Technical Memorandum

September 7, 2022

To	Slack and Winzler Properties LLC	**Contact No.**	(707) 267-2224
Copy to	Misha Schwarz, CPSS, PWS	**Email**	Miles.Hartnett@ghd.com
From	Miles Hartnett, GHD	**Project No.**	12584237
Project Name	Slack and Winzler Properties-Elk River Road		
Subject	Wetland Assessment Memorandum for APN 304-071-108		

Introduction

The purpose is this memorandum is to provide Slack and Winzler Properties a wetland delineation and assessment for a proposed project consisting of a Tentative Map and proposed Subdivision (PLN-10797-FMS). The project proposes subdivision of a 44.2-acre undeveloped parcel (APN 304-071-018) into five separate lots.

Access to the proposed parcels would be provided by construction of an approximately 2,800-foot-long roadway from Elk River Road mainly following the alignment of an existing logging road and leading upslope, with a maximum grade of 15 percent, to access each of the proposed building envelopes before terminating in a turnaround just to the east on the adjoining parcel.

The proposed project is located at APN 304-071-018 on the east side of Elk River Road, south of Showers Road, in the Eureka, CA area. The site is undeveloped and predominantly under tree canopy coverage, has been logged several times in recent decades including as recently as five years ago. The site slopes upwards towards the east generally at approximately 20%, with steeper portions towards the center of the property. The property fronts Elk River Road on its western boundary. A map of the area investigated can be found in Appendix A.

Survey Area and Date

GHD scientists Misha Schwarz and Miles Hartnett conducted a wetland delineation for the proposed project on August 18, 2022 targeting an area of concern of the California Department of Fish and Wildlife. The Survey Area included an area identified as a potential three-parameter wetland located on an overgrown log deck cut into a hillslope and graveled logging road on APN 304-071-018. The Survey Area consisted of the delineated wetland feature and approximately 50 feet of surrounding area around the feature.

Methods

Wetland Delineation Manual

The 1987 United States Army Corps of Engineers (USACE) Wetland Delineation Manual (USACE 1987) provides guidelines and methods to determine whether an area is a wetland subject to federal regulation under Section 404 of the Clean Water Act. The manual uses a three-parameter approach specifying that wetland hydrology, soil, and vegetation indicators must be present to identify a wetland (USACE 1987, p. 10).

The wetland delineation described in this memorandum uses USACE criteria from the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys and Coast Region (Version 2.0)* (USACE 2010). The current standard field forms provided by the USACE (2010) were used to collect vegetation, soils, and hydrology data (**Appendix B**).

Wetland Delineation Methodology

In potential three-parameter wetland areas, vegetation, soil, and hydrology data were collected in a transect across the upland/wetland boundary with two plots (upland/wetland). The naming convention used on datasheets to designate upland or wetland plots associated with a transect is -U or -W, respectively.

Three-parameter wetland/upland boundaries and plots were mapped in the field with an Eos Arrow 100 Submeter Global Positioning System (GPS) Receiver with Global Navigation Satellite System (GNSS) and an iPad running ArcGIS Collector software. The wetland/upland boundary was recorded with the GPS unit as needed to map the wetland's spatial extent. The points were then connected in the office using ArcMap software for figure creation.

Each three-parameter wetland area was designated with a number (e.g., W1). The wetland points were also labeled with their respective wetland number. In addition to the wetland sampling points, upland sampling points were described. These were labeled beginning with a "U" and numbered in sequence (e.g., U1, U2). The upland sampling points were completed to confirm and document the absence of any wetland indicators (soils, hydrology, and vegetation). **Appendix B** contains all datasheets recorded during the delineation.

Botanical Methodology

Vegetation data collection consisted of listing the dominant species in the herbaceous, shrub, and tree layer within a standard-sized plot determined by the strata layer. Nomenclature follows *The Jepson Manual* (Baldwin et al. 2012), which was cross-checked to federal standard nomenclature to identify the indicator status. The species' wetland indicator status for the Western Mountains, Valleys, and Coast Region was denoted in the respective column, using the standard reference: *State of California 2016 Wetland Plant List* (Lichvar et al. 2018). This list classifies species based on the probability that they are found in wetlands (USACE 1987) as follows:

-Obligate (OBL): almost always in wetlands (99% probability)

-Facultative Wetland (FACW): usually occurring in wetlands (67% to 99% probability)

-Facultative (FAC): commonly occurring in wetlands and uplands (34% to 66% probability of occurring in wetlands)

-Facultative Upland (FACU): usually occurring in uplands (1% to 33% probability of occurring in wetlands)

-Upland (UPL): upland obligate, rarely in wetlands (1% in wetlands)

Species that do not appear on the list are considered to be in the upland category. Standard procedures for documenting hydrophytic vegetation indicators were used per the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)*.

