



Delineation Report – No Wetlands or Other Waters for Small Sites

This form may be used to report on the results of an onsite delineation for study areas two acres or less that contain **no wetlands or other waters** such as streams, drainages, or ponds. See below for additional eligibility criteria.

A fully completed and signed report form and [applicable fees](#) are required before report review timelines are initiated by the Department of State Lands.

Make checks payable to the Oregon Department of State Lands. To pay fees by credit card, go [online](#). An electronic report submittal is preferred. A single PDF of the completed form and attachments may be e-mailed to: **wetland.delineation@dsl.oregon.gov**. For submittal of PDF files larger than 50MB, e-mail DSL instructions on how to access the file from your ftp or other file sharing website. For paper submittals and fee payments, submit to: **Oregon Department of State Lands, 775 Summer Street NE, Suite 100, Salem, OR 97301-1279.**

Directions: complete Sections 2 – 5 and submit with required attachments (Section 1).

Section 1. Eligibility and Requirements

Eligibility criteria:

- Study area is 2 acres or less.
- No wetlands or waters within the study area (including the ordinary high water line, highest measured tide, or pool elevation of a nearby water).
- No disturbance has occurred that may obscure wetland indicators or have affected the presence of wetlands or other waters.
- Not currently or recently managed as an agricultural site.
- The field investigation and form must be completed by a wetland professional.

Requirements:

- Wetland delineations must be conducted in accordance with the 1987 U.S. Army Corps of Engineers *Wetlands Delineation Manual*, including regional supplements and applicable guidance and any supporting technical guidance documents issued by the Department.
- Wetland determination data forms must be provided for all suspect areas, including but not limited to areas with mapped wetlands, hydric soils, wet signatures on aeriels, low areas, and other areas likely to be wetland.
- Wetland delineation map(s) must be at a scale suitable for the study area size and indicate the study area boundary in relation to the parcel boundaries. The map(s) must include numbered sample plots corresponding to data forms, areas of fill or grading or other major alterations, mapping method and estimated mapping precision statement (1 meter requirement) for the study area boundary and data plot points, a north arrow and scale bar, and photograph locations and direction of view.

Required Attachments (all attachments must be legible):

- Figure 1. Location Map (with outline of study area)
- Figure 2. Tax Lot Map (with outline of study area)
- Figure 3. Recent Aerial (with outline of study area)
- Figure 4. Wetland Delineation Map(s) (see requirements section)
- Figure 5. Ground level color photos
- Data Forms (meets data form requirements OAR141-090-0035(16))

Failure to meet eligibility criteria and/or requirements:

- Upon rejection of a report, an applicant, landowner, or agent may submit a new wetland delineation report, however new fees are required.

Section 2. Contact and Authorization Information☒ Applicant ☐ Owner Name, Firm and Address:

Meadowlark Energy Storage LLC, Attn: Emily Ramos
412 West 15th Street, 15th Floor
New York, NY
10011

Business phone # (818) 391-7346

Mobile phone # (optional)

E-mail: eramos@usrenewablesllc.com

☒ Authorized Legal Agent, Name and Address (if different):

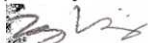
Tony Vingiello
Dudek
605 NE 21st Avenue, Suite 200
Portland, OR 97232

Business phone # (503) 705-8553

Mobile phone # (optional)

E-mail: avingiello@dudek.com

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 delineation, after prior notification to the primary contact.

Typed/Printed Name: Tony VingielloSignature: 

Date: 07/14/2022

Special instructions regarding site access: Please contact agent before accessing

Section 3. Project and Site Information

Project Name: Meadowlark Energy Storage

Latitude: 45.372765

Longitude: -122.833925

Decimal Degree required. Provide centroid of site or start & end points of linear project

Proposed Use: Construct, own and operate an underground high voltage transmission line and 3 riser poles up to 55' in height, and connect a proposed access road to SW Langer Farms

Tax Map # 2S129A

Tax Lot(s) 1650, 1651, 3500

Tax Map #--

Tax Lot(s) --

Site Street Address (or other descriptive location):

south of Home Depot, 20260 SW Pacific Hwy

Township 2S

Range 1W

Section 29A

QQNE

City: Sherwood

County: Washington

Section 4. Additional Site Information (check applicable boxes)☐ LWI or SWI shows wetlands or waters within the **study area**.

Wetland LWI ID code(s) _____

☒ There are likely wetlands or waters within the **tax lot(s)** (outside the study area)☐ There has been fill or grading activity within:☐ **study area**. Approx. date(s) _____☐ **tax lot(s)**. Approx. date(s) _____☒ Previous DSL action on **tax lot(s)**

If known, previous DSL # 2023-0435

Section 5. Wetland Delineation Information

Primary Contact for delineation review and site access is

☒ Consultant ☐ Applicant/Owner ☒ Authorized Agent

Wetland Consultant Name, Firm and Address:

Tony Vingiello, PWS
Dudek
605 NE 21st Avenue, Suite 200
Portland, OR 97232

Phone # (503) 705-8553

Mobile phone # (if applicable)

E-mail: avingiello@dudek.com

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

Consultant Signature: 

Date: 07/14/2026

Disclaimer: This report documents the investigation, best professional judgment and conclusions of the investigator. It should be considered a Preliminary Jurisdictional Determination of wetlands and other waters and used at your own risk unless it has been reviewed and approved in writing by the Oregon Department of State Lands in accordance with OAR 141-090-0005 through 141-090-0055.

