

Application for a Permit to
Store Water in a Reservoir
Alternate Review Process (ORS 537.409)

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
503-986-0900
www.oregon.gov/OWRD



Use a separate form for each reservoir

You may use this form for a reservoir storing less than 9.2 acre-feet or with a dam less than 10 feet high.

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant (may be an individual(s) or organization)

Name(s) (as it should appear on any permit that may be issued) Mud Slough 5 LLC	Primary Contact (required if applicant is an organization) Ray Fiori		
Mailing Address 2190 Dawnwood Dr.	City Philomath	State OR	Zip 97370
Email Address * rayf@oregon-wetlands.com	Phone 541 760-1777		

Applicant (may be an individual(s) or organization)

Name(s) (as it should appear on any permit that may be issued)	Primary Contact (required if applicant is an organization)		
Mailing Address	City	State	Zip
Email Address *	Phone		

Agent – The agent is authorized to represent the applicant in all matters relating to this application.

Agent/Business Name Allen Martin			
Mailing Address PO Box 71852	City Springfield	State OR	Zip 97475
Email Address * georesources@comcast.net	Phone 541 946-1013		

* **Unless requested otherwise**, the Department will send documents and notifications associated with the processing of this application in electronic form (i.e., by email). Please note, the Department will send the applicant the Proposed Final Order by certified mail and any permit that may be issued by standard mail.

By my signature below, I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot legally store water until the Water Resources Department issues a permit.
- The Department encourages all applicants to wait for a permit to be issued before beginning construction. Acceptance of this application does not guarantee a permit will be issued.
- If I begin construction prior to the issuance of a permit, I assume all risks associated with my actions.
- If I receive a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water right holders to receive water to which they are entitled.

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I (we) affirm that the information contained in this application is true and accurate.

Ray Fiori

Digitally signed by Ray Fiori
DN: cn=Ray Fiori, o=Mud Slough 5 LLC, ou,
email=rayf@oregon-wetlands.com, c=US
Date: 2026.08.29 10:37:30 -0700

Applicant Signature

Ray Fiori, Managing Partner

Print Name and Title (if Organization)

8/10/2026

Date

Applicant Signature

Print Name and Title (if Organization)

Date

SECTION 2: PROPERTY OWNERSHIP AND SIGNATORY AUTHORITY

A. Property Ownership

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed and used.

- ☒ YES, there are no encumbrances.
- ☐ YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
- ☐ NO, I have a recorded easement or written authorization permitting access.
- ☐ NO, I do not currently have written authorization or easement permitting access.
- ☐ NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submerged and/or submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
- ☐ NO, because water is to be diverted, conveyed and used only on federal lands.
- ☐ NO, written authorization or an easement is not necessary, because the application is made by or on behalf of a public corporation. ORS 537.211(7). Public corporation is defined in ORS 536.007(7).

B. Affected Landowners

List the names, mailing addresses, and, if available, email addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, or any lands not owned by the applicant within the proposed place of use, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary.)*

C. Legal Description

You must provide legal descriptions for all of the following: *(Attach copies)*

1. The property from which the water is to be diverted,
2. Any property crossed by the proposed ditch, canal or other work, and
3. Any property on which the water is to be used as depicted on the map.

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D. Evidence of Signatory Authority

If the applicant is a public agency, corporation or business, trust, or other organization, you must provide the title or authority of the person signing the application on behalf of the entity in **Section 1**, and you must attach evidence of signatory authority or a signed statement that such authority exists. *(Attach copies)*

SECTION 3: SOURCE OF WATER

A. Reservoir Name: Vernal Pool #2

B. Proposed Source of Water

Provide the name of the water body from which water will be diverted ("unnamed", if appropriate) and the name of the stream or lake it flows into. Indicate if the source is runoff, seepage, or a spring.

	SOURCE NAME	TRIBUTARY TO
Source 1:	diffuse runoff	Baskett Slough
Source 2:		
Source 3:		

C. The amount of water to be stored is 8.8 acre-feet.
This can be estimated as length (ft) x width (ft) x depth (ft) ÷ 43,560.

D. The area submerged by the reservoir, when filled, will be 12.5 acres.

E. The maximum height of the structure will be 1 feet above streambed or ground surface at the centerline of the crest of the dam. (If excavated only, indicate "zero feet".)

SECTION 4: WATER USE

Indicate the proposed use(s) of the stored water: Wetland Enhancement

NOTE: You may wish to consider filing for "Multipurpose use" for your reservoir. Multipurpose use does not limit the types of future uses for the stored water. Multipurpose covers all uses, which may include stock water, fish and wildlife, domestic, irrigation, agriculture, fire protection and pollution abatement.