Soils Methodology

Hydric soils were defined based on the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)* (USACE 2010) procedures in combination with the Natural Resources Conservation Service's (NRCS) definitions presented in *Field Indicators of Hydric Soils in the United States* (USDA/NRCS 2018 version 8.2). Soil pits were dug to an approximate depth of 14 to 18 inches. Data on soil color, texture, and redoximorphic features were recorded. Any observed redoximorphic features (iron concentrations) were noted along with their percentage within the soil matrix, and care was taken to distinguish chromas of 1 and 2 are indicative of an iron-depleted soil within 12 inches of the soil surface (USACE 2010; USDA/NRCS 2018). The *Munsell Soil Color Book* (COLOR, M. 2000) was used to describe the soil colors for the entire depth of the test pit. Moist, natural soil aggregate (ped) surfaces, which had not been crushed, were used to determine the soil's color. Soils with low chroma were verified as being hydric or upland with *Field Indicators of Hydric Soils in the United States* (Version 8.2, 2018).

Hydrology Methodology

GHD scientists performed the investigation on August 28, 2022, during the dry season for the region. A WETS table showing climate data for the Arcata Eureka Airport, CA was reviewed and showed climatic and hydrologic conditions prior to the date of the survey to be typical for the time year. Aerial photography and the National Wetland Inventory Mapper were referenced before conducting fieldwork. Wetland hydrology indicators, such as drainage patterns, material deposits, soil saturation, high water table, or surface water presence, were recorded in the field.

Results

One (1) contiguous three-parameter wetland was mapped within the Study Area totaling 0.02 acres. Please see the USACE Data Forms in **Appendix B** for more details and see **Appendix A, Figure 1** for the associated map. Soil pits and vegetation plots were conducted along one (1) transect line throughout the Study Area totaling two (2) transect points.

Wetland 1 consisted of an opening on a highly compacted log deck and a graveled logging road (most of Wetlands 1 is surfaced with gravel). The vegetation was primarily characterized by common rush (*Juncus effusus*, FACW) and giant horsetail (*Equisetum telmateia,* FACW). Wetland 1 passed the dominance test for hydrophytic vegetation. Soil in Wetland 1 consisted mostly of silt loams with a 10YR 4/3 upper horizon matrix (0 to 3 inches) and a 2.5Y 5/2 lower horizon matrix (3 to14 inches) with distinct 7.5YR 4/6 redoximorphic features throughout 20% of the lower horizon matrix. The hydric soil indicator observed was Depleted Matrix (F3). Primary indicators of wetland hydrology were not observed. Secondary indicators of wetland hydrology observed included geomorphic position (D2) and passing the vegetation FAC-neutral test (D5).

Wetland 1 is not hydrologically connected to or adjacent to other Waters of the United States or Waters of the State (navigable waters) and is therefore unlikely to be under USACE or Regional Water Quality Control Board jurisdiction.

