 105	
	Ocean Shores-Copalis: Lands west of SR 115 and SR 109	
	☐ Yes - Go to SC 6.1 ☐ No = Not an interdunal wetland for rating	
SC 6.1.	Is the wetland 1 ac or larger and scores an 8 or 9 for the habitat functions on the form	
	(rates H,H,H or H,H,M for the three aspects of function)?	
00	☐ Yes = Category I ☐ No - Go to SC 6.2	
SC 6.2.		
00.00	☐ Yes = Category II ☐ No - Go to SC 6.3	
SC 6.3.		
	1 ac?	
0-1	☐ Yes = Category III ☐ No = Category IV	
_	ry of wetland based on Special Characteristics	

RATING SUMMARY – Western Washington

Name of wetland (or ID #): Marymoor Park Wetla	ind C		Date of site visit:	April 21 2023
Rated by R. Tews		Trained by Ecology?⊡	Yes□ No	Date of training	Mar-21
HGM Class used for rat	ing Depressional & Flats	Wetland	d has multiple	HGM classes? □	Yes 🛭 No
	is not complete with out of a large of base aerial photo/m	• • •	figures can be	combined).	
OVERALL WETLAND	CATEGORYIV	(based on functions	☑ or special ch	naracteristics □)	
1. Category of wetl	and based on FUNCTIO	ONS			
	Category I - Total sco	ore = 23 - 27	Sc	ore for each	
	Category II - Total so	ore = 20 - 22	fu	nction based	
	Category III - Total s	core = 16 - 19	on	three	
	Category IV - Total s	core = 9 - 15	rat	tings	

FUNCTION	Improving Water Quality	Hydrologic	Habitat	
	List app	propriate rating	g (H, M, L)	
Site Potential	Н	L	L	
Landscape Potential	L	M	L	
Value	M	L	L	Total
Score Based on Ratings	6	4	3	13

Score for each function based on three ratings (order of ratings is not important)

9 = H, H, H
8 = H, H, M
7 = H, H, L
7 = H, M, M
6 = H, M, L
6 = M, M, M
5 = H, L, L
5 = M, M, L
4 = M, L, L
3 = L, L, L

2. Category based on SPECIAL CHARACTERISTICS of wetland

CHARACTERISTIC	Category
Estuarine	
Wetland of High Conservation Value	
Bog	
Mature Forest	
Old Growth Forest	
Coastal Lagoon	
Interdunal	
None of the above	Х

Maps and Figures required to answer questions correctly for Western Washington

Depressional Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	D 1.3, H 1.1, H 1.4	
Hydroperiods	D 1.4, H 1.2	
Location of outlet (can be added to map of hydroperiods)	D 1.1, D 4.1	
Boundary of area within 150 ft of the wetland (can be added to another figure)	D 2.2, D 5.2	
Map of the contributing basin	D 4.3, D 5.3	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	D 3.1, D 3.2	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	D 3.3	

Riverine Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	H 1.1, H 1.4	
Hydroperiods	H 1.2	
Ponded depressions	R 1.1	
Boundary of area within 150 ft of the wetland (can be added to another figure)	R 2.4	
Plant cover of trees, shrubs, and herbaceous plants	R 1.2, R 4.2	
Width of unit vs. width of stream (can be added to another figure)	R 4.1	
Map of the contributing basin	R 2.2, R 2.3, R 5.2	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	R 3.1	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	R 3.2, R 3.3	

Lake Fringe Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	L 1.1, L 4.1, H 1.1, H 1.4	
Plant cover of trees, shrubs, and herbaceous plants	L 1.2	
Boundary of area within 150 ft of the wetland (can be added to another figure)	L 2.2	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	L 3.1, L 3.2	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	L 3.3	

Slope Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	H 1.1, H 1.4	
Hydroperiods	H 1.2	
Plant cover of dense trees, shrubs, and herbaceous plants	S 1.3	
Plant cover of dense, rigid trees, shrubs, and herbaceous plants	S 4.1	
(can be added to another figure)		
Boundary of area within 150 ft of the wetland (can be added to another figure)	S 2.1, S 5.1	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	S 3.1, S 3.2	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	S 3.3	

HGM Classification of Wetland in Western Washington

For questions 1 -7, the criteria described must apply to the entire unit being rated. If hydrologic criteria listed in each question do not apply to the entire unit being rated, you probably have a unit with multiple HGM classes. In this case, identify which hydrologic criteria in questions 1 - 7 apply, and go to Question 8.

