17-0051P

# CITY OF GEARHART

698 PACIFIC WAY • P.O. BOX 2510 • GEARHART, OREGON 97138
(503) 738-5501 • (503) FAX 738-9385

APPLICATION BEFORE THE CITY OF GEARHART PLANNING COMMISSION

PLANNING COMMISSION
2ND THURSDAY, 6:00 PM

DATE RECEIVED 060517

1. APPLICANT: RAY ROMINE PHONE: (503) 440-9561
   MAILING ADDRESS: 2170 SKYLINE DR. SEASIDE OR 97138
   EMAIL ADDRESS: ROMINE4@CHARTER.NET CELL PHONE: SAME

2. PROPERTY OWNER: ROMINE CONSTRUCTION LLC PHONE: 440-9561
   MAILING ADDRESS: 2170 SKYLINE DR SEASIDE OR 97138
   EMAIL ADDRESS: _____ CELL PHONE: _____

3. SURVEYOR/ ENGINEER: OTAK INC. /DALE BARRETT PHONE: 503 738-3425
   MAILING ADDRESS: 4253 A HWY 101N
   EMAIL ADDRESS: DALE.BARRETT@OTAK.COM CELL PHONE: (503) 717-2427

4. LEGAL COUNSEL: NONE PHONE: _____
   MAILING ADDRESS: _____
   EMAIL ADDRESS: _____ CELL PHONE: _____

5. PROPERTY LOCATION: TAX LOT 3300 MAP 6-10-3BD, ON NORTH SIDE HILLILA ROAD 490' EAST OF HWY 101

6. LEGAL DESCRIPTION OF PROPERTY:
   (A) ASSESSORS PLAT AND TAX LOT: TL 3300 MAP 6-10-3BD
   (B) ADDITION, BLOCK, AND LOT: PORTION OF TRACT A AND B HERITAGE DUNES

PER SEC 13.080 OF THE GEARHART ZONING CODE **ACTUAL EXPENSES INCURRED BY THE CITY DURING THE PROCESS OF TECHNICAL EVALUATION OF AN APPLICATION SHALL BE BORNE BY THE APPLICANT, IN ADDITION TO THE FILING FEES ESTABLISHED BY RESOLUTION. UNPAID PENALTIES, FINES OR INCUMBRANCERS OWED TO THE CITY OF GEARHART ARE GROUNDS FOR WITHHOLDING ISSUANCE OF A PERMIT. DO YOU OWE ANY MONEYS TO THE CITY OF GEARHART? (CIRCLE) YES NO**

7. SIGNATURE (APPLICANT) _____ DATE: 6-5-17
   PRINT _____

8. SIGNATURE (OWNER) _____ DATE: _____
   PRINT _____

NOTICE: ALL ITEMS MUST BE COMPLETED IN ORDER FOR THE APPLICATION TO BE DEEMED COMPLETE AND READY FOR PROCESSING.

---

**TO BE COMPLETED BY STAFF**
DOES APPLICANT OWN ANY MONEY TO THE CITY? _____ IF SO, AMOUNT _____
FOR _____ ACCOUNT # _____ DEPARTMENT STAFF _____ (INITIAL)

# CITY OF GEARHART

698 PACIFIC WAY • P.O. BOX 2510 • GEARHART, OREGON 97138
(503) 738-5501 • (503) FAX 738-9385


APPLICATION FOR: ☐ 1. SUBDIVISION

☒ 2. LAND PARTITION

☐ 3. EXPEDITED REVIEW - PER ORS 197.360

APPLICANT Ray Romine

APPLICATION FEE PD #520 - pd 10/05/17
$500.00 plus $10.00 per lot

CURRENT ZONE R-1 Low Density Residential

DETAILS AND REASONS FOR REQUEST: This request is for a 2 Parcel Partition of Tract A and portion of Tract B, Heritage Dunes Subdivision. Attached to this request is a 18"x24" Preliminary Plat that shows Parcel 1 shall contain 20,946 sf and Parcel 2 shall contain 20946 sf. Access will be gained from Hillila Road using a single shared 25' wide ingress - egress and utility easement.

SUBMIT ALL DOCUMENTS AS REQUIRED BY THE SUBMISSION CHECK OFF SHEET.

**NOTICE: ALL ITEMS MUST BE COMPLETED IN ORDER FOR THE APPLICATION TO BE DEEMED COMPLETE AND READY FOR PROCESSING**

Romine Construction LLC
Ray Romine
romine4@charter.net
503-440-9561
lot 3300 Gearhart Oregon

Oregon
Kate Brown, Governor

Department of State Lands
775 Summer Street NE, Suite 100
Salem, OR 97301-1279
(503) 986-5200
FAX (503) 378-4844
www.oregon.gov/dsl

August 3, 2016



Ray Romine Construction LLC
Attn: Ray Romine
2170 Skyline Dr.
Seaside, OR 97138

Re: WD #2016-0255 Wetland Delineation Report for the Romine Delineation, Clatsop County; T 6N R 10W S 3 TL 3300
City of Gearhart Local Wetland Inventory W-7

Dear Mr. Romine:

The Department of State Lands has reviewed the wetland delineation report prepared by Ecological Land Services, Inc. for the site referenced above. Please note that the study area includes only a portion of the tax lot described above (see the attached map). Based upon the information presented in the report, we concur with the wetland and waterway boundaries as mapped in revised Figure 5 of the report. Please replace all copies of the preliminary wetland map with this final Department-approved map.

Within the study area, one wetland, totaling approximately 0.16 acres was identified. The wetland is subject to the permit requirements of the state Removal-Fill Law. Under current regulations, a state permit is required for cumulative fill or annual excavation of 50 cubic yards or more in the wetland or below the ordinary high water line (OHWL) of a waterway (or the 2 year recurrence interval flood elevation if OHWL cannot be determined).

This concurrence is for purposes of the state Removal-Fill Law only. Federal or local permit requirements may apply as well. The Army Corps of Engineers will review the report and make a determination of jurisdiction for purposes of the Clean Water Act at the time that a permit application is submitted. We recommend that you attach a copy of this concurrence letter to both copies of any subsequent joint permit application to speed application review.

Please be advised that state law establishes a preference for avoidance of wetland impacts. Because measures to avoid and minimize wetland impacts may include reconfiguring parcel layout and size or development design, we recommend that you work with Department staff on appropriate site design before completing the city or county land use approval process.

This concurrence is based on information provided to the agency. The jurisdictional determination is valid for five years from the date of this letter unless new information necessitates a revision. Circumstances under which the Department may change a determination are found in OAR 141-090-0045 (available on our web site or upon request). In addition, laws enacted by the legislature and/or rules adopted by the Department may result in a change in jurisdiction; individuals and applicants are subject to the regulations that are in effect at the time of the removal-fill activity or complete permit application. The applicant, landowner, or agent may submit a request for reconsideration of this determination in writing within six months of the date of this letter.

Thank you for having the site evaluated. Please phone me at 503-986-5246 if you have any questions.

Sincerely,

Chris Stevenson
Jurisdiction Coordinator

Approved by
Kathy Verble, CPSS
Aquatic Resource Specialist

Enclosures

ec: Steffanie Taylor, Ecological Land Services, Inc.
City of Gearhart Planning Department (Maps enclosed for updating LWI)
Danielle Erb, Corps of Engineers
Richard Fitzgerald, DSL

## WETLAND DELINEATION / DETERMINATION REPORT COVER FORM

This form must be included with any wetland delineation report submitted to the Department of State Lands for review and approval. A wetland delineation report submittal is not "complete" unless the fully completed and signed report cover form and the required fee are submitted. Attach this form to the front of an unbound report or include a hard copy of the completed form with a CD/DVD that includes a single PDF file of the report cover form and report (minimum 300 dpi resolution) and submit to: **Oregon Department of State Lands, 775 Summer Street NE, Suite 100, Salem, OR 97301-1279.** A single PDF attachment of the completed cover from and report may be e-mailed to **Wetland_Delineation@dsl.state.or.us**. For submittal of PDF files larger than 10 MB, e-mail instructions on how to access the file from your ftp or other file sharing website. Fees can be paid by check or credit card. Make the check payable to the Oregon Department of State Lands. To pay the fee by credit card, call 503-986-5200.

| | |
|---|---|
| ☒ Applicant ☐ Owner Name, Firm and Address:<br>**Ray Romine**<br>**Ray Romine Construction LLC**<br>**2170 Skyline Drive, Seaside OR 97138**<br>RECEIVED JUN 13 2016 | Business phone # **(503) 440-9561**<br>Mobile phone # (optional)<br>E-mail: **Romine4@charter.net** |
| ☐ Authorized Legal Agent, Name and Address:<br>RECEIVED $ 412.00 DEPARTMENT OF STATE LANDS ✓# 3495 | Business phone #<br>Mobile phone #<br>E-mail: |

I either own the property described below or I have legal authority to allow access to the property. I authorize the Department to access the property for the purpose of confirming the information in the report, after prior notification to the primary contact.