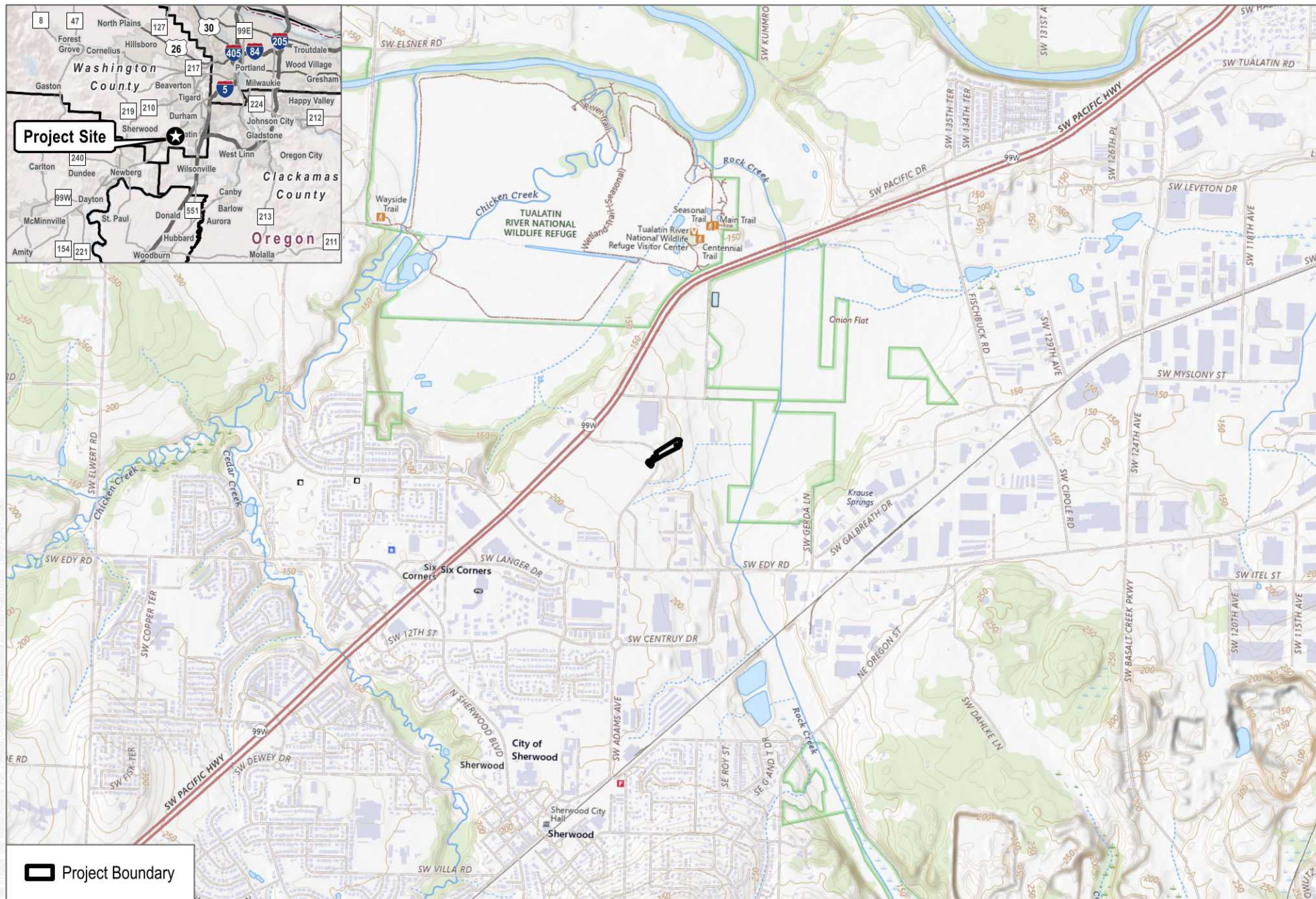
Section 6. For Office Use Only

DSL Reviewer: _____ Date Fee Paid ____/____/____

DSL WD # _____

Date Delineation Received: ____/____/____

DSL App.# _____



SOURCE: USGS National Map 2026

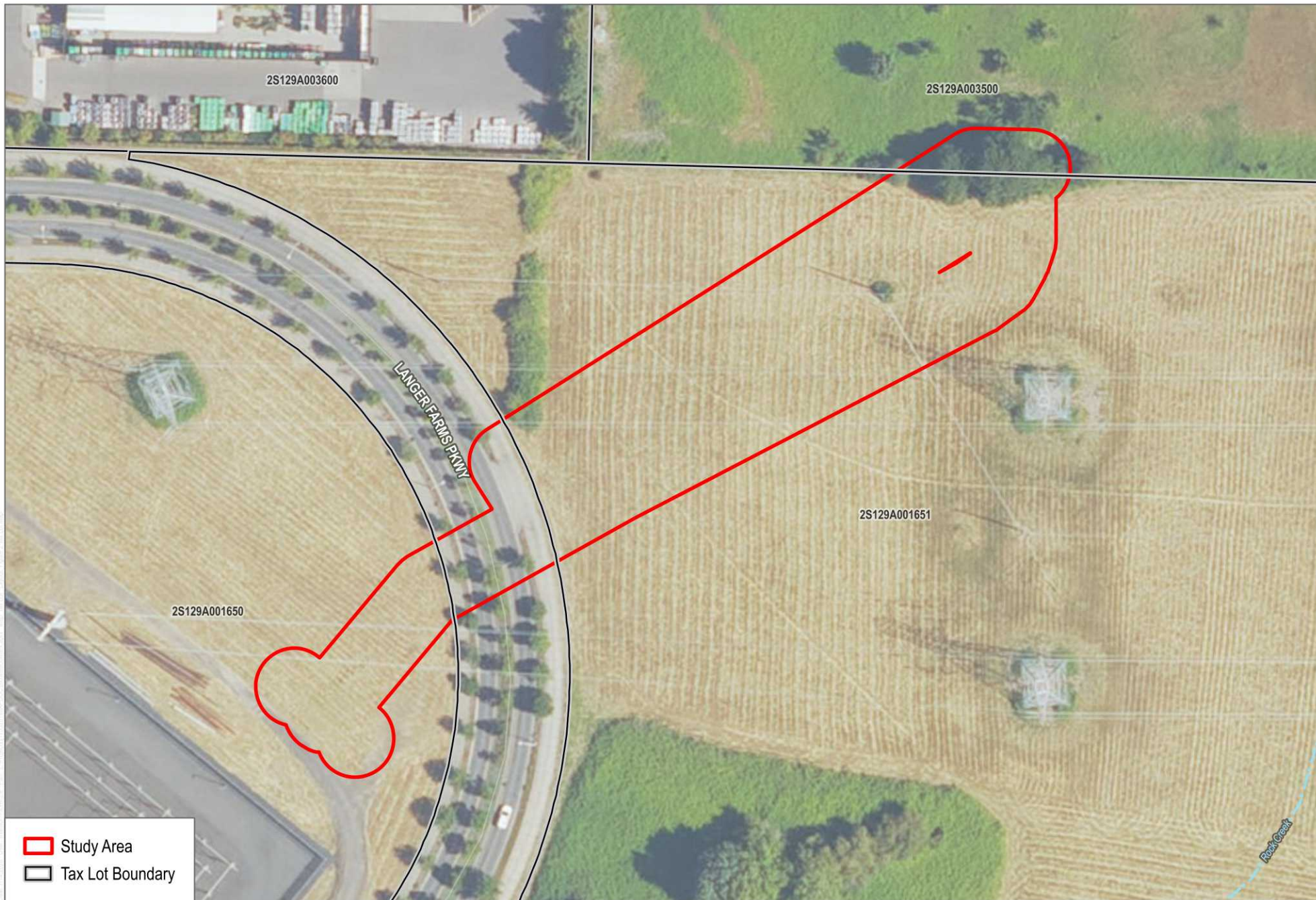
DUDEK



0 1,000 2,000 Feet

FIGURE 1

Location Map



SOURCE: OSIP 2024; Washington County 2026

DUDEK



0 40 80 Feet

FIGURE 2
Tax Lot Map

Meadowlark Energy Project Wetland Delineation Report



SOURCE: Nearmap 2026

DUDEK

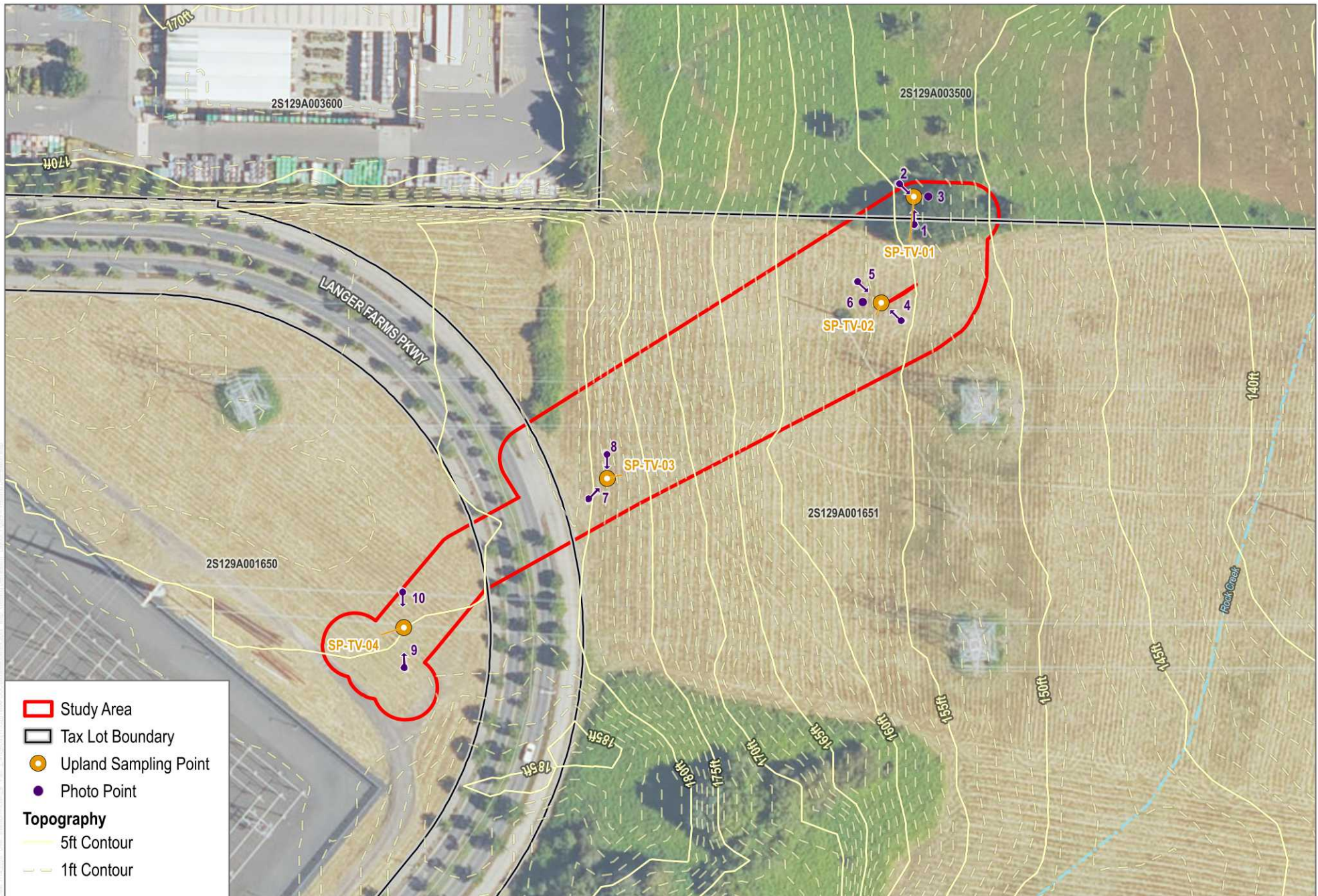


0 30 60
Feet

FIGURE 3

Recent Aerial

Meadowlark Energy Project Wetland Delineation Report



SOURCE: OSIP 2024; Washington County 2026
1 inch equals 100 feet

DUDEK



0 50 100 Feet

FIGURE 4

Wetland Delineation Map

Meadowlark Energy Project Wetland Delineation Report



Photo 1. View facing north at plot SP-TV-01.