1. Are th	ne water levels in the entire unit usua	lly o	controlled by tides except during floods?
V	NO - go to 2		YES - the wetland class is Tidal Fringe - go to 1.1
1.1	Is the salinity of the water during pe	rioc	ds of annual low flow below 0.5 ppt (parts per thousand)?
v		a F Es	reshwater Tidal Fringe use the forms for Riverine wetlands. tuarine wetland and is not scored. This method cannot be
	ntire wetland unit is flat and precipita vater and surface water runoff are No		is the only source (>90%) of water to it. sources of water to the unit.
v	NO - go to 3 If your wetland can be classified as	a F	☐ YES - The wetland class is Flats Flats wetland, use the form for Depressional wetlands.
	the entire wetland unit meet all of the The vegetated part of the wetland is plants on the surface at any time of At least 30% of the open water area.	s or the	the shores of a body of permanent open water (without any year) at least 20 ac (8 ha) in size;
~	NO - go to 4		YES - The wetland class is Lake Fringe (Lacustrine Fringe)
4. Does t	the entire wetland unit meet all of the The wetland is on a slope (<i>slope ca</i> The water flows through the wetlan It may flow subsurface, as sheetflow The water leaves the wetland with	an b d in w, o	e very gradual), one direction (unidirectional) and usually comes from seeps. r in a swale without distinct banks.
7	NO - go to 5		□ YES - The wetland class is Slope
			e of wetlands except occasionally in very small and shallow are usually <3 ft diameter and less than 1 ft deep).
	the entire wetland unit meet all of the The unit is in a valley, or stream che from that stream or river, The overbank flooding occurs at least	ann	el, where it gets inundated by overbank flooding
V	NO - go to 6		□ YES - The wetland class is Riverine
NOTE: T	he Riverine unit can contain depress	sion	s that are filled with water when the river is not flooding.

1 9 1	hic depression in which water ponds, or is saturated to the surface, at that any outlet, if present, is higher than the interior of the wetland.
☑ NO - go to 7	YES - The wetland class is Depressional

7. Is the entire wetland unit located in a very flat area with no obvious depression and no overbank flooding? The unit does not pond surface water more than a few inches. The unit seems to be maintained by high groundwater in the area. The wetland may be ditched, but has no obvious natural outlet.

8. Your wetland unit seems to be difficult to classify and probably contains several different HGM classes. For example, seeps at the base of a slope may grade into a riverine floodplain, or a small stream within a Depressional wetland has a zone of flooding along its sides. GO BACK AND IDENTIFY WHICH OF THE HYDROLOGIC REGIMES DESCRIBED IN QUESTIONS 1-7 APPLY TO DIFFERENT AREAS IN THE UNIT (make a rough sketch to help you decide). Use the following table to identify the appropriate class to use for the rating system if you have several HGM classes present within the wetland unit being scored.

NOTE: Use this table only if the class that is recommended in the second column represents 10% or more of the total area of the wetland unit being rated. If the area of the HGM class listed in column 2 is less than 10% of the unit; classify the wetland using the class that represents more than 90% of the total area.

HGM classes within the wetland unit	HGM class to
being rated	use in rating
Slope + Riverine	Riverine
Slope + Depressional	Depressional
Slope + Lake Fringe	Lake Fringe
Depressional + Riverine along stream	Depressional
within boundary of depression	
Depressional + Lake Fringe	Depressional
Riverine + Lake Fringe	Riverine
Salt Water Tidal Fringe and any other	Treat as
class of freshwater wetland	ESTUARINE

If you are still unable to determine which of the above criteria apply to your wetland, or if you have **more than 2 HGM classes** within a wetland boundary, classify the wetland as Depressional for the rating.

NOTES and FIELD OBSERVATIONS:

Wetland is located east of culverted ditch (Wetland B) within field. Small depression.

DEPRESSIONAL AND FLATS WETLA	ANDS	
Water Quality Functions - Indicators that the site functions to im	prove water quality	<i>'</i>
D 1.0. Does the site have the potential to improve water quality?		
D 1.1. Characteristics of surface water outflows from the wetland:		
Wetland is a depression or flat depression (QUESTION 7 on key)		
with no surface water leaving it (no outlet).	points = 3	3
Wetland has an intermittently flowing stream or ditch, OR highly		
constricted permanently flowing outlet.	points = 2	3
 Wetland has an unconstricted, or slightly constricted, surface outlet 		
that is permanently flowing	points = 1	
□ Wetland is a flat depression (QUESTION 7 on key), whose outlet is		
a permanently flowing ditch.	points = 1	
D 1.2. The soil 2 in below the surface (or duff layer) is true clay or true organic		0
(use NRCS definitions).	Yes = 4 No = 0)
D 1.3. Characteristics and distribution of persistent plants (Emergent, Scrub-sh	rub, and/or	
Forested Cowardin classes):		_
Wetland has persistent, ungrazed, plants > 95% of area	points = 5	1 5
Wetland has persistent, ungrazed, plants > ½ of area	points = 3	
Wetland has persistent, ungrazed plants > 1/10 of area	points = 1	
Wetland has persistent, ungrazed plants < 1/10 of area	points = ()
D 1.4. Characteristics of seasonal ponding or inundation:		
This is the area that is ponded for at least 2 months. See description		
Area seasonally ponded is > 1/2 total area of wetland	points = 4	
Area seasonally ponded is > 1/4 total area of wetland	points = 2	2
Area seasonally ponded is < 1/4 total area of wetland	points = ()
·	in the boxes above	
Rating of Site Potential If score is: 12 - 16 = H 6 - 11 = M 0 - 5 = L	Record the rating o	n the first page
D 2.0. Does the landscape have the potential to support the water quality funct	ion of the site?	
D 2.1. Does the wetland unit receive stormwater discharges?	Yes = 1 No = 0	0
D 2.2. Is > 10% of the area within 150 ft of the wetland in land uses that	100 = 1 110 = 0	,
generate pollutants?	Yes = 1 No = 0	0
D 2.3. Are there septic systems within 250 ft of the wetland?	Yes = 1 No = 0	
D 2.4. Are there other sources of pollutants coming into the wetland that are	103 - 1 110 - 0	, 0
not listed in questions D 2.1 - D 2.3?		0
Source	Yes = 1 No = 0	_
Total for D 2 Add the points	in the boxes above	0
Rating of Landscape Potential If score is: 3 or 4 = H 1 or 2 = M 0 = L	Record the rating o	
D 3.0. Is the water quality improvement provided by the site valuable to society	17	
D 3.1. Does the wetland discharge directly (i.e., within 1 mi) to a stream, river,	•	
lake, or marine water that is on the 303(d) list?	Yes = 1 No = 0	0
D 3.2. Is the wetland in a basin or sub-basin where an aquatic resource is on the		,
5.2. Is the worlding in a basin of our basin whore an aquatic resource is on a	Yes = 1 No = (1
D 3.3. Has the site been identified in a watershed or local plan as important	<u> </u>	1
for maintaining water quality (answer YES if there is a TMDL for the basin in		0
which the unit is found)?	Yes = 2 No = 0	
·	in the boxes above	_
Rating of Value If score is: □ 2-4=H □ 1=M □ 0=L	Record the rating of	-
=	•	