Typed/Printed Name: Ray Romine Signature:

Date: Special instructions regarding site access:

**Project and Site Information** (using decimal degree format for lat/long.,enter centroid of site or start & end points of linear project)

| | | | | |
|---|---|---|---|---|
| Project Name: **Romine Delineation** | Latitude: **46.0344** | | Longitude: **-123.9105** | |
| Proposed Use: **Sale of lots on the property** | Tax Map # **6-10-3BD** | | | |
| Project Street Address (or other descriptive location):<br>**Northwest of intersection Hillila Lane and Tressel Drive** | Township **6N** | Range **10W** | Section **3** | QQ |
| | Tax Lot(s) **03300** | | | |
| City: **Gearhart** County: **Clatsop** | Waterway: | | River Mile: | |
| | NWI Quad(s): | | | |

**Wetland Delineation Information**

| | |
|---|---|
| Wetland Consultant Name, Firm and Address:<br>**Steffanie Taylor**<br>**Ecological Land Services, Inc.**<br>**1157 3rd Ave, Suite 220A, Longview WA 98632** | Phone # **360-578-1371**<br>Mobile phone #<br>E-mail: **Steff@eco-land.com** |

The information and conclusions on this form and in the attached report are true and correct to the best of my knowledge.

Consultant Signature: Date: 6/9/16

**Primary Contact** for report review and site access is ☒ Consultant ☐ Applicant/Owner ☐ Authorized Agent

Wetland/Waters Present? ☒ Yes ☐ No | Study Area size: **0.82 ac** | Total Wetland Acreage: **0.16 onsite**

| **Check Box Below if Applicable:** | **Fees:** |
|---|---|
| ☐ R-F permit application submitted | ☒ Fee payment submitted **$ 412** |
| ☐ Mitigation bank site | ☐ Fee ($100) for resubmittal of rejected report |
| ☐ Wetland restoration/enhancement project (not mitigation) | ☐ No fee for request for reissuance of an expired report |
| ☐ Industrial Land Certification Program Site | |
| ☐ Reissuance of a recently expired delineation | |
| Previous DSL # Expiration date ____ | |

| **Other Information:** | Y | N | |
|---|---|---|---|
| Has previous delineation/application been made on parcel? | ☒ | ☐ | If known, previous DSL # |
| Does LWI, if any, show wetland or waters on parcel? | ☐ | ☒ | |

**For Office Use Only**

| | | |
|---|---|---|
| DSL Reviewer: AG | Fee Paid Date: 10/13/16 | DSL WD # 2016-0255 |
| Date Delineation Received: 10/13/16 | DSL Project # | DSL Site # |
| Scanned: ☒ Final Scan: ☐ | DSL WN # | DSL App. # |

Form Updated 01/03/2013

29

**NOTE:**
USGS topographic quadrangle map reproduced using MAPTECH Inc., Terrain Navigator Pro software.

Figure 1
VICINITY MAP
Romine Delineation
Ray Romine Construction LLC
Clatsop County, OR
Section 3, Township 6N, Range 10W, W.M.

DATE: 6/10/16
DWN:
REQ. BY:
PRJ. MGR: ST
CHK:
PROJECT NO: 1133.03




**NOTE:** USGS topographic quadrangle map reproduced using MAPTECH Inc., Terrain Navigator Pro software.


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Phone: (360) 578-1371
Fax: (360) 414-9305
www.eco-land.com
Ecological Land Services


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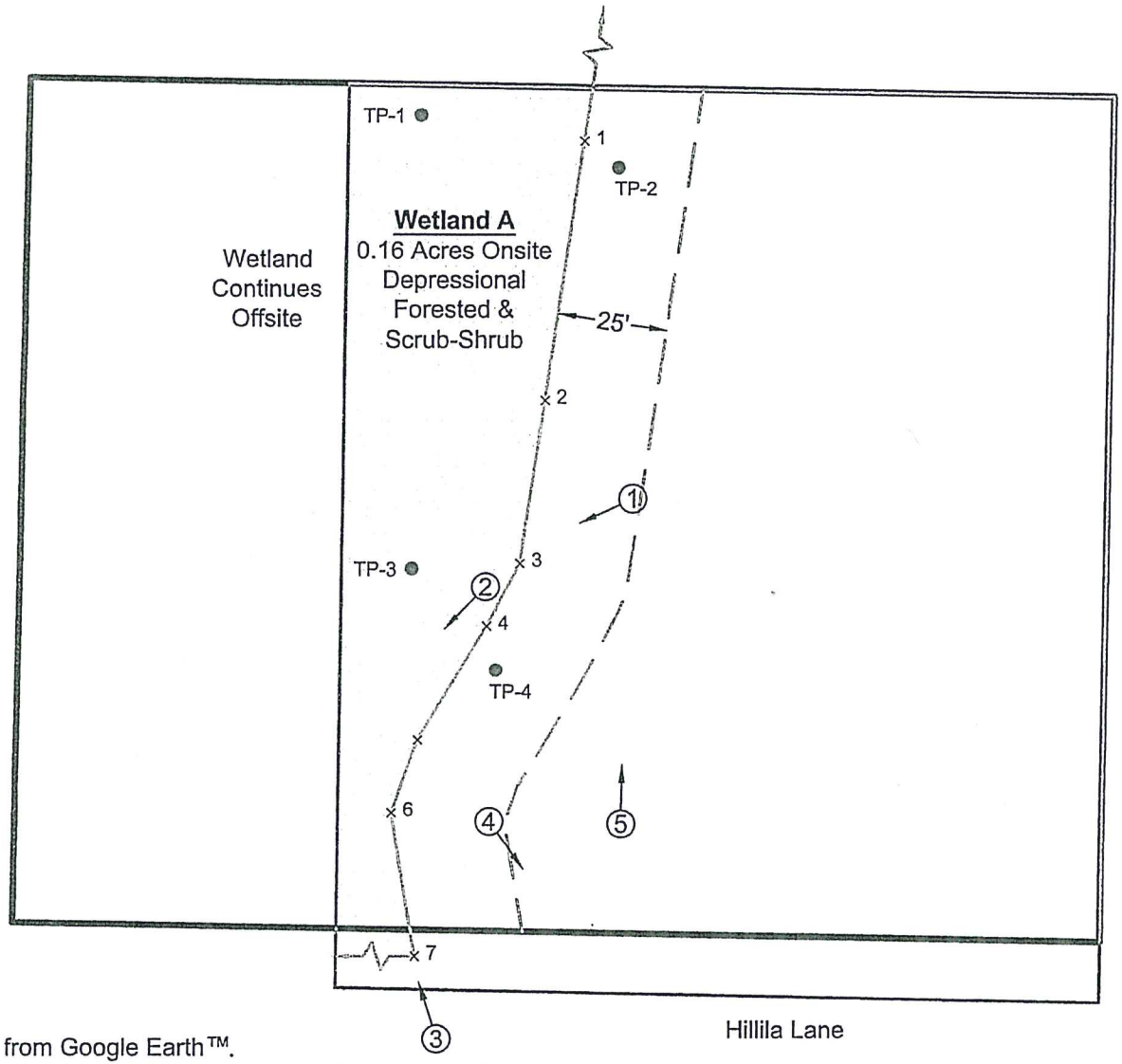


**LEGEND:**

- Property Boundary (1.09 Acres)
- Study Area Boundary (0.82 Acres)
- Wetland Boundary
- Wetland Buffer
- TP-1 Test Plot Location
- 1 × Wetland Flag Location
- ① Photo Point Location & Direction

DSL WD # 2016-0255
Approval Issued 8-03-16
Approval Expires 8-03-21

**NOTE(S):**

1. Aerial from Google Earth™.
2. Wetland and test plots located using handheld GPS with submeter accuracy.

N W E S

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SCALE IN FEET

Ecological Land Services
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Longview, WA 98632
Phone: (360) 578-1371
Fax: (360) 414-9305
www.eco-land.com

DATE: 6/10/16
DWN:
REQ. BY:
PRJ. MGR: ST
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Figure 5
SITE MAP
Romine Delineation
Ray Romine Construction LLC
Clatsop County, OR
Section 3, Township 6N, Range 10W, W.M.