Photo 2. View facing north at plot SP-TV-01.



Photo 3. Soil at plot SP-TV-01.



Photo 4. View facing northwest towards plot SP-TV-02.



Photo 5. View facing southeast towards plot SP-TV-02.



Photo 6. Soil at plot SP-TV-02.



Photo 7. View facing northeast towards plot SP-TV-03.



Photo 8. View facing south towards SP-TV-03.



Photo 9. View facing north at SP-TV-04.



Photo 10. View facing south at SP-TV-04.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-03; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Meadowlark - May 2026</u>	City/County: <u>Sherwood</u>	Sampling Date: <u>05/15/2026</u>
Applicant/Owner: <u>Meadowlark Energy LLC</u>	State: <u>OR</u>	Sampling Point: <u>SP-TV-01</u>
Investigator(s): <u>T. Vingiello</u>	Section, Township, Range: <u>Sec 29A, T2S, R1W</u>	
Landform (hillslope, terrace, etc): <u>Hillslope</u>	Local relief (concave, convex, none): <u>none</u>	Slope (%): <u>4</u>
Subregion (LRR): <u>LRR A, MLRA 2</u>	Lat: <u>45.373318</u>	Long: <u>-122.83292717</u>
Soil Map Unit Name: <u>Quatama loam, 3 to 7 percent slopes (37B)</u>	NWI classification: <u>None</u>	Datum: <u>WSG-84</u>

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

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

Are Vegetation No, Soil No, or Hydrology No 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 ☒ Hydric Soil Present? Yes ☐ No ☒ Wetland Hydrology Present? Yes ☐ No ☒	Is the Sampled Area within a Wetland? Yes ☐ No ☒
Remarks: Disturbed from blackberry clearing in 2025 on tax lot 1651 at plot and northward. Trees and saplings remain. On moderate slope, but flatter than 50' east and west of the plot.	

VEGETATION - Use scientific names of plants.