DEPRESSIONAL AND FLATS WETLANDS	adation
Hydrologic Functions - Indicators that the site functions to reduce flooding and stream degra	adalion
D 4.0. Does the site have the potential to reduce flooding and erosion?	
D 4.1. Characteristics of surface water outflows from the wetland:	
Wetland is a depression or flat depression with no surface water	
leaving it (no outlet) points = 4	
Wetland has an intermittently flowing stream or ditch, OR highly	
constricted permanently flowing outlet points = 2	4
Wetland is a flat depression (QUESTION 7 on key), whose outlet is	
a permanently flowing ditch points = 1	
Wetland has an unconstricted, or slightly constricted, surface outlet	
that is permanently flowing points = 0	
D 4.2. Depth of storage during wet periods: Estimate the height of ponding above the bottom of	
the outlet. For wetlands with no outlet, measure from the surface of permanent water or if dry, the	
deepest part.	
Marks of ponding are 3 ft or more above the surface or bottom of outlet points = 7	
Marks of ponding between 2 ft to < 3 ft from surface or bottom of outlet points = 5	0
☐ Marks are at least 0.5 ft to < 2 ft from surface or bottom of outlet points = 3	
☐ The wetland is a "headwater" wetland points = 3	
Wetland is flat but has small depressions on the surface that trap water points = 1	
Marks of ponding less than 0.5 ft (6 in)	
D 4.3. Contribution of the wetland to storage in the watershed: Estimate the ratio of the area of	
upstream basin contributing surface water to the wetland to the area of the wetland unit itself.	
☐ The area of the basin is less than 10 times the area of the unit points = 5	
'	0
The area of the basin is 10 to 100 times the area of the unit points = 3	
The area of the basin is more than 100 times the area of the unit points = 0	
☐ Entire wetland is in the Flats class points = 5	
Total for D 4 Add the points in the boxes above	4
Rating of Site Potential If score is: 12 - 16 = H 6 - 11 = M 0 - 5 = L Record the rating on	the first page
D 5.0. Does the landscape have the potential to support hydrologic function of the site?	
D 5.1. Does the wetland unit receive stormwater discharges? Yes = 1 No = 0	0
D 5.2. Is > 10% of the area within 150 ft of the wetland in land uses that generate excess runoff?	0
Yes = 1 No = 0	U
D 5.3. Is more than 25% of the contributing basin of the wetland covered with intensive human	
land uses (residential at >1 residence/ac, urban, commercial, agriculture, etc.)?	1
Yes = 1 No = 0	
Total for D 5 Add the points in the boxes above	1
Rating of Landscape Potential If score is: \Box 3 = H \Box 1 or 2 = M \Box 0 = L Record the rating on	the first page
D 6.0. Are the hydrologic functions provided by the site valuable to society?	
D 6.1. The unit is in a landscape that has flooding problems. Choose the description that best	
matches conditions around the wetland unit being rated. Do not add points. <u>Choose the highest</u>	
score if more than one condition is met.	
The wetland captures surface water that would otherwise flow down-gradient into areas	
· · · · · · · · · · · · · · · · · · ·	
where flooding has damaged human or natural resources (e.g., houses or salmon redds):	
Flooding occurs in a sub-basin that is immediately down-	
gradient of unit. points = 2	0
 Surface flooding problems are in a sub-basin farther down- 	Ü
gradient. points = 1	
☐ Flooding from groundwater is an issue in the sub-basin. points = 1	
☐ The existing or potential outflow from the wetland is so constrained	
by human or natural conditions that the water stored by the wetland	
cannot reach areas that flood. Explain why points = 0	
☐ There are no problems with flooding downstream of the wetland.	
ID 6.2. Has the site been identified as important for flood storage or flood	
D 6.2. Has the site been identified as important for flood storage or flood conveyance in a regional flood control plan? Yes = 2 No = 0	0
	0