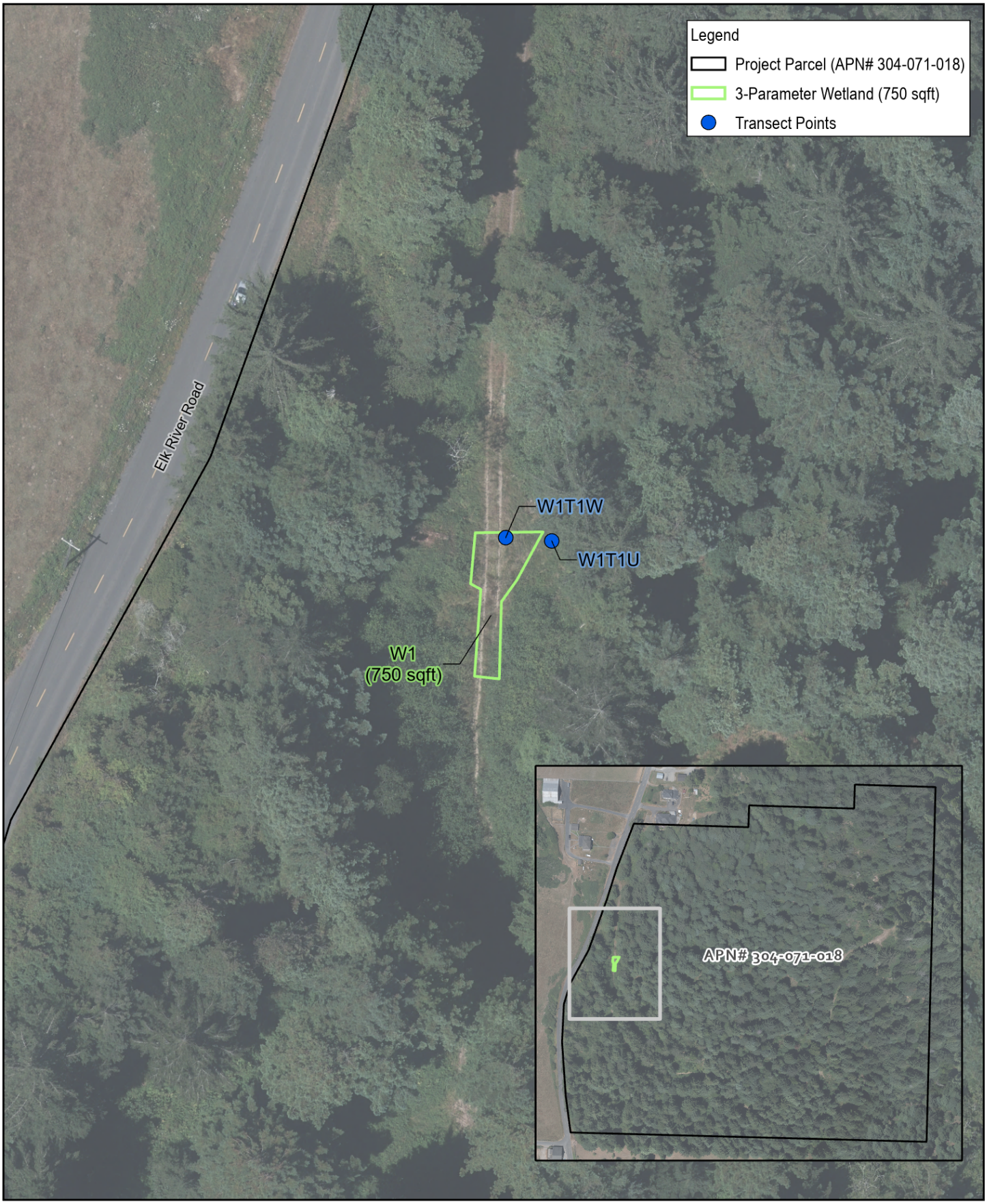
Please see attached data forms for sample points W1T1-W and W1T1-U in **Appendix B.**

Conclusion

One (1) contiguous three-parameter wetland (Wetland 1) was identified within the Study Area totaling 0.02 acres. The wetland is an isolated feature and is not hydrologically connected to or adjacent to other Waters of the United States or Waters or the Sate (navigable waters). The identified wetland (Wetland 1) is unlikely to be under USACE or Regional Water Quality Control Board jurisdiction. Considering Wetlands 1 is human created (by grading and compaction) wetlands, is very small and that it is likely not regulated by the USACE or the Regional Water Quality Control Board, no mitigation is recommended when this wetland is impacted.

Appendix A

Figures



Paper Size ANSI A

0 10 20 30 40 50

Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane California I FIPS 0401 Feet

N

GHD

Slack & Winzler Properties
APN# 304-071-018

Wetland Delineation

Project No. **12584237**
Revision No. -
Date **August 2022**

FIGURE 1

\\ghdnet\ghd\US\Eureka\Projects\561\12584237\GIS\Maps\Deliverables\12584237_Wetland_Delineation\12584237_Wetland_Delineation.aprx
Print date: 31 Aug 2022 - 13:23

Data source: AirPhoto_2019_: . Created by: jlopez4

Appendix B

Wetland Determination Data Forms

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

Project/Site: Slack and Winzler City/County: Eureka, HUM Sampling Date: 8/18/2022

Applicant/Owner: Slack and Winzler Properties State: CA Sampling Point: WT1W

Investigator(s): Mona Schwartz PWS, Miles Hadnett Section, Township, Range: S15 T04N R01W HB&M

Landform (hillslope, terrace, etc.): bench cut / hillslope Local relief (concave, convex, none): concave Slope (%): 0-2

Subregion (LRR): A Lat: 40.727 Long: -124.173 Datum: NAD84

Soil Map Unit Name: 398: Salmon Creek-Tepona-Ruthcreek complex 15-30% slopes NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X 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.