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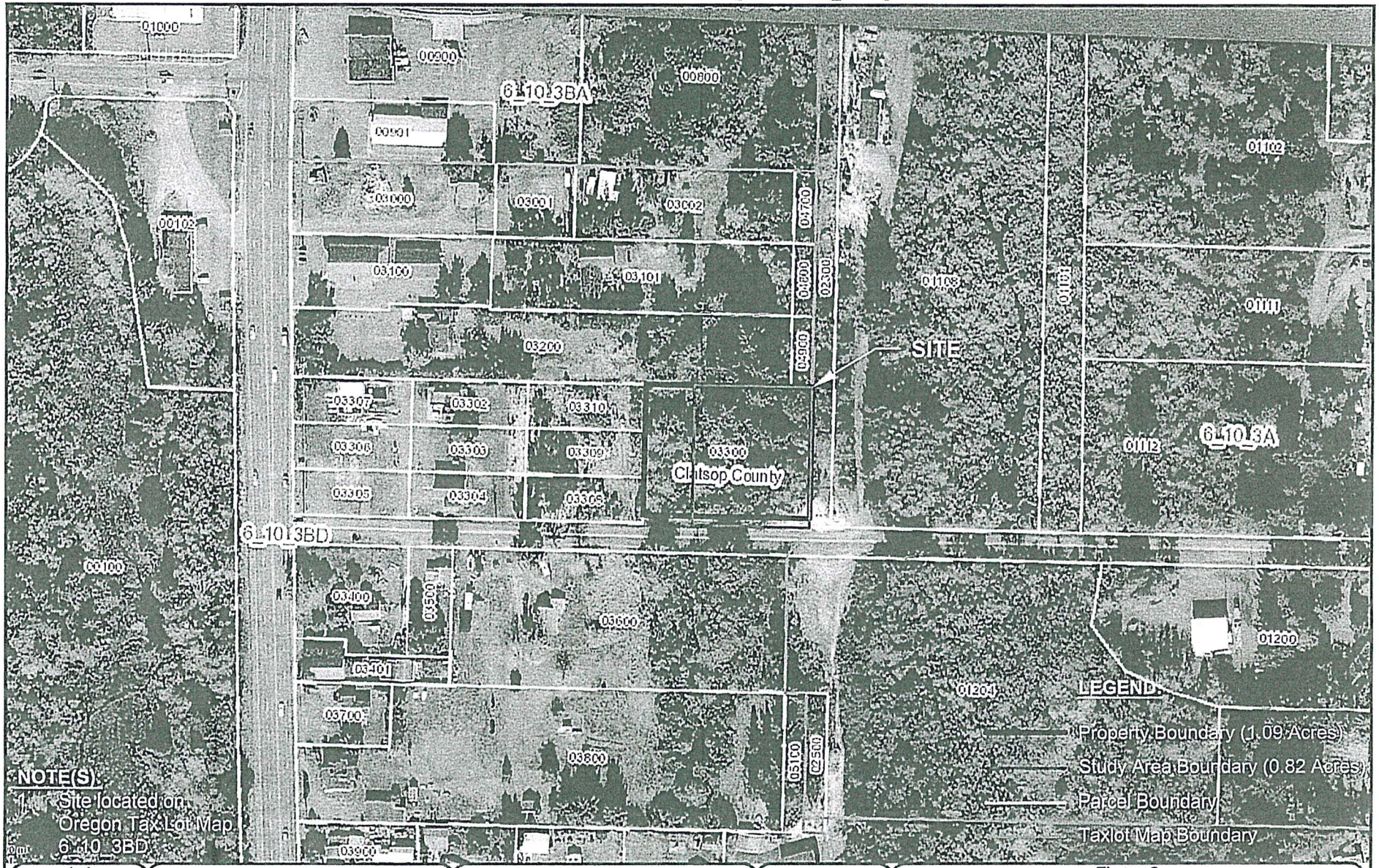



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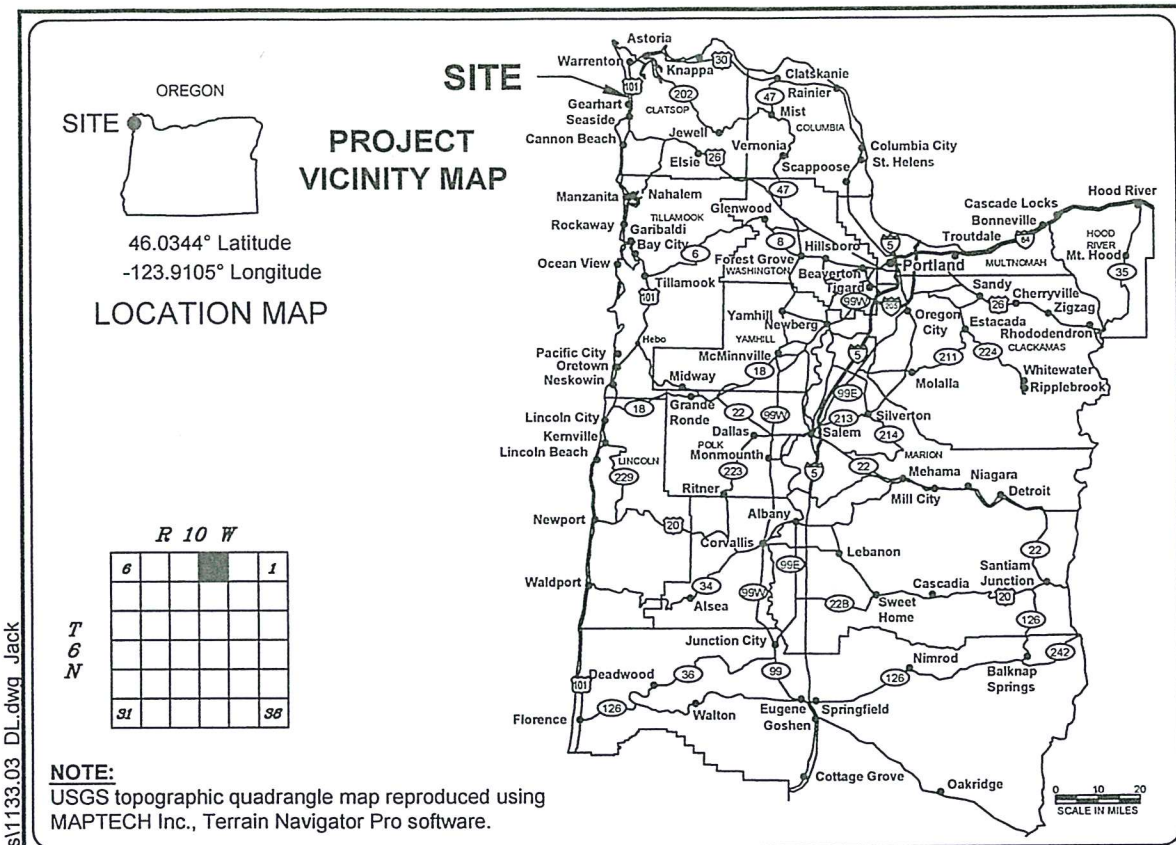
Figure 2
TAX LOT MAP
Romine Delineation
Ray Romine Construction LLC
Clatsop County, OR
Section 3, Township 6N, Range 10W, W.M.

3

# Appendix A

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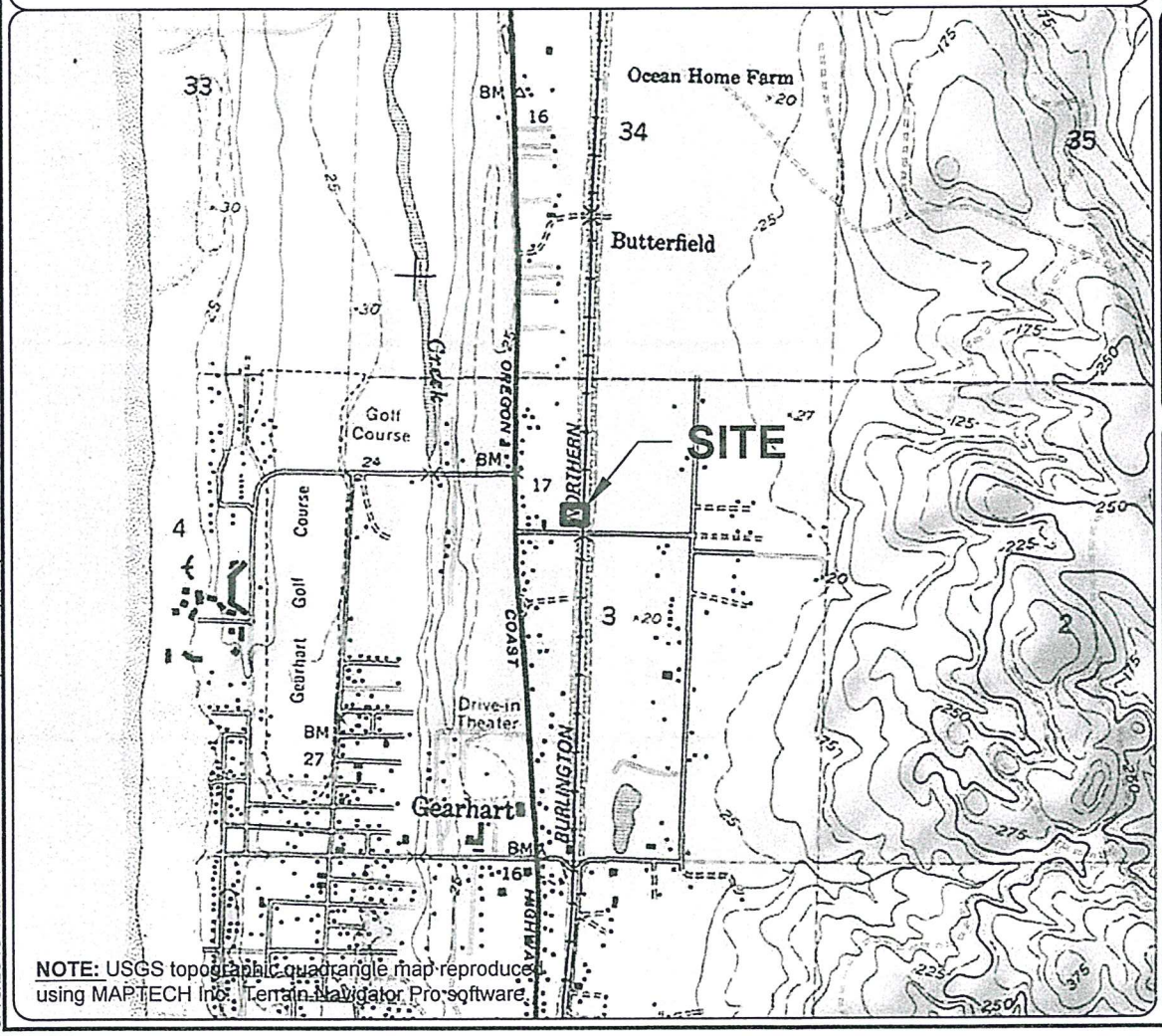


**NOTE:** USGS topographic quadrangle map reproduced using MAPTECH Inc., Terrain Navigator Pro software.

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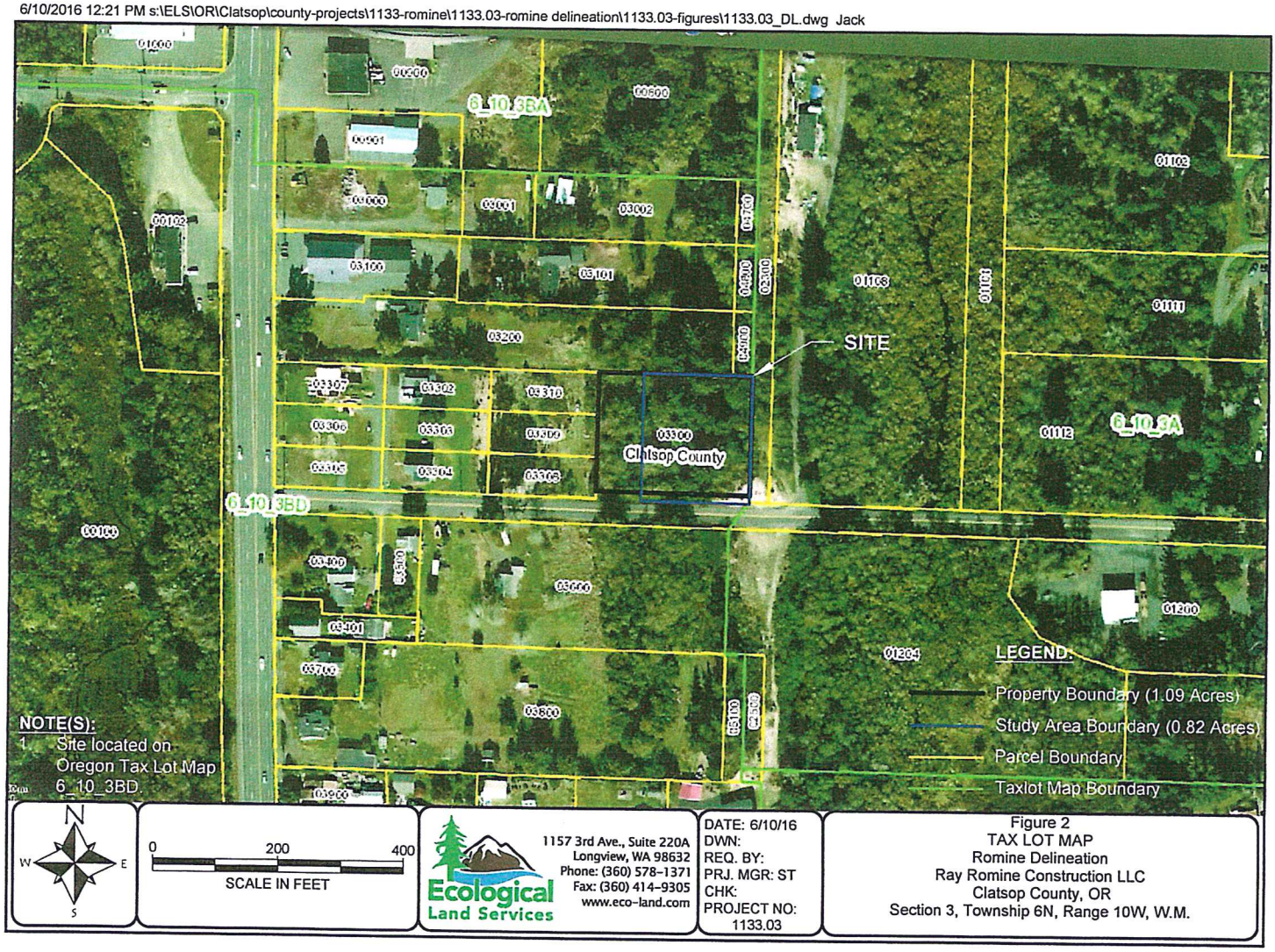


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Figure 2
TAX LOT MAP
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Clatsop County, OR
Section 3, Township 6N, Range 10W, W.M.