Wetland Rating System for Western WA: 2014 Update Rating Form - Effective January 1, 2015

These questions apply to wetlands of all HGM classes. HABITAT FUNCTIONS - Indicators that site functions to provide important habitat H 1.0. Does the site have the potential to provide habitat? H 1.1. Structure of plant community: Indicators are Cowardin classes and strata within the Forested class. Check the Cowardin plant classes in the wetland. Up to 10 patches may be combined for each class to meet the threshold of ¼ ac or more than 10% of the unit if it is smaller than 2.5 ac. Add the number of structures checked. □ Aquatic bed 4 structures or more: points = 4 0 Emergent 3 structures: points = 2 □ Scrub-shrub (areas where shrubs have > 30% cover) 2 structures: points - 1 □ Forested (areas where trees have > 30% cover) 1 structure: points = 0If the unit has a Forested class, check if: ☐ The Forested class has 3 out of 5 strata (canopy, sub-canopy, shrubs, herbaceous, moss/ground-cover) that each cover 20% within the Forested polygon H 1.2. Hydroperiods Check the types of water regimes (hydroperiods) present within the wetland. The water regime has to cover more than 10% of the wetland or 1/4 ac to count (see text for descriptions of hydroperiods). Permanently flooded or inundated 4 or more types present: points = 3 ☑ Seasonally flooded or inundated 3 types present: points = 2 1 □ Occasionally flooded or inundated 2 types present: points = 1 Saturated only 1 types present: points = 0 Permanently flowing stream or river in, or adjacent to, the wetland □ Seasonally flowing stream in, or adjacent to, the wetland □ Lake Fringe wetland 2 points □ Freshwater tidal wetland 2 points H 1.3. Richness of plant species Count the number of plant species in the wetland that cover at least 10 ft². Different patches of the same species can be combined to meet the size threshold and you do not have to name the species. Do not include Eurasian milfoil, reed canarygrass, purple loosestrife, Canadian thistle n If you counted: > 19 species points = 25 - 19 species points = 1< 5 species points = 0H 1.4. Interspersion of habitats Decide from the diagrams below whether interspersion among Cowardin plants classes (described in H 1.1), or the classes and unvegetated areas (can include open water or mudflats) is high, moderate, low, or none. If you have four or more plant classes or three classes and open water, the rating is always high. n **None** = 0 points Low = 1 pointModerate = 2 points All three diagrams in this row are HIGH = 3 points

H 1.5. Special habitat features:	
Check the habitat features that are present in the wetland. <i>The number of checks is the number</i>	
of points.	
☐ Large, downed, woody debris within the wetland (> 4 in diameter and 6 ft long)	
□ Standing snags (dbh > 4 in) within the wetland	
☐ Undercut banks are present for at least 6.6 ft (2 m) and/or overhanging plants extends	
at least 3.3 ft (1 m) over a stream (or ditch) in, or contiguous with the wetland, for at	
least 33 ft (10 m)	0
☐ Stable steep banks of fine material that might be used by beaver or muskrat for denning	
(> 30 degree slope) OR signs of recent beaver activity are present (cut shrubs or trees	
that have not yet weathered where wood is exposed)	
☐ At least ¼ ac of thin-stemmed persistent plants or woody branches are present in areas	
that are permanently or seasonally inundated (structures for egg-laying by amphibians)	
□ Invasive plants cover less than 25% of the wetland area in every stratum of plants (see	
H 1.1 for list of strata)	
Total for H 1 Add the points in the boxes above	1
Rating of Site Potential If Score is: 15 - 18 = H 7 - 14 = M 0 - 6 = L Record the rating on	the first page
H 2.0. Does the landscape have the potential to support the habitat function of the site?	
H 2.1 Accessible habitat (include only habitat that directly abuts wetland unit).	
Calculate:	
5 % undisturbed habitat + (% moderate & low intensity land uses / 2) =	
Martel engagints habitet in	0
If total accessible habitat is:	0
$> \frac{1}{3}$ (33.3%) of 1 km Polygon points = 3	
20 - 33% of 1 km Polygon points = 2	
10 - 19% of 1 km Polygon points = 1	
< 10 % of 1 km Polygon points = 0	
H 2.2. Undisturbed habitat in 1 km Polygon around the wetland.	
Calculate:	
15 % undisturbed habitat + (% moderate & low intensity land uses / 2) =	
Undisturbed habitat > 50% of Polygon points = 3	2
Undisturbed habitat 10 - 50% and in 1-3 patches points = 2	
Undisturbed habitat 10 - 50% and > 3 patches points = 2 Undisturbed habitat 10 - 50% and > 3 patches points = 1	
Undisturbed habitat < 10% of 1 km Polygon points = 0	
H 2.3 Land use intensity in 1 km Polygon: If	
> 50% of 1 km Polygon is high intensity land use points = (-2)	-2
≤ 50% of 1km Polygon is high intensity points = 0	_
Total for H 2 Add the points in the boxes above	0
Rating of Landscape Potential If Score is: 4-6=H 1-3=M <	
H 3.0. Is the habitat provided by the site valuable to society?	
H 3.1. Does the site provide habitat for species valued in laws, regulations, or policies? <i>Choose</i>	
only the highest score that applies to the wetland being rated.	
Site meets ANY of the following criteria: points = 2	
☐ It has 3 or more priority habitats within 100 m (see next page)	
☐ It provides habitat for Threatened or Endangered species (any plant	
or animal on the state or federal lists)	
 It is mapped as a location for an individual WDFW priority species It is a Wetland of High Conservation Value as determined by the 	0
Department of Natural Resources	
□ It has been categorized as an important habitat site in a local or	
regional comprehensive plan, in a Shoreline Master Plan, or in a	
watershed plan	
Site has 1 or 2 priority habitats (listed on next page) with in 100m points = 1	
Site does not meet any of the criteria above points = 0	
Rating of Value If Score is: \square 2 = H \square 1 = M \square 0 = L Record the rating on	the first page