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

Remarks: Sample point on old logging road, bench cut in hillslope.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		

Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		

Herb Stratum (Plot size: R=5)			
1. Equisetum telmateia	30	yes	FACW
2. Stachys rigida	8	no	FACW
3. Rubus ursinus	8	no	FACU
4. Mentha pulegium	10	no	OBL
5. Juncus effusus	50	yes	FACW
6. Holcus lanatus	20	no	FAC
7. Dactylis glomerata	12	no	FACU
8. Lotus corniculatus	1	no	FAC
9. Cirsium vulgare	3	no	FACU
10. Ranunculus repens	8	no	FAC
11. Leucanthemum vulgare	1	no	FACU
50%=75.5 20%=30.2	151	= Total Cover	

Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum 2-5

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:

- ____ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50% = 100%
- ____ 3 - Prevalence Index is ≤3.0[1]
- ____ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ____ 5 - Wetland Non-Vascular Plants[1]
- ____ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No ____

Remarks:

SOIL 9/19/22 Winzler / Stack - MS/MH Sampling Point: W1T1-U

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

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 4/3	100	—	—	—	—	Silt Loam	
3-14	2.5Y 5/2	80	7.5YR 4/6	20	C	PL	Silt Loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) **(except MLRA 1)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ 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 Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9) **(except MLRA 1, 2, 4A, and 4B)**
- ___ Salt Crust (B11)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Stunted or Stressed Plants (D1) (LRR A)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water-Stained Leaves (B9) **(MLRA 1, 2, 4A, and 4B)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- X Geomorphic Position (D2) Low Area Rd
- ___ Shallow Aquitard (D3)
- X FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (LRR A)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): _____

Water Table Present? Yes ___ No X Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No X Depth (inches): _____

Wetland Hydrology Present? Yes X No ___

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

Remarks:

Highly compacted Road/Log Deck

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

Project/Site: Slack and Winzler City/County: Eureka, HUM Sampling Date: 8/18/2022
Applicant/Owner: Slack and Winzler Properties State: CA Sampling Point: WIT14
Investigator(s): Misha Schwartz PWS, Mike Hartndt Section, Township, Range: S15 T04N R01W HB&M
Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): Level Slope (%): 5-10
Subregion (LRR): A Lat: 40.727 Long: -124.173 Datum: NAD 1984
Soil Map Unit Name: 398: Salmon Creek-Tepona-Pholocreek Complex 15-30% slopes NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X 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.

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

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: r=30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Picea sitchensis, Sitka Spruce	40	yes	FAC
2. Alnus rubra, Alder	5	no	FAC
3. Sequoia sempervirens, redwood	8	no	UPL
4. 50%=26.5 20%=10.6			
	53	= Total Cover	

Sapling/Shrub Stratum (Plot size: r=15')			
1. Vaccinium ovatum,	35	yes	FACU
2. Sequoia sempervirens	5	no	UPL
3.			
4.			
5. 50%=20 20%=8			
	40	= Total Cover	

Herb Stratum (Plot size: r=5')			
1. Equisetum telmateia	20	yes	FACW
2. Rubus ursinus	30	yes	FACU
3. Holcus lanatus,	20	yes	FAC
4. Agrostis capillaris	15	no	FAC
5. Iris douglasiana	3	no	UPL
6. Ranunculus repens	15	no	FAC
7. Arthoxanthum odoratum	10	no	FACU
8. Juncus effusus	2	no	FACW
9. Festuca arundinacea	1	no	FAC
10. Lotus corniculatus	3	no	FAC
11. Leucanthum vulgare	1	no	FACU
50%=60 20%=24	120	= Total Cover	

Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____	= Total Cover	

% Bare Ground in Herb Stratum 5

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 5 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 60 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
___ 1 - Rapid Test for Hydrophytic Vegetation
X 2 - Dominance Test is >50% -60%
___ 3 - Prevalence Index is ≤3.0[1]
___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ 5 - Wetland Non-Vascular Plants[1]
___ Problematic Hydrophytic Vegetation[1] (Explain)
[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No ____

Remarks:

SOIL 8/16/22 Winzler/Slack MS/MH Sampling Point: W171-U

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

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR3/3	100	–	–	–	–	Silt Loam	
4-13	2.5Y4/3	80	7.5YR 4/6	20	C	P	Silt Loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) **(except MLRA 1)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No X

Remarks:

Chroma @ 3 too high for a hydric soil

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ 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 Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9) **(except MLRA 1, 2, 4A, and 4B)**
- ___ Salt Crust (B11)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Stunted or Stressed Plants (D1) **(LRR A)**
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water-Stained Leaves (B9) **(MLRA 1, 2, 4A, and 4B)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) **(LRR A)**
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____

Water Table Present? Yes _____ No X Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No X Depth (inches): _____

Wetland Hydrology Present? Yes _____ No X

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

Remarks:

Highly Compacted Road/Log Deck