SECTION 5: ENVIRONMENTAL IMPACT

- Is this an existing reservoir?
☐ Yes ☒ No
- Is the reservoir an enlargement of an existing dam/reservoir?
☐ Yes ☒ No
- Is the reservoir in a wetland (as determined by DSL)?
☒ Yes ☐ No ☐ Don't know
- Is the reservoir in-channel of a stream or off-channel:
☐ In-channel ☒ Off-Channel
- If the reservoir is proposed to be in-channel, is the stream:
☐ Perennial ☐ Intermittent ☐ Ephemeral ☒ N/A

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SECTION 5: ENVIRONMENTAL IMPACT, continued

- If the reservoir is proposed to be in-channel, has ODFW determined that native migratory fish are present?
☐ Yes ☐ No ☐ Don't know ☒ N/A
- Is the reservoir in the 100-year floodplain?
☒ Yes ☐ No ☐ Don't know
- If the reservoir is not in the channel of a stream, state how it is to be filled:
Reservoir will be filled by naturally occurring, diffuse surface water from rainfall.

If you have been working with other agencies, indicate agency, staff and phone numbers of those involved. Also indicate any agencies that are cost sharing in this project.

Oregon Department of State Lands, Kaitlin Lovell, Director 503 986-5224

United States Army Corps of Engineers, Michael Neal, Mitigation Subject Matter Expert, 503 789-8858

SECTION 6: WITHIN A DISTRICT

- ☐ Check here if the point of diversion or place of use are located within or are served by an irrigation or other water district.

Irrigation District Name		Mailing Address	
City	State	Zip	

SECTION 7: DESCRIPTION

Provide a short description of the design and operation of the proposed diversion, including a description of how live flow will be passed outside the authorized storage season. Use this space for narrative. You may also provide narrative and sketches on separate pages.

The proposed reservoir is a wetland vernal pool defined as shallow vegetated wetland that will be inundated for at least 8 weeks from January through April, but typically dry completely by early to mid-summer. The reservoir will be constructed using a combination of a shallow excavation bordered on the downill side with a low berm. Total height of the earthen berm will be less than one (1) foot high and depth of the excavation will be less than one (1) foot deep. Depth of water within the pool will be approximately 0.7 feet.

The vernal pool will capture rainfall that falls naturally typically between October and April. Rainfall, groundwater infiltration and evaporation will control water storage and determine water depth and duration. Once the soils are saturated, pools are full, and berms are at full capacity, additional hydrology will flow off-site as it currently does.

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SECTION 7: DESCRIPTION, continued

If the diversion involves a dam, use this space below (or attached pages) for sketches of the diversion (e.g. cross-section of the dam with its dimensions, dimension and placement of outlet pipe, means of passing live flow outside of the authorized storage season, and means for providing fish passage).

See attached pages showing berm and berm cross-sections. Once the vernal pool is full, flow will move around and over the berm during the rain season. Fish will not be present.

SECTION 8: REMARKS

Use this space to clarify any information you have provided in the application. (*attach additional sheets if necessary*)

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Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

NAME Ray Fiori			PHONE 541 760-1777		
MAILING ADDRESS 2190 Dawnwood Drive					
CITY Philomath		STATE OR	ZIP 97370	EMAIL rayf@oregon-wetlands.com	

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:	Proposed Land Use:
7S	4W	20	nw/se	502	EFU	☐ Diverted ☐ Conveyed ☒ Used	Wetland Enhancement
						☐ Diverted ☐ Conveyed ☐ Used	
						☐ Diverted ☐ Conveyed ☐ Used	
						☐ Diverted ☐ Conveyed ☐ Used	
						☐ Diverted ☐ Conveyed ☐ Used	
						☐ Diverted ☐ Conveyed ☐ Used	

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

Polk

NOTE: A separate Land Use Information Form must be completed and submitted for each county and city, as applicable.

B. Description of Proposed Use

Type of application to be filed with the Oregon Water Resources Department:

- ☒ Permit to Use or Store Water ☐ Water Right Transfer ☐ Permit Amendment or Ground Water Registration Modification
☐ Limited Water Use License ☐ Exchange of Water ☐ Allocation of Conserved Water

Source of water: ☒ Reservoir/Pond ☐ Ground Water ☐ Surface Water (name) _____

Estimated quantity of water needed: 8.8 ☐ cubic feet per second ☐ gallons per minute ☒ acre-feet

Intended use of water: ☐ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
 ☐ Municipal ☐ Quasi-Municipal ☐ Instream ☒ Other Wetland Enhancement

Briefly describe:

Request for water right is for vernal pools associated with wetland enhancement of a proposed wetland mitigation bank.