Wetland Rating System for Western WA: 2014 Update Rating Form - Effective January 1, 2015

WDFW Priority Habitats

<u>Priority habitats listed by WDFW</u> (see complete descriptions of WDFW priority habitats, and the counties in which they can be found, in: Washington Department of Fish and Wildlife. 2008. Priority Habitat and Species List. Olympia, Washington. 177 pp.

http://wdfw.wa.gov/publications/00165/wdfw00165.pdf_or access the list from here: http://wdfw.wa.gov/conservation/phs/list/

Count how many of the following priority habitats are within 330 ft (100 m) of the wetland unit: **NOTE**: This question is independent of the land use between the wetland unit and the priority habitat.

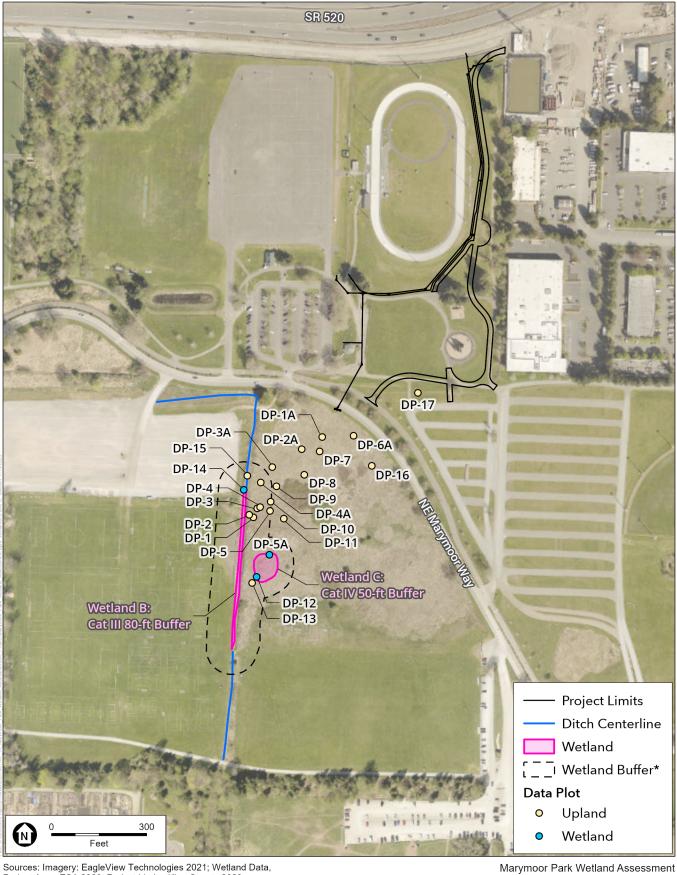
Aspen Stands: Pure or mixed stands of aspen greater than 1 ac (0.4 ha).
Biodiversity Areas and Corridors : Areas of habitat that are relatively important to various species of native fish and wildlife (<i>full descriptions in WDFW PHS report</i>).
Herbaceous Balds : Variable size patches of grass and forbs on shallow soils over bedrock.
Old-growth/Mature forests: Old-growth west of Cascade crest — Stands of at least 2 tree species, forming a multi-layered canopy with occasional small openings; with at least 8 trees/ac (20 trees/ha) > 32 in (81 cm) dbh or > 200 years of age. Mature forests — Stands with average diameters exceeding 21 in (53 cm) dbh; crown cover may be less than 100%; decay, decadence, numbers of snags, and quantity of large downed material is generally less than that found in old-growth; 80-200 years old west of the Cascade crest.
Oregon White Oak : Woodland stands of pure oak or oak/conifer associations where canopy coverage of the oak component is important (<i>full descriptions in WDFW PHS report p. 158 – see web link above</i>).
Riparian : The area adjacent to aquatic systems with flowing water that contains elements of both aquatic and terrestrial ecosystems which mutually influence each other.
Westside Prairies : Herbaceous, non-forested plant communities that can either take the form of a dry prairie or a wet prairie (<i>full descriptions in WDFW PHS report p. 161 – see web link above</i>).
Instream : The combination of physical, biological, and chemical processes and conditions that interact to provide functional life history requirements for instream fish and wildlife resources.
Nearshore : Relatively undisturbed nearshore habitats. These include Coastal Nearshore, Open Coast Nearshore, and Puget Sound Nearshore. (<i>full descriptions of habitats and the definition of relatively undisturbed are in WDFW report – see web link on previous page</i>).
Caves : A naturally occurring cavity, recess, void, or system of interconnected passages under the earth in soils, rock, ice, or other geological formations and is large enough to contain a human.
Cliffs: Greater than 25 ft (7.6 m) high and occurring below 5000 ft elevation.
Talus : Homogenous areas of rock rubble ranging in average size 0.5 - 6.5 ft (0.15 - 2.0 m), composed of basalt, andesite, and/or sedimentary rock, including riprap slides and mine tailings. May be associated with cliffs.
Snags and Logs : Trees are considered snags if they are dead or dying and exhibit sufficient decay characteristics to enable cavity excavation/use by wildlife. Priority snags have a diameter at breast height of > 20 in (51 cm) in western Washington and are > 6.5 ft (2 m) in height. Priority logs are > 12 in (30 cm) in diameter at the largest end, and > 20 ft (6 m) long.