<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Tree Stratum (Plot size: <u>30-ft</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr> <td>1. <u>Prunus avium / Sweet cherry</u></td> <td style="text-align: center;">35</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">FACU</td> </tr> <tr> <td>2. _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3. _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4. _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">35</td> <td colspan="2" style="text-align: center;">= Total Cover</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Sapling/Shrub Stratum (Plot size: <u>15-ft</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr> <td>1. <u>Rubus armeniacus / Himalayan blackberry</u></td> <td style="text-align: center;">75</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">FAC</td> </tr> <tr> <td>2. <u>Corylus cornuta / Beaked hazelnut</u></td> <td style="text-align: center;">5</td> <td style="text-align: center;">No</td> <td style="text-align: center;">FACU</td> </tr> <tr> <td>3. <u>Prunus avium / Sweet cherry</u></td> <td style="text-align: center;">3</td> <td style="text-align: center;">No</td> <td style="text-align: center;">FACU</td> </tr> <tr> <td>4. _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5. _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">83</td> <td colspan="2" style="text-align: center;">= Total Cover</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Herb Stratum (Plot size: <u>5-ft</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td></tr> <tr><td>3. _____</td><td></td><td></td><td></td></tr> <tr><td>4. _____</td><td></td><td></td><td></td></tr> <tr><td>5. _____</td><td></td><td></td><td></td></tr> <tr><td>6. _____</td><td></td><td></td><td></td></tr> <tr><td>7. _____</td><td></td><td></td><td></td></tr> <tr><td>8. _____</td><td></td><td></td><td></td></tr> <tr><td>9. _____</td><td></td><td></td><td></td></tr> <tr><td>10. _____</td><td></td><td></td><td></td></tr> <tr><td>11. _____</td><td></td><td></td><td></td></tr> <tr> <td></td> <td style="text-align: center;">0</td> <td colspan="2" style="text-align: center;">= Total Cover</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Woody Vine Stratum (Plot size: <u>30-ft</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1. _____</td><td></td><td></td><td></td></tr> <tr><td>2. _____</td><td></td><td></td><td></td></tr> <tr> <td></td> <td style="text-align: center;">0</td> <td colspan="2" style="text-align: center;">= Total Cover</td> </tr> </table> % Bare Ground in Herb Stratum <u>100</u>	Tree Stratum (Plot size: <u>30-ft</u>)	Absolute % Cover	Dominant Species?	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Indicator Status	1. _____				2. _____					0	= Total Cover		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: center;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>75</u></td> <td>x 3 = <u>225</u></td> </tr> <tr> <td>FACU species <u>43</u></td> <td>x 4 = <u>172</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>118</u> (A)</td> <td><u>397</u> (B)</td> </tr> </table> Prevalence Index = B/A = <u>3.36</u> Hydrophytic Vegetation Indicators: ☐ 1 - Rapid Test for Hydrophytic Vegetation ☐ 2 - Dominance Test is >50% ☐ 3 - Prevalence Index ≤3.0¹ ☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) ☐ 5 - Wetland Non-Vascular Plants¹ ☐ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes ☐ No ☒	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>75</u>	x 3 = <u>225</u>	FACU species <u>43</u>	x 4 = <u>172</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>118</u> (A)	<u>397</u> (B)
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Remarks:

Generally RUBARM monoculture to north with maple, pear, alder trees and saplings, sword fern, velvet grass with 5-20% cover on lot.

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2	10YR 3/3	100					Silt Loam	Disturbed, cleared
2-16	10YR 3/3	100					Silt Loam	Mod. compacted. RUBARM roots

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.)**

- | | |
|--|--|
| ☐ Histosol (A1) | ☐ Sandy Gleyed Matrix (S4) |
| ☐ Histic Epipedon (A2) | ☐ Sandy Redox (S5) |
| ☐ Black Histic (A3) | ☐ Stripped Matrix (S6) |
| ☐ Hydrogen Sulfide (A4) | ☐ Loamy Mucky Mineral (F1) (except MLRA 1) |
| ☐ 1 cm Muck (A9) (LRR D, G) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Depleted Matrix (F3) |
| ☐ Thick Dark Surface (A12) | ☐ Redox Dark Surface (F6) |
| ☐ Iron Monosulfide (A18) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Depressions (F8) |
| ☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G) | |

Indicators for Problematic Hydric Soils³:

- ☐
- 2 cm Muck (A10)
- (LRR A, E)**
-
- ☐
- Iron-Manganese Masses (F12)
- (LRR D)**
-
- ☐
- Red Parent Material (F21)
-
- ☐
- Very Shallow Dark Surface (F22)
-
- ☐
- Other (Explain in Remarks)

³Indicators 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: Disturbed to only top 2-3"

HYDROLOGY**Wetland Hydrology Indicators:**

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

- | | |
|--|--|
| ☐ Surface Water (A1) | ☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) |
| ☐ High Water Table (A2) | ☐ Salt Crust (B11) |
| ☐ Saturation (A3) | ☐ Aquatic Invertebrates (B13) |
| ☐ Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Sediment Deposits (B2) | ☐ Oxidized Rhizospheres along Living Roots (C3) |
| ☐ Drift Deposits (B3) | ☐ Presence of Reduced Iron (C4) |
| ☐ Algal Mat or Crust (B4) | ☐ Recent Iron Reduction in Tilled Soils (C6) |
| ☐ Iron Deposits (B5) | ☐ Stunted or Stressed Plants (D1) (LRR A) |
| ☐ Surface Soil Cracks (B6) | ☐ Other (Explain in Remarks) |
| ☐ Inundation Visible on Aerial Imagery (B7) | |
| ☐ Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators (minimum of two 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 <u>X</u>	Depth (inches): _____
Water Table Present?	Yes _____ No <u>X</u>	Depth (inches): _____
Saturation Present?	Yes _____ No <u>X</u>	Depth (inches): _____

(includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks: Continuous slope

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-03; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Meadowlark - May 2026</u>	City/County: <u>Sherwood</u>	Sampling Date: <u>05/15/2026</u>
Applicant/Owner: <u>Meadowlark Energy LLC</u>	State: <u>OR</u>	Sampling Point: <u>SP-TV-02</u>
Investigator(s): <u>T. Vingiello</u>	Section, Township, Range: <u>Sec 29A, T2S, R1W</u>	
Landform (hillslope, terrace, etc): <u>Hillslope</u>	Local relief (concave, convex, none): <u>none</u>	Slope (%): <u>2</u>
Subregion (LRR): <u>LRR A, MLRA 2</u>	Lat: <u>45.37306833</u>	Long: <u>-122.8330065</u>
Soil Map Unit Name: <u>Quatama loam, 3 to 7 percent slopes (37B)</u>	NWI classification: <u>None</u>	Datum: <u>WSG-84</u>

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

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

Are Vegetation No, Soil No, or Hydrology No 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 <u> </u> No <u>X</u> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
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Remarks: Likely mowed within last year because vegetation surrounding transmission tower is taller. Lightly disturbed but still the normal condition.

VEGETATION - Use scientific names of plants.

<table style="width: 100%;"> <tr> <th style="text-align: left;">Tree Stratum (Plot size: <u>30-ft</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1. <u> </u></td><td></td><td></td><td></td></tr> <tr><td>2. <u> </u></td><td></td><td></td><td></td></tr> <tr><td>3. <u> </u></td><td></td><td></td><td></td></tr> <tr><td>4. <u> </u></td><td></td><td></td><td></td></tr> <tr><td colspan="2" style="text-align: right;"><u>0</u></td><td colspan="2">= Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <th style="text-align: left;">Sapling/Shrub Stratum (Plot size: <u>15-ft</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1. <u>Rubus armeniacus / Himalayan blackberry</u></td><td style="text-align: center;"><u>2</u></td><td style="text-align: center;"><u>No</u></td><td style="text-align: center;"><u>FAC</u></td></tr> <tr><td>2. <u> </u></td><td></td><td></td><td></td></tr> <tr><td>3. <u> </u></td><td></td><td></td><td></td></tr> <tr><td>4. <u> </u></td><td></td><td></td><td></td></tr> <tr><td>5. <u> </u></td><td></td><td></td><td></td></tr> <tr><td colspan="2" style="text-align: right;"><u>2</u></td><td colspan="2">= Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <th style="text-align: left;">Herb Stratum (Plot size: <u>5-ft</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1. <u>Raphanus sp. / Radish</u></td><td style="text-align: center;"><u>35</u></td><td style="text-align: center;"><u>Yes</u></td><td style="text-align: center;"><u>NI</u></td></tr> <tr><td>2. <u>Lolium rigidum / Rigid italian rye grass</u></td><td style="text-align: center;"><u>30</u></td><td style="text-align: center;"><u>Yes</u></td><td style="text-align: center;"><u>NI</u></td></tr> <tr><td>3. <u>Poa palustris / Fowl bluegrass, Fowl blue grass</u></td><td style="text-align: center;"><u>20</u></td><td style="text-align: center;"><u>No</u></td><td style="text-align: center;"><u>FAC</u></td></tr> <tr><td>4. <u>Bromus hordeaceus ssp. hordeaceus / Soft brome</u></td><td style="text-align: center;"><u>15</u></td><td style="text-align: center;"><u>No</u></td><td style="text-align: center;"><u>NI</u></td></tr> <tr><td>5. <u>Holcus lanatus / Common velvetgrass, Common velvet gras</u></td><td style="text-align: center;"><u>10</u></td><td style="text-align: center;"><u>No</u></td><td style="text-align: center;"><u>FAC</u></td></tr> <tr><td>6. <u>Vicia sativa / Spring vetch</u></td><td style="text-align: center;"><u>7</u></td><td style="text-align: center;"><u>No</u></td><td style="text-align: center;"><u>UPL</u></td></tr> <tr><td>7. <u>Rumex acetosella / Sheep sorrel</u></td><td style="text-align: center;"><u>3</u></td><td style="text-align: center;"><u>No</u></td><td style="text-align: center;"><u>FACU</u></td></tr> <tr><td>8. <u>Rumex crispus / Curly dock</u></td><td style="text-align: center;"><u>3</u></td><td style="text-align: center;"><u>No</u></td><td style="text-align: center;"><u>FAC</u></td></tr> <tr><td>9. <u>Trifolium pratense / Red clover</u></td><td style="text-align: center;"><u>2</u></td><td style="text-align: center;"><u>No</u></td><td style="text-align: center;"><u>FACU</u></td></tr> <tr><td>10. <u> </u></td><td></td><td></td><td></td></tr> <tr><td>11. <u> </u></td><td></td><td></td><td></td></tr> <tr><td colspan="2" style="text-align: right;"><u>125</u></td><td colspan="2">= Total Cover</td></tr> </table> <table style="width: 100%;"> <tr> <th style="text-align: left;">Woody Vine Stratum (Plot size: <u>30-ft</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1. <u> </u></td><td></td><td></td><td></td></tr> <tr><td>2. <u> </u></td><td></td><td></td><td></td></tr> <tr><td colspan="2" style="text-align: right;"><u>0</u></td><td colspan="2">= Total Cover</td></tr> </table> % Bare Ground in Herb Stratum <u>-25</u>	Tree Stratum (Plot size: <u>30-ft</u>)	Absolute % Cover	Dominant Species?	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Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	<u>x 1 = 0</u>	FACW species <u>0</u>	<u>x 2 = 0</u>	FAC species <u>35</u>	<u>x 3 = 105</u>	FACU species <u>5</u>	<u>x 4 = 20</u>	UPL species <u>87</u>	<u>x 5 = 435</u>	Column Totals: <u>127</u> (A)	<u>560</u> (B)
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Remarks:

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	10YR 3/2	100					Silt Loam	Many roots
6-16	10YR 3/2						Silt Loam	No roots

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.)**

- | | |
|--|--|
| ☐ Histosol (A1) | ☐ Sandy Gleyed Matrix (S4) |
| ☐ Histic Epipedon (A2) | ☐ Sandy Redox (S5) |
| ☐ Black Histic (A3) | ☐ Stripped Matrix (S6) |
| ☐ Hydrogen Sulfide (A4) | ☐ Loamy Mucky Mineral (F1) (except MLRA 1) |
| ☐ 1 cm Muck (A9) (LRR D, G) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Depleted Matrix (F3) |
| ☐ Thick Dark Surface (A12) | ☐ Redox Dark Surface (F6) |
| ☐ Iron Monosulfide (A18) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Depressions (F8) |
| ☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G) | |

Indicators for Problematic Hydric Soils³:

- ☐
- 2 cm Muck (A10)
- (LRR A, E)**
-
- ☐
- Iron-Manganese Masses (F12)
- (LRR D)**
-
- ☐
- Red Parent Material (F21)
-
- ☐
- Very Shallow Dark Surface (F22)
-
- ☐
- Other (Explain in Remarks)

³Indicators 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:

HYDROLOGY**Wetland Hydrology Indicators:**

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

- | | |
|--|--|
| ☐ Surface Water (A1) | ☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) |
| ☐ High Water Table (A2) | ☐ Salt Crust (B11) |
| ☐ Saturation (A3) | ☐ Aquatic Invertebrates (B13) |
| ☐ Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Sediment Deposits (B2) | ☐ Oxidized Rhizospheres along Living Roots (C3) |
| ☐ Drift Deposits (B3) | ☐ Presence of Reduced Iron (C4) |
| ☐ Algal Mat or Crust (B4) | ☐ Recent Iron Reduction in Tilled Soils (C6) |
| ☐ Iron Deposits (B5) | ☐ Stunted or Stressed Plants (D1) (LRR A) |
| ☐ Surface Soil Cracks (B6) | ☐ Other (Explain in Remarks) |
| ☐ Inundation Visible on Aerial Imagery (B7) | |
| ☐ Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators (minimum of two 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 <u> X </u>	Depth (inches): _____
Water Table Present?	Yes _____ No <u> X </u>	Depth (inches): _____
Saturation Present?	Yes _____ No <u> X </u>	Depth (inches): _____

(includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-03; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Meadowlark - May 2026</u>	City/County: <u>Sherwood</u>	Sampling Date: <u>05/15/2026</u>
Applicant/Owner: <u>Meadowlark Energy LLC</u>	State: <u>OR</u>	Sampling Point: <u>SP-TV-03</u>
Investigator(s): <u>T. Vingiello</u>	Section, Township, Range: <u>Sec 29A, T2S, R1W</u>	
Landform (hillslope, terrace, etc): <u>Hillslope shoulder</u>	Local relief (concave, convex, none): <u>convex</u>	Slope (%): <u>1</u>
Subregion (LRR): <u>LRR A, MLRA 2</u>	Lat: <u>45.37269183</u>	Long: <u>-122.83380767</u>
Soil Map Unit Name: <u>Hillsboro loam, 12 to 20 percent slopes (21D)</u>	NWI classification: <u>None</u>	Datum: <u>WSG-84</u>

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

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

Are Vegetation No, Soil No, or Hydrology No 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 <u> </u> No <u>X</u> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks: Likely mowed earlier this year. Gravel access rd 10' west	

VEGETATION - Use scientific names of plants.

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Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>38</u>	x 3 = <u>114</u>	FACU species <u>57</u>	x 4 = <u>228</u>	UPL species <u>20</u>	x 5 = <u>100</u>	Column Totals: <u>115</u> (A)	<u>442</u> (B)
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Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-13	10YR 3/3	100					Loam	Roots in top 2"
13-16	10YR 4/3	100					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.)**

- | | |
|--|--|
| ☐ Histosol (A1) | ☐ Sandy Gleyed Matrix (S4) |
| ☐ Histic Epipedon (A2) | ☐ Sandy Redox (S5) |
| ☐ Black Histic (A3) | ☐ Stripped Matrix (S6) |
| ☐ Hydrogen Sulfide (A4) | ☐ Loamy Mucky Mineral (F1) (except MLRA 1) |
| ☐ 1 cm Muck (A9) (LRR D, G) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Depleted Matrix (F3) |
| ☐ Thick Dark Surface (A12) | ☐ Redox Dark Surface (F6) |
| ☐ Iron Monosulfide (A18) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Depressions (F8) |
| ☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G) | |

Indicators for Problematic Hydric Soils³:

- ☐
- 2 cm Muck (A10)
- (LRR A, E)**
-
- ☐
- Iron-Manganese Masses (F12)
- (LRR D)**
-
- ☐
- Red Parent Material (F21)
-
- ☐
- Very Shallow Dark Surface (F22)
-
- ☐
- Other (Explain in Remarks)