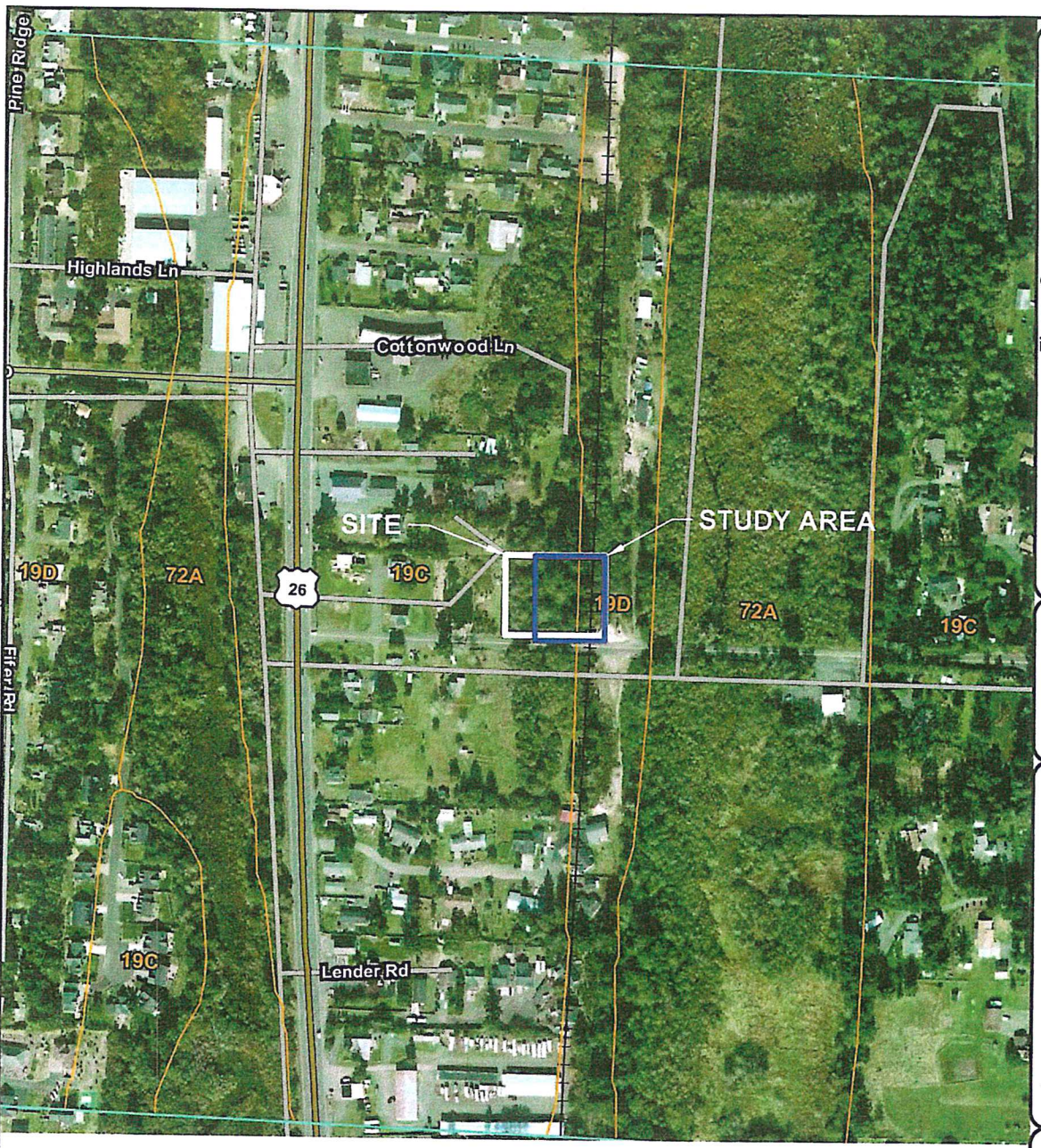


Figure 3
SOIL SURVEY MAP
Romine Delineation
Ray Romine Construction LLC
Clatsop County, OR
Section 3, Township 6N, Range 10W, W.M.

DATE: 6/10/16
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Ecological Land Services

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**LEGEND:**

**19C** Gearhart fine sandy loam, 3 to 15 percent slopes. Not hydric.
**19D** Gearhart fine sandy loam, 15 to 30 percent slopes. Not hydric.

**NOTE(S):**

1. Map provided on-line by NRCS at web address: *http://websoilsurvey.nrcs.usda.gov/app/*

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# CITY OF GEARHART

## LOCAL WETLANDS INVENTORY (LWI)

TITLE: MAP 10 LAST EDITED: SEPTEMBER 2011

- Datapoints
- Roads
- Rivers / Streams
- Tax Lots

STUDY AREA
- City Limits
- Urban Growth Boundary (UGB)

W7 Non-Significant Wetland

0 200 400
SCALE IN FEET

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Figure 4
LOCAL WETLANDS INVENTORY MAP
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Clatsop County, OR
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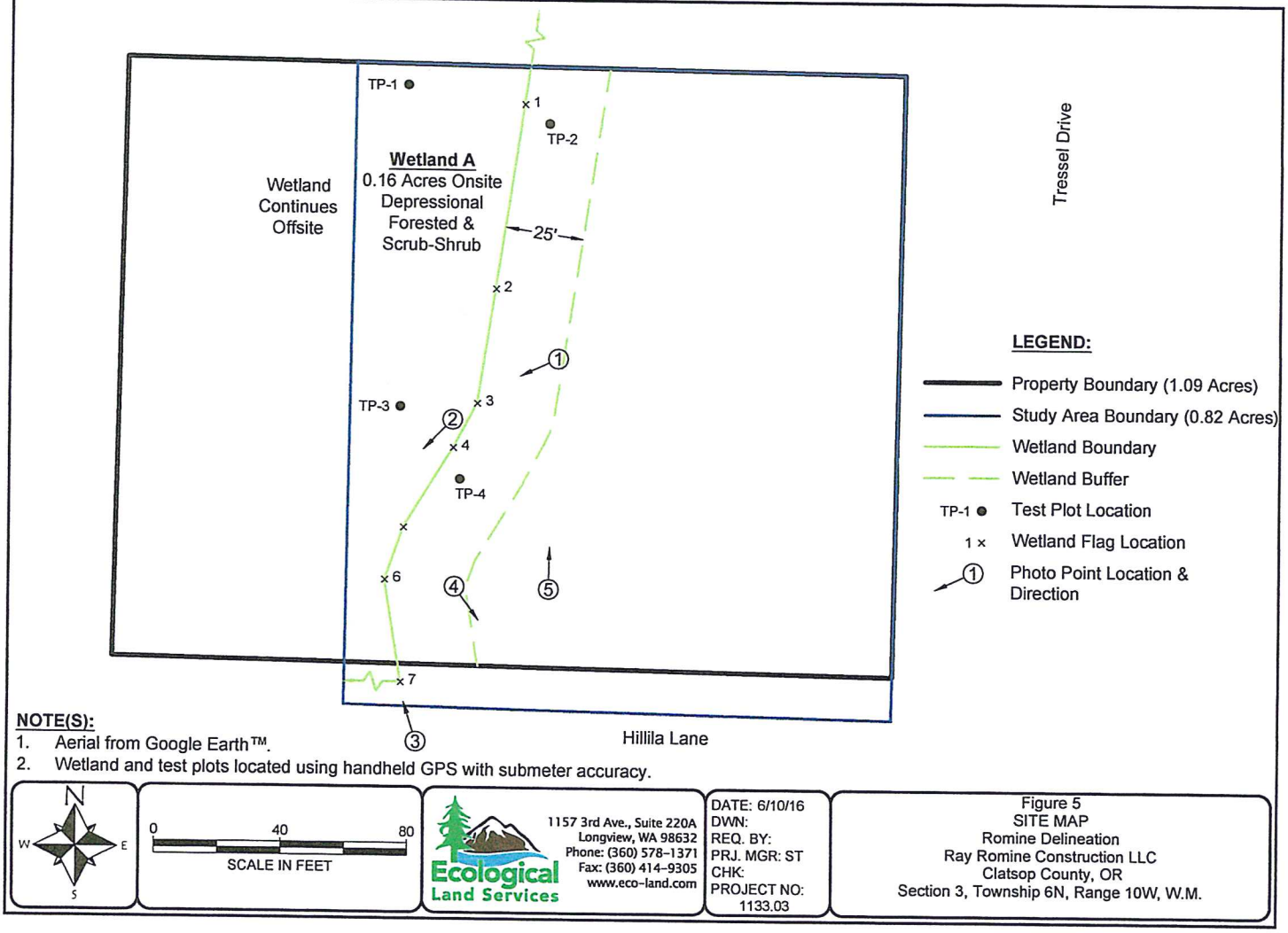


**NOTE(S):**

1. Aerial from Google Earth™.
2. Wetland and test plots located using handheld GPS with submeter accuracy.


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Figure 5
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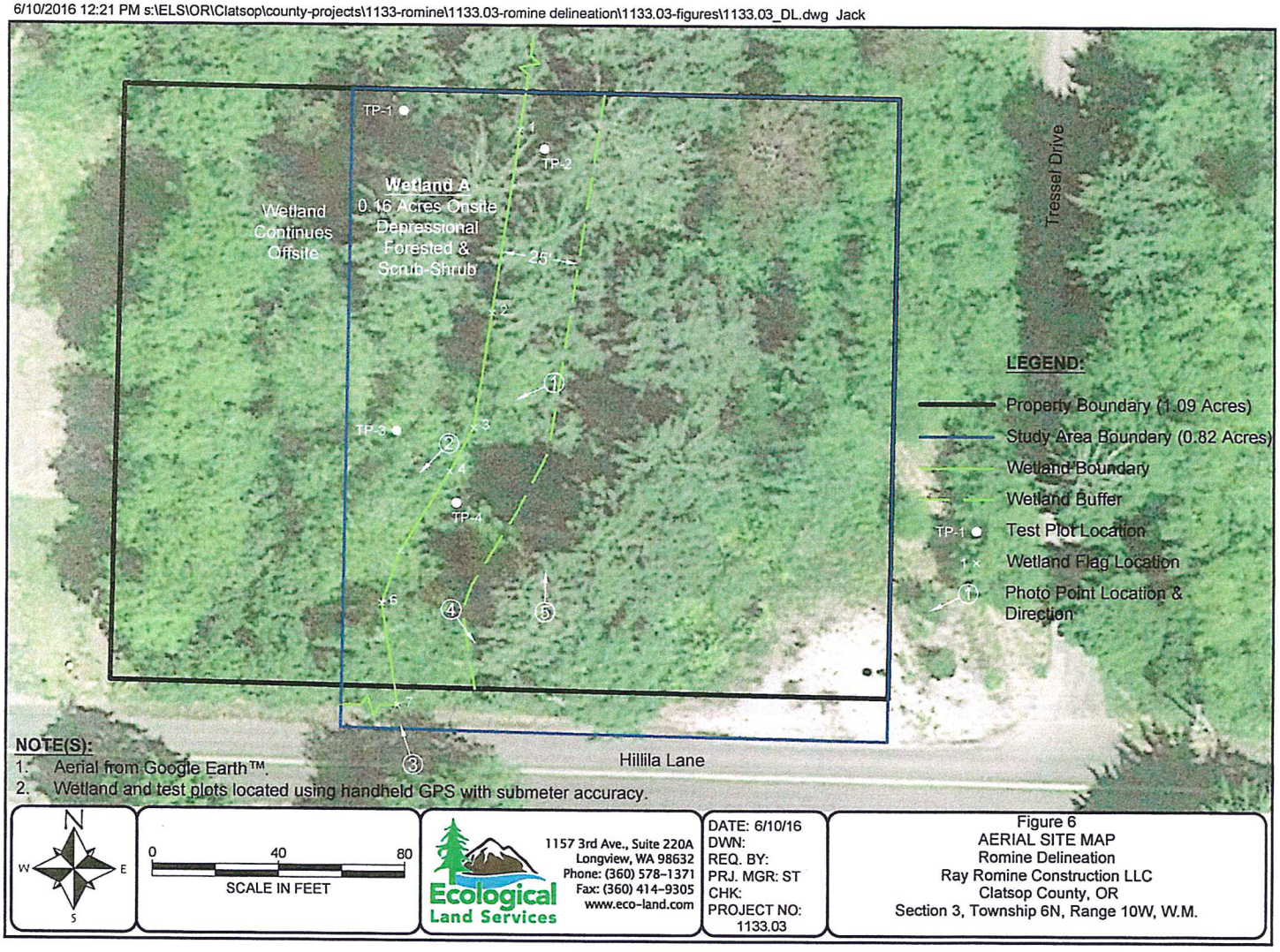


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Figure 6
AERIAL SITE MAP
Romine Delineation
Ray Romine Construction LLC
Clatsop County, OR
Section 3, Township 6N, Range 10W, W.M.

# Appendix B

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

Project/Site: Romine Delineation | City/County: Gearhart, Clatsop | Sampling Date: 4/23/2016
Applicant/Owner: Ray Romine Construction, LLC | State: OR | Sampling Point: TP-1
Investigator(s): S. Taylor | Section, Township, Range: S-6, T-10N, R-0W
Landform (hillslope, terrace, etc.): footslope dune | Local relief: concave | Slope (%): 3-15%
Subregion (LRR): 4A | Lat: 46.0344 | Long: -123.9105 | Datum: NAD83
Soil Map Unit Name: 19C, Gearhart fine sandy loam | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes☒ No☐ (If no, explain Remarks.)
Are Vegetation☐, Soil☐, or Hydrology☐ significantly disturbed? Area "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.

| | | |
|---|---|---|
| Hydrophytic Vegetation Present? | Yes ☒ No ☐ | **Is the Sampled Area within a Wetland?** Yes☒ No☐ |
| Hydric Soils Present? | Yes ☐ No ☒ | |
| Wetland Hydrology Present? | Yes ☒ No ☐ | |

Remarks: Test plot located within Wetland A in the northwest corner of the study area.

### VEGETATION (*Use scientific names*)

| Tree Stratum (Plot size: 30 ft radius) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|---|---|---|
| 1. *Alnus rubra* | 40% | yes | FAC |
| 2. *Picea sitchensis* | 30% | yes | FAC |
| 3. | % | | |
| 4. | % | | |
| Total Cover: | 70% | | |
| **Sapling/Shrub Stratum** (Plot size: 15 ft. radius) | | | |
| 1. *Rubus spectabilis* | 50% | yes | FAC |
| 2. *Malus fusca* | 30% | yes | FACW |
| 3. | % | | |
| 4. | % | | |
| 5. | % | | |
| Total Cover: | 80% | | |
| **Herb Stratum** (Plot size: 5 ft radius) | | | |
| 1. *Carex obnupta* | 60% | yes | OBL |
| 2. *Maianthemum dilatatum* | 40% | yes | FAC |
| 3. | % | | |
| 4. | % | | |
| 5. | % | | |
| 6. | % | | |
| 7. | % | | |
| 8. | % | | |
| Total Cover: | 100% | | |
| **Woody Vine Stratum** (Plot size: 15 ft radius) | | | |
| 1. | % | | |
| 2. | % | | |
| Total Cover: | % | | |

% Bare Ground in Herb Stratum 0%

**Dominance Test Worksheet**

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (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
- ☒ 2 – Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ 4 - Morphological Adaptations[1] (Provide supporting data In Remarks or on a separate sheet)
- ☐ 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☒ No☐

Remarks:

## SOIL

Sampling Point: TP-1

**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 |
|---|---|---|---|---|---|---|---|---|
| 0-14 | 10YR 2/1 | 100% | | % | | | Loamy sand | |
| 14-17 | 10YR 2/1 | 30% | | % | | | Loamy sand | See Remarks Below |
| | 5YR 2.5/2 | 70% | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |

[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.)**

- ☐ Histosal (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Minerals (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**

- ☐ 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

**Restrictive Layer (if present):**

Type: hard pan

Depth (inches):17

**Hydric Soil Present?** Yes☐ No☒

Remarks: Mixed matrix between 14-17 inches BGS. Organic matter present in upper 10 inches BGS.

## HYDROLOGY

**Wetland Hydrology Indicators:**

Primary Indicators (min. 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)
- ☐ Water-Stained Leaves (B9) **(except MLRA 1, 2, 4A, & 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 (D4)

**Field Observations:**

| | | | |
|---|---|---|---|
| Surface Water Present? | Yes ☐ | No ☒ | Depth (Inches): |
| Water Table Present? | Yes ☐ | No ☒ | Depth (Inches): |
| Saturation Present? (Includes Capillary fringe) | Yes ☒ | No ☐ | Depth (Inches): 10 |

**Wetland Hydrology Present?** Yes ☒ No ☐

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

Remarks:Soils moist in upper portion.

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

Project/Site: Romine Delineation | City/County: Gearhart, Clatsop | Sampling Date: 4/23/2016
Applicant/Owner: Ray Romine Construction, LLC | State: OR | Sampling Point: TP-2
Investigator(s): S. Taylor | Section, Township, Range: S-6, T-10N, R-0W
Landform (hillslope, terrace, etc.): footslope dune | Local relief: convex | Slope (%): 3-15%
Subregion (LRR): 4A | Lat: 46.0344 | Long: -123.9105 | Datum: NAD83
Soil Map Unit Name: 19C, Gearhart fine sandy loam | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes☒ No☐ (If no, explain Remarks.)
Are Vegetation☐, Soil☐, or Hydrology☐ significantly disturbed? Area "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.

| | | |
|---|---|---|
| Hydrophytic Vegetation Present? | Yes ☒ No ☐ | **Is the Sampled Area within a Wetland?** Yes☐ No☒ |
| Hydric Soils Present? | Yes ☐ No ☒ | |
| Wetland Hydrology Present? | Yes ☐ No ☒ | |

Remarks: Test plot located northwest in the study area, and northeast of Wetland A.

### VEGETATION (*Use scientific names*)

| Tree Stratum (Plot size: 30 ft radius) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|---|---|---|
| 1. *Picea sitchensis* | 80% | yes | FAC |
| 2. *Alnus rubra* | 10% | no | FAC |
| 3. *Frangula purshiana* | 10% | no | FAC |
| 4. | % | | |
| Total Cover: | 100% | | |
| **Sapling/Shrub Stratum** (Plot size: 15 ft. radius) | | | |
| 1. *Rubus spectabilis* | 20% | yes | FAC |
| 2. *Rubus parviflorus* | 20% | yes | FACU |
| 3. *Malus fusca* | 10% | no | FAC |
| 4. *Gaultheria shallon* | 5% | no | FACU |
| 5. *Oemleria cerasiformis* | 5% | no | FACU |
| Total Cover: | 60% | | |
| **Herb Stratum** (Plot size: 5 ft radius) | | | |
| 1. *Maianthemum dilatatum* | 40% | yes | FAC |
| 2. *Carex obnupta* | 20% | yes | OBL |
| 3. *Polystichum munitum* | 20% | yes | FACU |
| 4. *Pteridium aquilinum* | 20% | yes | FACU |
| 5. | % | | |
| 6. | % | | |
| 7. | % | | |
| 8. | % | | |
| Total Cover: | 100% | | |
| **Woody Vine Stratum** (Plot size: 15 ft radius) | | | |
| 1. | % | | |
| 2. | % | | |
| Total Cover: | % | | |

% Bare Ground in Herb Stratum 0%

**Dominance Test Worksheet**

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 57 (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
- ☒ 2 – Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ 4 - Morphological Adaptations[1] (Provide supporting data In Remarks or on a separate sheet)
- ☐ 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☒ No☐

Remarks:

## SOIL

Sampling Point: TP-2

**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 |
|---|---|---|---|---|---|---|---|---|
| 0-16 | 7.5YR 2/2 | 100% | | % | | | Fine sand | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |

[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.)**

- ☐ Histosal (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Minerals (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**

- ☐ 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

**Restrictive Layer (if present):**

Type: _____

Depth (inches):_____

**Hydric Soil Present?** Yes☐ No☒

Remarks:

## HYDROLOGY

**Wetland Hydrology Indicators:**

Primary Indicators (min. 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)
- ☐ Water-Stained Leaves (B9) **(except MLRA 1, 2, 4A, & 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 (D4)

**Field Observations:**

Surface Water Present? Yes ☐ No ☒ Depth (Inches):

Water Table Present? Yes ☐ No ☒ Depth (Inches):

Saturation Present? (Includes Capillary fringe) Yes ☐ No ☒ Depth (Inches): _____

**Wetland Hydrology Present?** Yes ☐ No ☒

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

Remarks:

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

Project/Site: Romine Delineation City/County: Gearhart, Clatsop Sampling Date: 4/23/2016
Applicant/Owner: Ray Romine Construction, LLC State: OR Sampling Point: TP-3
Investigator(s): S. Taylor Section, Township, Range: S-6, T-10N, R-0W
Landform (hillslope, terrace, etc.): footslope dune Local relief: concave Slope (%): 3-15%
Subregion (LRR): 4A Lat: 46.0344 Long: -123.9105 Datum: NAD83
Soil Map Unit Name: 19C, Gearhart fine sandy loam NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes☒ No☐ (If no, explain Remarks.)
Are Vegetation☐, Soil☐, or Hydrology☐ significantly disturbed? Area "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.

| | | |
|---|---|---|
| Hydrophytic Vegetation Present? | Yes ☒ No ☐ | **Is the Sampled Area within a Wetland?** Yes☒ No☐ |
| Hydric Soils Present? | Yes ☐ No ☒ | |
| Wetland Hydrology Present? | Yes ☒ No ☐ | |

Remarks: Test plot located within Wetland A, on the central western portion of the study area,

### VEGETATION (*Use scientific names*)

| Tree Stratum (Plot size: 30 ft radius) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|---|---|---|
| 1. *Alnus rubra* | 30% | yes | FAC |
| 2. *Picea sitchensis* | 10% | yes | FAC |
| 3. | % | | |
| 4. | % | | |
| Total Cover: | 40% | | |
| **Sapling/Shrub Stratum** (Plot size: 15 ft. radius) | | | |
| 1. *Malus fusca* | 90% | yes | FACW |
| 2. *Rubus spectabilis* | 10% | no | FAC |
| 3. | % | | |
| 4. | % | | |
| 5. | % | | |
| Total Cover: | 100% | | |
| **Herb Stratum** (Plot size: 5 ft radius) | | | |
| 1. *Maianthemum dilatatum* | 80% | yes | FAC |
| 2. *Carex obnupta* | 20% | yes | OBL |
| 3. | % | | |
| 4. | % | | |
| 5. | % | | |
| 6. | % | | |
| 7. | % | | |
| 8. | % | | |
| Total Cover: | 100% | | |
| **Woody Vine Stratum** (Plot size: 15 ft radius) | | | |
| 1. | % | | |
| 2. | % | | |
| Total Cover: | % | | |

% Bare Ground in Herb Stratum 0%

**Dominance Test Worksheet**

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (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
- ☒ 2 – Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ 4 - Morphological Adaptations[1] (Provide supporting data In Remarks or on a separate sheet)
- ☐ 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☒ No☐

Remarks:

## SOIL

Sampling Point: TP-3

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

| Depth (inches) | Matrix Color (moist) | Matrix % | Redox Features Color (moist) | Redox Features % | Type[1] | Loc[2] | Texture | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0-8 | 10YR 2/1 | 100% | | % | | | Loamy sand | |
| 8-16 | 10YR 2/1 | 30% | | % | | | Loamy sand | See Remarks Below |
| | 5YR 2.5/2 | 70% | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |

[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.)**

- ☐ Histosal (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Minerals (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**

- ☐ 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

**Restrictive Layer (if present):**

Type: hard pan

Depth (inches):8

**Hydric Soil Present?** Yes☐ No☒

Remarks: Mixed matrix between 14-17 inches BGS. Organic matter present in upper 10 inches BGS.

## HYDROLOGY

**Wetland Hydrology Indicators:**

Primary Indicators (min. 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)
- ☐ Water-Stained Leaves (B9) **(except MLRA 1, 2, 4A, & 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 (D4)

**Field Observations:**

| | | | |
|---|---|---|---|
| Surface Water Present? | Yes ☐ | No ☒ | Depth (Inches): |
| Water Table Present? | Yes ☐ | No ☒ | Depth (Inches): |
| Saturation Present? (Includes Capillary fringe) | Yes ☒ | No ☐ | Depth (Inches): 6 |

**Wetland Hydrology Present?** Yes ☒ No ☐

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

Remarks:Soils moist in upper portion.

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

Project/Site: Romine Delineation | City/County: Gearhart, Clatsop | Sampling Date: 4/23/2016
Applicant/Owner: Ray Romine Construction, LLC | State: OR | Sampling Point: TP-4
Investigator(s): S. Taylor | Section, Township, Range: S-6, T-10N, R-0W
Landform (hillslope, terrace, etc.): footslope dune | Local relief: convex | Slope (%): 3-15%
Subregion (LRR): 4A | Lat: 46.0344 | Long: -123.9105 | Datum: NAD83
Soil Map Unit Name: 19C, Gearhart fine sandy loam | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes☒ No☐ (If no, explain Remarks.)
Are Vegetation☐, Soil☐, or Hydrology☐ significantly disturbed? Area "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.

| | |
|---|---|
| Hydrophytic Vegetation Present? Yes ☒ No ☐<br>Hydric Soils Present? Yes ☐ No ☒<br>Wetland Hydrology Present? Yes ☐ No ☒ | **Is the Sampled Area within a Wetland?** Yes☐ No☒ |

Remarks: Test plot located southeast of Wetland A.

### VEGETATION (*Use scientific names*)

| Tree Stratum (Plot size: 30 ft radius) | Absolute % Cover | Dominant Species? | Indicator Status |
|---|---|---|---|
| 1. *Alnus rubra* | 40% | yes | FAC |
| 2. *Picea sitchensis* | 10% | yes | FAC |
| 3. | % | | |
| 4. | % | | |
| Total Cover: | 50% | | |
| **Sapling/Shrub Stratum** (Plot size: 15 ft. radius) | | | |
| 1. *Malus fusca* | 100% | yes | FACW |
| 2. *Rubus spectabilis* | 10% | no | FAC |
| 3. *Rubus parviflorus* | 5% | no | FAC |
| 4. | % | | |
| 5. | % | | |
| Total Cover: | 115% | | |
| **Herb Stratum** (Plot size: 5 ft radius) | | | |
| 1. *Maianthemum dilatatum* | 55% | yes | FAC |
| 2. *Carex obnupta* | 40% | yes | OBL |
| 3. *Polystichum munitum* | 5% | no | FACU |
| 4. | % | | |
| 5. | % | | |
| 6. | % | | |
| 7. | % | | |
| 8. | % | | |
| Total Cover: | 100% | | |
| **Woody Vine Stratum** (Plot size: 15 ft radius) | | | |
| 1. | % | | |
| 2. | % | | |
| Total Cover: | % | | |

% Bare Ground in Herb Stratum 0%

**Dominance Test Worksheet**

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (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
- ☒ 2 – Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ 4 - Morphological Adaptations[1] (Provide supporting data In Remarks or on a separate sheet)
- ☐ 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☒ No☐

Remarks:

## SOIL

Sampling Point: TP-4

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

| Depth (inches) | Matrix Color (moist) | Matrix % | Redox Features Color (moist) | Redox Features % | Type[1] | Loc[2] | Texture | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0-16 | 7.5YR 2/2 | 100% | | % | | | Loamy sand | |
| 16-18 | 7.5YR 2/2 | 50% | | % | | | Loamy sand | See Remarks Below |
| | 2.5YR 2/1 | 50% | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |
| | | % | | % | | | | |

[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.)**

- ☐ Histosal (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Minerals (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**

- ☐ 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

**Restrictive Layer (if present):**

Type: _____

Depth (inches):_____

**Hydric Soil Present?** Yes☐ No☒

Remarks: Mixed matrix at 16 inches and greater BGS

## HYDROLOGY

**Wetland Hydrology Indicators:**

Primary Indicators (min. 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)
- ☐ Water-Stained Leaves (B9) **(except MLRA 1, 2, 4A, & 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 (D4)

**Field Observations:**

Surface Water Present? Yes ☐ No ☒ Depth (Inches):

Water Table Present? Yes ☐ No ☒ Depth (Inches):

Saturation Present? (Includes Capillary fringe) Yes ☐ No ☒ Depth (Inches): _____

**Wetland Hydrology Present?** Yes ☐ No ☒

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

Remarks:

# Appendix C

*Above*: **1.** View southwest in the central portion of the site. This are is heavily shaded by mature spruce trees. The boundary of Wetland A is located just beyond the lilly-of-the-valley across the central portion of the photo and is approximately 6 to 8 inches lower in elevation.

*Below*: **2.** View looking southwest near the upland/wetland boundary. The ground slopes down approximately 6 to 8 inches to the wetland floor (bare area) in the right side of the picture.

| | | | |
|---|---|---|---|
| Ecological Land Services | 1157 3rd Ave., Suite 220A<br>Longview, WA 98632<br>Phone: (360) 578-1371<br>Fax: (360) 414-9305 | DATE: 04/26/16<br>DWN: JM<br>PRJ. MGR: ST<br>PROJ.#: 1133.03 | Photoplate 1<br>Ground Level Color Photographs<br>Romine Delineation<br>Ray Romine Construction, LLC<br>City of Gearhart, Oregon |

*Above*: **3.** View of the southern boundary of Wetland A taken from Hillila Lane looking northwest.

*Below:* **4.** View southeast of the upland hillside in the southern portion of the study area.

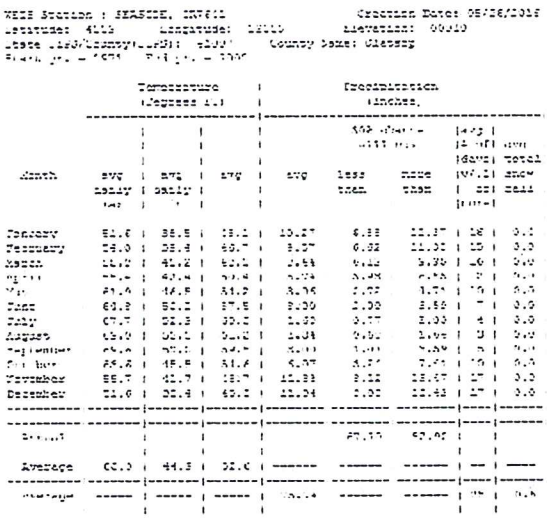
| | | | |
|---|---|---|---|
| Ecological Land Services | 1157 3rd Ave., Suite 220A<br>Longview, WA 98632<br>Phone: (360) 578-1371<br>Fax: (360) 414-9305 | DATE: 04/26/16<br>DWN: JM<br>PRJ. MGR: ST<br>PROJ.#: 1133.03 | Photoplate 2<br>Ground Level Color Photographs<br>Romine Delineation<br>Ray Romine Construction, LLC<br>City of Gearhart, Oregon |

*Below*: **5.** View of the overall representative condition of the forested hillside.

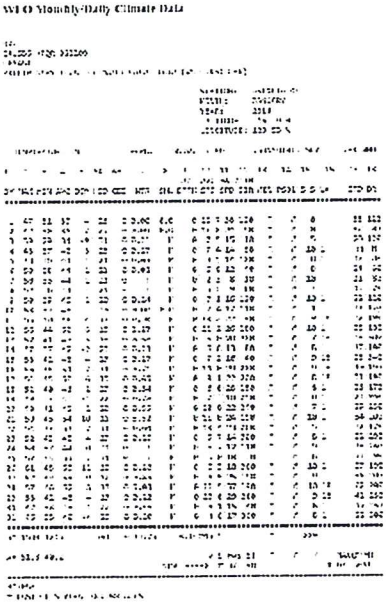
| | | | |
|---|---|---|---|
| Ecological Land Services | 1157 3rd Ave., Suite 220A<br>Longview, WA 98632<br>Phone: (360) 578-1371<br>Fax: (360) 414-9305 | DATE: 04/26/16<br>DWN: JM<br>PRJ. MGR: ST<br>PROJ.#: 1133.03 | Photoplate 3<br>Ground Level Color Photographs<br>Romine Delineation<br>Ray Romine Construction, LLC<br>City of Gearhart, Oregon |

# Appendix D

## Additional Information



WETS Table for the Precipition Data & Analysis.



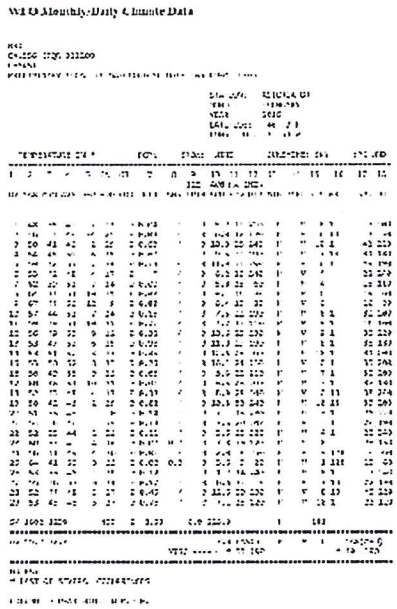
NOAA Preliminary table for the month of January.


Ecological Land Services

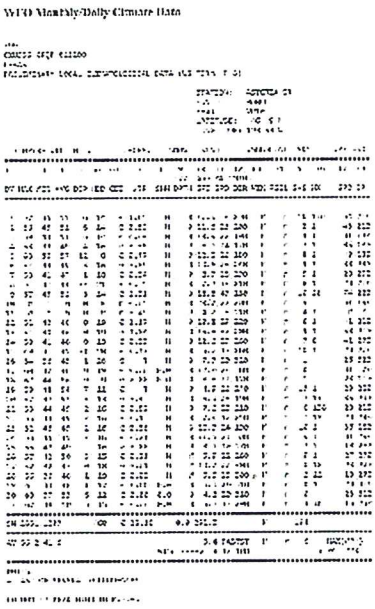
1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371
Fax: (360) 414-9305


DATE: 5/26/16
DWN: JM
PRJ. MGR: ST
PROJ.#: 1133.03

Additional Information
Appendix D
Romine Delineation
Ray Romine Construction, LLC
City of Gearhart, Oregon



NOAA Preliminary table for the month of February.



NOAA Preliminary table for the month of March.

| | | | |
|---|---|---|---|
| Ecological Land Services | 1157 3rd Ave., Suite 220A<br>Longview, WA 98632<br>Phone: (360) 578-1371<br>Fax: (360) 414-9305 | DATE: 5/26/16<br>DWN: JM<br>PRJ. MGR: ST<br>PROJ.#: 1133.03 | Additional Information<br>Appendix D<br>Romine Delineation<br>Ray Romine Construction, LLC<br>City of Gearhart, Oregon |

# Appendix E

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