Note: All vegetated wetlands are by definition a priority habitat but are not included in this list because they are addressed elsewhere.

CATEGORIZATION BASED ON SPECIAL CHARACTERISTICS

Check off any criteria that apply to the wetland. List the category when the appropriate criteria are met. SC 1.0. Estuarine Wetlands Does the wetland meet the following criteria for Estuarine wetlands? The dominant water regime is tidal, Vegetated, and With a salinity greater than 0.5 ppt Person of SC 1.1 Is the wetland within a National Wildlife Refuge, National Park, National Estuary Reserve, Natural Area Preserve, State Park or Educational, Environmental, or Scientific Reserve designated under WAC 323-20-1617 Yes = Category I No-Go to SC 1.2 SC 1.2 Is the wetland unit at least 1 ac in size and meets at least two of the following three conditions? The wetland is relatively undisturbed (has no diking, ditching, filling, cultivation, grazing, and has less than 10% cover of non-native plant species. (If non-native species are Spartina, see page 25) At least ¼ of the landward edge of the wetland has a 100 ft buffer of shrub, forest, or ungrazed or un-mowed grassland. The wetland has at least two of the following features: tidal channels, depressions with open water, or contiguous freshwater wetlands. The wetland sof High Conservation Value (WHCV) SC 2.1. Has the WA Department of Natural Resources updated their website to include the list of Wetlands of High Conservation Value? Yes = Category I No = Cot SC 2.3 SC 2.2. Is the wetland listed on the WDNR database as a Wetland of High Conservation Value? Yes = Category I No = Not WHCV SC 2.3. Is the wetland in a Section/Township/Range that contains a Natural Heritage wetland? http://www.l.dnr.wa.gov/nhprefedsek/datasearch/mhymewellands.gdf No = Not WHCV SC 2.4. Has WDNR identified the wetland within the ST/R as a Wetland of High Conservation in bogs? Use the key below. If you answer YES you will still need to rate the wetland is deed in on their website? Yes = Category I No = Not WHCV SC 3.0. Bogs Does the wetland (or any part of the unit) meet both the criteria for soils and vegetation in bogs? Use the key below. If you answer YES you will stil	Wetland	Type	Category						
SC 1.0. Estuarine Wetlands Does the wetland meet the following criteria for Estuarine wetlands? The dominant water regime is tidal, Wegelated, and With a salinity greater than 0.5 ppt "Yes - Go to SC 1.1	Check off	any criteria that apply to the wetland. List the category when the appropriate criteria are met							
Does the wetland meet the following criteria for Estuarine wetlands? The dominant water regime is tidal, Vegetated, and With a salinity greater than 0.5 pt Yes - Go to SC 1.1									
The dominant water regime is tidal, Vegetated, and With a salinity greater than 0.5 ppt Yes - Cot to SC 1.1									
With a salinity greater than 0.5 ppt		· · · · · · · · · · · · · · · · · · ·							
Yes - Go to SC 1.1 No = Not an estuarine wetland									
SC 1.1. Is the wetland within a National Wildlife Refuge, National Park, National Estuary Reserve, Natural Area Preserve, State Park or Educational, Environmental, or Scientific Reserve designated under WAC 332-30-151? Yes = Category		· ·							
Reserve, Natural Area Preserve, State Park or Educational, Environmental, or Scientific Reserve designated under WAC 332-30-151? Yes = Category I									
Reserve designated under WAC 332-30-151? SC 1.2. Is the wetland unit at least 1 ac in size and meets at least two of the following three conditions?	SC 1.1.								
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		☐ Yes = Is a Category I bog ☐ No = Is not a bog							

00.40	Facested Westernes					
SC 4.0.	Forested Wetlands	İ				
	Does the wetland have at least 1 contiguous acre of forest that meets one of these					
	criteria for the WA Department of Fish and Wildlife's forests as priority habitats? <i>If you</i>					
	answer YES you will still need to rate the wetland based on its functions.					
	forming a multi-layered canopy with occasional small openings; with at least 8 trees/ac					
	(20 trees/ha) that are at least 200 years of age OR have a diameter at breast height	İ				
	(dbh) of 32 in (81 cm) or more.	İ				
		İ				
	Mature forests (west of the Cascade Crest): Stands where the largest trees are 80-	İ				
	200 years old OR the species that make up the canopy have an average diameter (dbh)	İ				
	exceeding 21 in (53 cm).	İ				
	☐ Yes = Category I ☑ No = Not a forested wetland for this section	İ				
SC 5.0	Wetlands in Coastal Lagoons					
SC 5.0.		İ				
	Does the wetland meet all of the following criteria of a wetland in a coastal lagoon?	İ				
	The wetland lies in a depression adjacent to marine waters that is wholly or partially	İ				
	separated from marine waters by sandbanks, gravel banks, shingle, or, less frequently,	İ				
	rocks	İ				
	The lagoon in which the wetland is located contains ponded water that is saline or	İ				
	brackish (> 0.5 ppt) during most of the year in at least a portion of the lagoon (needs to	İ				
	be measured near the bottom)	İ				
	☐ Yes - Go to SC 5.1 ☐ No = Not a wetland in a coastal lagoon	İ				
SC 5.1.	Does the wetland meet all of the following three conditions?	İ				
	The wetland is relatively undisturbed (has no diking, ditching, filling, cultivation, grazing),	İ				
	and has less than 20% cover of aggressive, opportunistic plant species (see list of	İ				
	species on p. 100).	İ				
	At least 3/4 of the landward edge of the wetland has a 100 ft buffer of shrub, forest, or un-	İ				
	grazed or un-mowed grassland.	İ				
	The wetland is larger than $^{1}/_{10}$ ac (4350 ft ²)	İ				
	☐ Yes = Category I ☐ No = Category II	ı				
SC 6 0	Interdunal Wetlands					
SC 6.0.		İ				
	Is the wetland west of the 1889 line (also called the Western Boundary of Upland	İ				
	Ownership or WBUO)? If you answer yes you will still need to rate the wetland based on its habitat functions.	İ				
		İ				
_	In practical terms that means the following geographic areas:	İ				
	Long Beach Peninsula: Lands west of SR 103	İ				
	Grayland-Westport: Lands west of SR 105	İ				
	Ocean Shores-Copalis: Lands west of SR 115 and SR 109	İ				
	□ Yes - Go to SC 6.1 □ No = Not an interdunal wetland for rating	İ				
SC 6.1.	· · · · · · · · · · · · · · · · · · ·	İ				
	(rates H,H,H or H,H,M for the three aspects of function)?	İ				
	□ Yes = Category I □ No - Go to SC 6.2	İ				
SC 6.2.	Is the wetland 1 ac or larger, or is it in a mosaic of wetlands that is 1 ac or larger?	İ				
	☐ Yes = Category II ☐ No - Go to SC 6.3	İ				
SC 6.3.	Is the unit between 0.1 and 1 ac, or is it in a mosaic of wetlands that is between 0.1 and	İ				
	1 ac?	İ				
	□ Yes = Category III □ No = Category IV	ı				
Catego	ry of wetland based on Special Characteristics					
_	pswered No for all types, enter "Not Applicable" on Summary Form					



Sources: Imagery: EagleView Technologies 2021; Wetland Data, Project Area: ESA 2023; Project Limits: King County 2023

Figure 1 Wetlands B and C

*All buffer widths are determined using a "high intensity" adjacent land use per KCC 21A.24.325.A.1





2801 Alaskan Way Suite 200 Seattle, WA 98121 206.789.9658 phone 206.789.9684 fax

memorandum

date July 21, 2023

to Shazaad Jarrahian, Capital Project Manager, King County Department of Natural Resources and

Parks

from Jessica Redman, PWS and Rachelle Tews

subject Gateway Connector Wetland Delineation

At the request of King County Department of Natural Resources and Parks (DNRP), ESA delineated and categorized wetlands at Marymoor Park, in Redmond, Washington. The delineation is in support of DNRP's Gateway Connector Trail Project (Project) in the northeast corner of Marymoor Park near the existing velodrome and climbing wall. The Project includes approximately one-third mile of new paved pedestrian and bicycle trail, a new plaza, pedestrian scale lighting, and installation of a new watermain utility line and connection to the existing park water system. Project work is proposed to occur east of the velodrome and extend south, just east of a parking lot, before connecting to the existing Marymoor Connector Trail. The purpose of the delineation was to assess if the proposed project would result in impacts to wetlands and/or their associated buffers. The maximum buffer width assigned to wetlands per KCC 21A.24.325.A.1 is 300 feet; therefore, the study area included areas within approximately 300 feet of the proposed project limits (**Figure 1**).

Methods

Prior to conducting the site assessment, ESA biologists reviewed several existing resources regarding the known presence of critical areas, listed species, and protected habitat, including:

- King County Interactive Mapping tool (iMap) (King County 2023).
- U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) Mapper (USFWS 2023).
- Natural Resources Conservation Service (NRCS), U.S. Department of Agriculture (USDA) Web Soil Survey (NRCS 2023).
- Washington Department of Fish and Wildlife (WDFW) Priority Habitats and Species (PHS) on the Web (WDFW 2023).
- Statewide Washington Integrated Fish Distribution (SWIFD) online mapping (NWIFC 2023).

Once on-site, ESA biologists assessed the study area for the presence of critical areas. If wetlands were observed, biologists identified the boundaries of wetlands using principles for identifying wetlands from the *U.S. Army Corps of Engineers Wetland Delineation Manual* (Environmental Laboratory 1987) and the regional *Supplement to the Corps of Engineers Wetland Delineation Manual; Western Mountains, Valleys, and Coast Region* –

Version 2.0 (USACE 2010). In places determined to have wetland characteristics based on the dominant plant species and evidence of hydric soils and hydrologic conditions, the wetland boundary was recorded using the ArcGIS Field Maps application on an Apple iPad paired with an Eos Arrow submeter GNSS receiver. Due to the potential of inadvertent discovery of culturally significant artifacts within the study area, any digging or ground disturbance needed to determine soil and hydrological conditions was performed with a cultural resources archaeologist present.

An assessment of each wetland's function was completed using the Washington State Wetland Rating System for Western Washington (Rating System) (Hruby 2014). The Rating System categorizes wetlands into four hierarchical categories (Categories I to IV) based on rarity, sensitivity to disturbance, and water quality, hydrologic, and habitat functions. King County has codified use of the Rating System (KCC 21A.24.318.B) and assigns standard wetland buffer widths based on wetland category and habitat score. Standard wetland buffer widths range from 25 feet to 300 feet (KCC 21A.24.325).

Results

Desktop Assessment

NWI maps two palustrine emergent (PEM) wetlands approximately 500 feet south of the proposed project. WDFW PHS mapping also shows these wetlands as PEM habitat (WDFW 2023). These wetlands are connected to a narrow riverine feature that extends north from a large wetland complex positioned at the north end of Lake Sammamish (USFWS 2023). Soils within the study area are mapped as Earlmont silt loam. This soil is poorly draining but not considered hydric (NRCS 2023).

SWIFD maps a Type F stream along the west side of the open-grass area. The stream originates just south of the NE Marymoor Way, flows south and eventually into the Sammamish River. The northern, approximately 115 feet of this stream is mapped as non-fish bearing (Type N) and the remainder is mapped as fish bearing (Type F) (NWIFC 2023). King County iMap also maps this feature as an unclassified stream; however, King County maps it as originating approximately 0.2-mile south of the SWIFD Mapped stream.

Site Visit

Two wetlands (Wetlands B and C) were delineated in the vicinity of the proposed project. A summary of the delineated wetlands is presented in Table 1. **Figure 1** shows the delineated wetlands and location of data plots and is at the end of this memorandum. Data forms are included in **Attachment A** and rating forms are included in **Attachment B**.

TABLE 1.
SUMMARY OF WETLAND TYPE, CATEGORY, AND BUFFER

Wetland	Cowardin Class	HGM Class	Category	Buffer (feet) ¹
Wetland B ²	PEM	Depressional	III	80
Wetland C	PEM	Depressional	IV	50

- 1. Per KCC 21A.24.325 based on a "high impact land use."
- 2. The western portion of Wetland B was estimated as part of an assessment of wetlands throughout the park for DNRP.

No aquatic areas were identified within the study area. ESA evaluated the shallow depression near the southern extent of the proposed trail (**DP-17**; **Figure 1**). No culvert was observed in the western portion of this feature, and it was determined that this featured conveyed stormwater runoff from the Marymoor Connector Trail, located immediately to the west. This feature was largely vegetated with nonnative grasses and no flow was observed during the time of the site assessment. The hydrological source to this feature appears to be solely stormwater; and therefore, does not meet the definition of an aquatic area per KCC 21A.06.072C.B, which states aquatic areas do not include water features where the source of contributing water is entirely artificial. Additionally, a connection between this feature and a wetland and/or other aquatic area was not observed, and it is likely that this feature conveys stormwater to the east, away from the trail, where it eventually infiltrates into the ground.