³Indicators 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:

HYDROLOGY**Wetland Hydrology Indicators:**

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

- | | |
|--|--|
| ☐ Surface Water (A1) | ☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) |
| ☐ High Water Table (A2) | ☐ Salt Crust (B11) |
| ☐ Saturation (A3) | ☐ Aquatic Invertebrates (B13) |
| ☐ Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Sediment Deposits (B2) | ☐ Oxidized Rhizospheres along Living Roots (C3) |
| ☐ Drift Deposits (B3) | ☐ Presence of Reduced Iron (C4) |
| ☐ Algal Mat or Crust (B4) | ☐ Recent Iron Reduction in Tilled Soils (C6) |
| ☐ Iron Deposits (B5) | ☐ Stunted or Stressed Plants (D1) (LRR A) |
| ☐ Surface Soil Cracks (B6) | ☐ Other (Explain in Remarks) |
| ☐ Inundation Visible on Aerial Imagery (B7) | |
| ☐ Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators (minimum of two 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 <u> X </u>	Depth (inches): _____
Water Table Present?	Yes _____ No <u> X </u>	Depth (inches): _____
Saturation Present?	Yes _____ No <u> X </u>	Depth (inches): _____

 (includes capillary fringe)
Wetland Hydrology Present? Yes _____ No X

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

Remarks:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Western Mountains, Valleys, and Coast Region See ERDC/EL TR-10-03; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: <u>Meadowlark - May 2026</u>	City/County: <u>Washington Co.</u>	Sampling Date: <u>05/15/2026</u>
Applicant/Owner: <u>Meadowlark Energy LLC</u>	State: <u>OR</u>	Sampling Point: <u>SP-TV-04</u>
Investigator(s): <u>T. Vingiello</u>	Section, Township, Range: <u>Sec 29A, T2S, R1W</u>	
Landform (hillslope, terrace, etc): <u>Terrace</u>	Local relief (concave, convex, none): <u>none</u>	Slope (%): <u>1</u>
Subregion (LRR): <u>LRR A, MLRA 2</u>	Lat: <u>45.372352</u>	Long: <u>-122.83443133</u>
Soil Map Unit Name: <u>Hillsboro loam, 3 to 7 percent slopes (21B)</u>	Datum: <u>WSG-84</u>	
NW1 classification: <u>None</u>		

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

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

Are Vegetation No, Soil Yes, or Hydrology No 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 <u> </u> No <u>X</u> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks: Heavily compacted soil and regularly mowed to approximately 6 inches. Plot is adjacent to substation access road with frequent heavy equipment in area.	

VEGETATION - Use scientific names of plants.

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Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>8</u>	x 2 = <u>16</u>	FAC species <u>23</u>	x 3 = <u>69</u>	FACU species <u>13</u>	x 4 = <u>52</u>	UPL species <u>70</u>	x 5 = <u>350</u>	Column Totals: <u>114</u> (A)	<u>487</u> (B)
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Remarks:

Mowed occasionally

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR 4/2	100					Silt Loam	
8-16	10YR 3/3	99	7.5YR 3/4	1	C	M	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.)**

- | | |
|--|--|
| ☐ Histosol (A1) | ☐ Sandy Gleyed Matrix (S4) |
| ☐ Histic Epipedon (A2) | ☐ Sandy Redox (S5) |
| ☐ Black Histic (A3) | ☐ Stripped Matrix (S6) |
| ☐ Hydrogen Sulfide (A4) | ☐ Loamy Mucky Mineral (F1) (except MLRA 1) |
| ☐ 1 cm Muck (A9) (LRR D, G) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Depleted Matrix (F3) |
| ☐ Thick Dark Surface (A12) | ☐ Redox Dark Surface (F6) |
| ☐ Iron Monosulfide (A18) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Depressions (F8) |
| ☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G) | |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10) **(LRR A, E)**
- ☐ Iron-Manganese Masses (F12) **(LRR D)**
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (F22)
- ☐ Other (Explain in Remarks)

³Indicators 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:

HYDROLOGY**Wetland Hydrology Indicators:**

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

- | | |
|--|--|
| ☐ Surface Water (A1) | ☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) |
| ☐ High Water Table (A2) | ☐ Salt Crust (B11) |
| ☐ Saturation (A3) | ☐ Aquatic Invertebrates (B13) |
| ☐ Water Marks (B1) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Sediment Deposits (B2) | ☐ Oxidized Rhizospheres along Living Roots (C3) |
| ☐ Drift Deposits (B3) | ☐ Presence of Reduced Iron (C4) |
| ☐ Algal Mat or Crust (B4) | ☐ Recent Iron Reduction in Tilled Soils (C6) |
| ☐ Iron Deposits (B5) | ☐ Stunted or Stressed Plants (D1) (LRR A) |
| ☐ Surface Soil Cracks (B6) | ☐ Other (Explain in Remarks) |
| ☐ Inundation Visible on Aerial Imagery (B7) | |
| ☐ Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators (minimum of two 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? Yes _____ No X Depth (inches): _____

(includes capillary fringe)

Wetland Hydrology Present? Yes _____ No X

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

Remarks: