

Altmann Oliver Associates, LLC

PO Box 578

Carnation, WA 98014

Office (425) 333-4535

Fax (425) 333-4509

AOA

Environmental
Planning &
Landscape
Architecture



January 31, 2025

AOA-7674

Stuart Ortega
paramountllp@gmail.com

**SUBJECT: Wetland and Stream Reconnaissance for
405 - 4th Street, Mukilteo, WA - Parcel 00527500800500**

Dear Stuart,

On January 14, 2025 AOA conducted a wetland and stream reconnaissance on and adjacent to the subject property utilizing the methodology outlined in the May 2010 *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)*. No wetlands or streams were identified on or adjacent to the property during the field investigation.

The property is currently developed with a small single-family residence and associated yard consisting of mowed lawn, ornamental fruit trees, and a large woody debris pile in the center of the parcel. No definitive hydrophytic plant communities were observed on or adjacent to the property.

Attachment A contains a data sheet prepared for a representative location for the site. This data sheet documents the vegetation, soils, and hydrological information that aided in the no wetland determination for the site.

Conclusion

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

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

Sincerely,

ALTMANN OLIVER ASSOCIATES, LLC

A handwritten signature in black ink that reads "John Altmann".

John Altmann
Ecologist

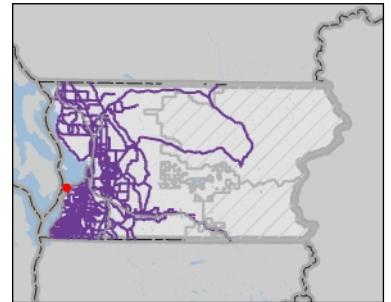
Datasheet Map

1/30/2025



Projection: NAD_1983_StatePlane_Washington_North_FIPS_4601_Feet
Planning and Development Services, Snohomish County

All maps, data, and information set forth herein ("Data"), are for illustrative purposes only and are not to be considered an official citation to, or representation of, the Snohomish County Code. Amendments and updates to the Data, together with other applicable County Code provisions, may apply which are not depicted herein. Snohomish County makes no representation or warranty concerning the content, accuracy, currency, completeness or quality of the Data contained herein and expressly disclaims any warranty of merchantability or fitness for any particular purpose. All persons accessing or otherwise using this Data assume all responsibility for use thereof and agree to hold Snohomish County harmless from and against any damages, loss, claim or liability arising out of any error, defect or omission contained within said Data. Washington State Law, Ch. 42.56 RCW, prohibits state and local agencies from providing access to lists of individuals intended for use for commercial purposes and, thus, no commercial use may be made of any Data comprising lists of individuals contained herein.



Legend

- Critical Area Site Plans
- SW quad
- NW quad
- NE quad
- SE quad
- Snohomish County Tax Parcels
- Airports
- Fire Stations
- Hospitals
- Police Stations
- Schools
- Bus Stops
- Community Transit Park and Ride
- Ferry Terminals
- Buildings
- Ferry Routes
- County Lines 600 - 1,200
- Stillaguamish Indian Reservation Boundary
- Tulalip Indian Reservation Boundary
- Cities 600 - 1,200
- Streets 600 - 1,200
- Interstate
- State Route
- Ramps
- Major Road; Major Road
- Minor Road; Minor Road
- Access Road
- Water Features
- County Parks 600 - 1,200
- Cities 600 - 1,200

1: 677



Notes

This map was automatically generated using Geocortex Essentials.

ATTACHMENT A

DATA SHEETS

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

Project Site: Parcel 00527500800500

City/County: Mukilteo/

Sampling Date: 1-14-25

Applicant/Owner: Ortega

State: WA Sampling Point: DP#1

Investigator(s): Dain Altmann

Section, Township, Range: 2804042

Landform (hillslope, terrace, etc.): slope

Local relief (concave, convex, none): convex

Slope (%):

Subregion (LRR):

Lat: 47.944716

Long: -122.307059

Datum:

Soil Map Unit Name: 13

NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year?

No (If no, explain in Remarks.)

Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No

Are Vegetation Soil or Hydrology naturally problematic

(If needed, explain any answers in Remarks.)

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

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"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>		
Remarks: Upland plot, see map for location.						

VEGETATION – Use scientific names of plants

<u>Tree Stratum</u> (Plot size: 10')		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1. _____	_____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)		
2. <u>1</u>	_____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)		
3. _____	_____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)		
4. _____	_____	_____	_____	_____			
50% = _____, 20% = _____	_____	= Total Cover					
<u>Sapling/Shrub Stratum</u> (Plot size: 10')					Prevalence Index worksheet:		
1. _____	_____	_____	_____	Total % Cover of:			
2. _____	_____	_____	_____	OBL species	_____	x1 = _____	
3. _____	_____	_____	_____	FACW species	_____	x2 = _____	
4. _____	_____	_____	_____	FAC species	_____	x3 = _____	
5. _____	_____	_____	_____	FACU species	_____	x4 = _____	
50% = _____, 20% = _____	_____	= Total Cover		UPL species	_____	x5 = _____	
<u>Herb Stratum</u> (Plot size: 10')	<u>100</u>	<u>yes</u>	<u>FAC</u>	Column Totals:	_____ (A)	_____ (B)	
1. <u>Poa pratensis</u>	<u>100</u>	<u>yes</u>	<u>FAC</u>	Prevalence Index = B/A = _____			
2. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:			
3. _____	_____	_____	_____	<input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation			
4. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%			
5. _____	_____	_____	_____	<input type="checkbox"/> 3 - Prevalence Index is $\leq 3.0^1$			
6. _____	_____	_____	_____	<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
7. _____	_____	_____	_____	<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹			
8. _____	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)			
9. _____	_____	_____	_____				
10. _____	_____	_____	_____				
11. _____	_____	_____	_____				
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover					
<u>Woody Vine Stratum</u> (Plot size: _____)					Hydrophytic Vegetation Present?		
1. _____	_____	_____	_____	Yes	<input checked="" type="checkbox"/>	No <input type="checkbox"/>	
2. _____	_____	_____	_____				
50% = _____, 20% = _____	_____	= Total Cover					
% Bare Ground in Herb Stratum _____							
Remarks:	mowed lawn						

SOIL

HYDROLOGY

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