

TECHNICAL MEMORANDUM



Date: August 17, 2017
To: Vinh Vuong
From: Sam Payne
Project Number: 170802
Project Name: Monroe Vuong

RECEIVED
06/27/2018
CITY OF MONROE

Subject: Wetland Reconnaissance Study

Dear Mr. Vuong,

A wetland and stream reconnaissance was conducted on August 15, 2017 for the property located at 16000 163rd St SE in the City of Monroe (parcel number 00517300200400 and 27060200408100) by ecologist Sam Payne. A reconnaissance field sketch and data form are enclosed in this memo. In summary, no streams or wetlands were found on or encumbering the subject parcels.

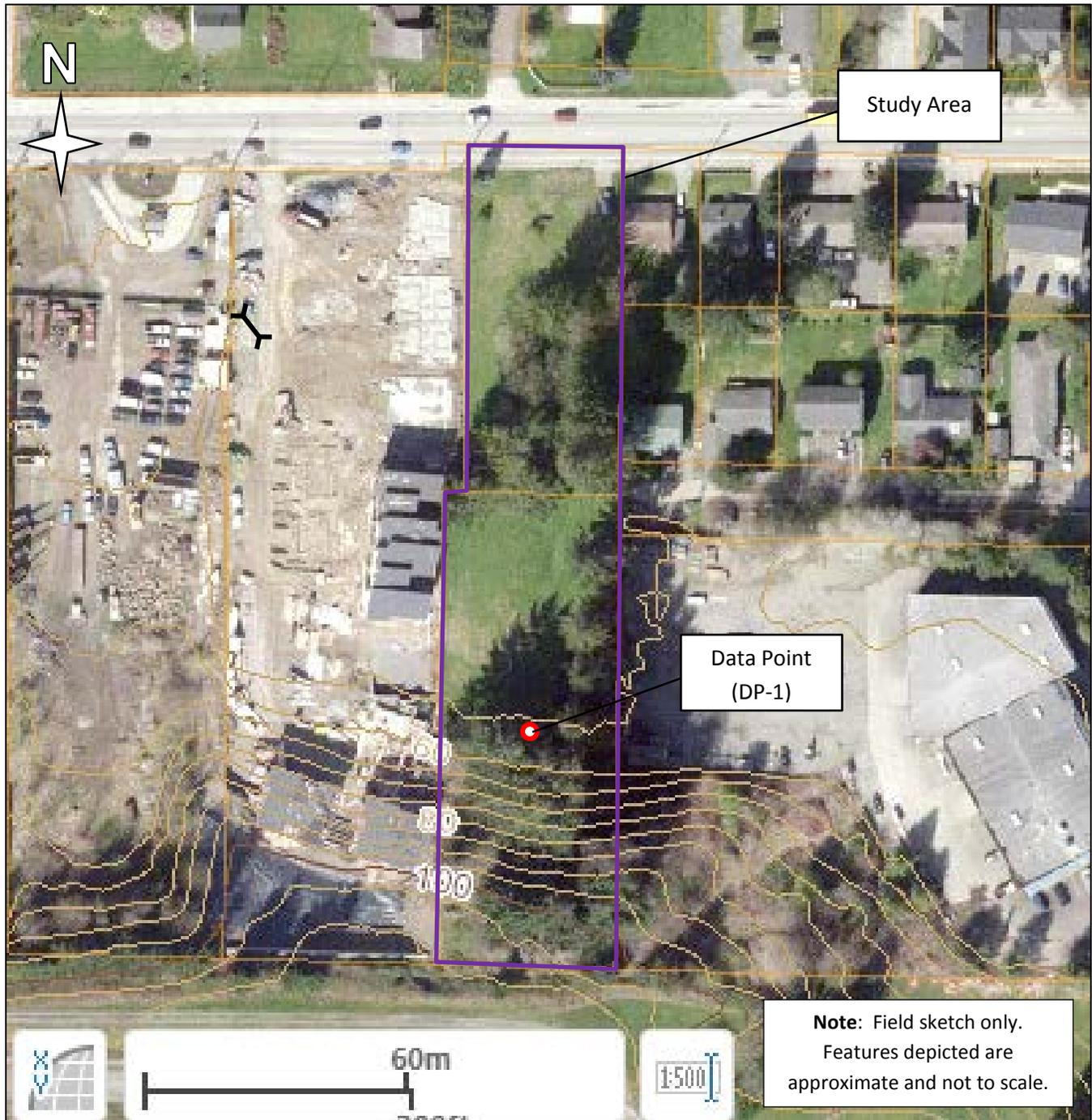
Vegetation within the study area was composed of non-wetland plant communities. Forested areas were Douglas-fir dominated with an understory of red elderberry, English holly, salmonberry, sword fern, trailing blackberry, and bracken fern. The forested area along the flat field (northern forest) did not include a shrub understory, and was covered in grasses and forbs. Open fields included a mix of non-native noxious weeds and pasture grasses common in disturbed sites. The plant community is not hydrophytic in most of the study area. A strip of vegetation along the toe of the slope was dominated by creeping buttercup and reed canarygrass, which are weedy species common in both wetland and non-wetland area. This area was sampled for wetland characteristics and one formal data point, DP-1, was recorded at this location (see attached sketch). Soils in this area lacked hydric features and wetland hydrology indicators. The soil was completely lacking moisture during the site visit. Soils found throughout the site were dark brown loams or silt loams lacking redoximorphic features and other hydric soil indicators. No indicators of wetland hydrology were observed in the study area.

Please note: The information contained in this memo is based on the application of technical guidelines currently accepted as the best available science and in conjunction with the manuals and criteria outlined in the methods section. All discussions, conclusions and recommendations reflect the best professional judgment of the author(s) and are based upon information available to us at the time the study was conducted. All work was completed within the constraints of budget, scope, and timing. The findings of this report are subject to verification and agreement by the appropriate local, State and Federal regulatory authorities. No warranty, expressed or implied, is made.

Wetland and Stream Reconnaissance Sketch

Site Address: 16000 163rd St SE
Parcel Number: 00517300200400 and 27060200408100
Site Visit Date: August 15, 2017

Prepared for: Vinh Vuong
TWC Ref. No. 170802



DP- 1

Project Site: Vuong Monroe		Sampling Date: 8/15/2017
Applicant/Owner: Vinh Vuong		Sampling Point: DP- 1
Investigator: S. Payne		City/County: Monroe
Sect., Township, Range: S 2 T 27 N R 6 E		State: WA
Landform (hillslope, terrace, etc): Hillslope	Slope (%): 2	Local relief (concave, convex, none): Concave
Subregion (LRR): A	Lat:	Long:
Soil Map Unit Name: Pastik silt loam, 8 to 25 percent slopes		NWI classification: None
Are climatic/hydrologic conditions on the site typical for this time of year? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		(If no, explain in remarks.)
Are "Normal Circumstances" present on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Are Vegetation <input type="checkbox"/> , Soil <input type="checkbox"/> , or Hydrology <input type="checkbox"/> significantly disturbed?		
Are Vegetation <input type="checkbox"/> , Soil <input type="checkbox"/> , or Hydrology <input type="checkbox"/> naturally problematic		
(If needed, explain any answers in Remarks.)		

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

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Hydic Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampling Point within a Wetland?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
<i>Remarks:</i> Drier than normal conditions per WETS (Seattle-Tacoma INTL AP)				

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 5m diam.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet	
1.				Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)	
2.				Total Number of Dominant Species Across All Strata: 1 (B)	
3.				Percent of Dominant Species that are OBL, FACW, or FAC: 100 (A/B)	
4.	0	= Total Cover			
Sapling/Shrub Stratum (Plot size: 3m diam.)				Prevalence Index Worksheet	
1.	1	N	FAC	Total % Cover of	
2.				Multiply by	
3.				OBL species	x 1 =
4.				FACW species	x 2 =
5.				FAC species	x 3 =
				FACU species	x 4 =
				UPL species	x 5 =
	1	= Total Cover		Column totals	(A) (B)
Herb Stratum (Plot size: 1m diam.)				Prevalence Index = B / A =	
1.	100	Y	FAC	Hydrophytic Vegetation Indicators <input checked="" type="checkbox"/> Dominance test is > 50% <input type="checkbox"/> Prevalence test is ≤ 3.0 * Morphological Adaptations * (provide supporting data in remarks or on a separate sheet) <input type="checkbox"/> Wetland Non-Vascular Plants * <input type="checkbox"/> Problematic Hydrophytic Vegetation * (explain)	
2.	10	N	NL		
3.	5	N	FACU		
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
	115	= Total Cover		* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
Woody Vine Stratum (Plot size:)				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
1.					
2.					
	0	= Total Cover			
% Bare Ground in Herb Stratum: 0					
<i>Remarks:</i>					