See Page 4 →

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For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- ☐ Land uses to be served by the proposed water use(s), including proposed construction, are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): _____
- ☒ Land uses to be served by the proposed water use(s), including proposed construction, involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being Pursued."**

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
Administrative Land Use Determination for Nonstructural Floodplain Development	Polk County Zoning Ordinance Section 178.060	☐ Obtained ☐ Denied	☒ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

Local governments are invited to express special land use concerns or make recommendations to the Oregon Water Resources Department regarding this proposed use of water in the box below or on a separate sheet.

The use is outright permitted pursuant to Polk County Zoning Ordinance (PCZO) 136.030 - (creation, Restoration and Enhancement of Wetlands). However, the construction requires an application for nonstructural floodplain development. An application for nonstructural floodplain development associated with this project was submitted on 7/22/26.

Name: Hannah Brickner Title: Senior Planner
 Signature: Hannah R. Brickner Date: 7/24/26
 Governmental Entity: Polk County Phone: 503-623-9237

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Allen Martin

From: Brickner, Hannah <brickner.hannah@polkcountyor.gov>
Sent: Monday, August 10, 2026 4:17 PM
To: Allen Martin
Subject: Re: Approval request for revision to intended use for OWRD app for Mud Slough 5 Mitigation Bank

Good afternoon,

The change to the application forms would not change our original sign-off. "Wetland enhancement" would fall under what our zoning ordinance calls "Creation, Restoration and Enhancement of Wetlands", which is a permitted use in the EFU zone, pursuant to PCZO 136.030(D).

Sincerely,

Hannah

On Mon, 10 Aug 2026 at 16:07, Allen Martin <georesources@comcast.net> wrote:

Hi Hannah,

We received an incomplete application notice from OWRD and one reason was that the intended use on our Polk County Land Use Information was not consistent with the intended water use on our OWRD application. Based on discussions with Corie Lovrien, OWRD Water Rights Customer Service and you, we changed the intended water use on the Land Use Information Form to "wetland enhancement". This wording will agree with Section 4: Water Use on the OWRD application. I attached our three revised water right applications for your review. The applications are for the three vernal pools on the subject property so they are for the same property. The reason for three separate applications is we need to apply for a separate water right for each of the three vernal pools.

Corie said we could use an email from you to signify that the changes are acceptable to Polk County. Would you take a look at the changes we made and send an email with your approval to me? You can find the changes on page 14 (Section 4,: Water Use), and page 22 (Section A table under Proposed Land Use and Section B, Intended Use of Water and I re-worded the narrative box in Section B.

Thank you,

Allen Martin

Geo Resources LLC

541 946-1013

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LAND USE PERMIT APPLICATION
POLK COUNTY COMMUNITY DEVELOPMENT DEPARTMENT, PLANNING DIVISION

COMPLETED BY STAFF	
Received By: _____ Date Submitted: _____ Application No.: _____ Fee: _____ Fee Paid: _____ Receipt No.: _____	☐ Conditional Use ☐ Farm Dwelling ☐ Forest Dwelling ☐ Land Use Determ. ☐ Comp. Plan Amendment ☐ Replacement Dwelling ☐ Variance ☐ Zone Change Staff Notes:

Please type or clearly print all of the requested information below.

I. PROPERTY OWNER(S)

Name Mark Knaupp
Mailing Address 1875 North Greenwood Rd.
City Rickreall State OR Zip 97371
Daytime Phone 503 559-0223
Email (optional) wetlandbank@msn.com

II. APPLICANT (IF DIFFERENT THAN OWNER)

Name Ray Fiori
Mailing Address 2190 Dawnwood Dr.
City Philomath State OR Zip 97370
Daytime Phone 541760-1777
Email (optional) ray@oregon-wetlands.com

III. PROPERTY

Location or Address see legal description Tax Acct. No. 582831/582832 Acreage 158.24
Township 07S; Range 04W; Section(s) 20/21; Tax Lot(s) 502/902
Comp. Plan Designation Agriculture Zone EFU
School District: Dallas SD2/Central 13J Fire District: Southwest RFPD
Water Service Type: Rickreall Sewage Disposal Type: Valley Solid Waste Management

IV. REQUEST SUMMARY (Example: "To establish a small tract template dwelling in the TC Zoning District.")

To construct an 87.54-acre wetland mitigation bank on an agricultural parcel.

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V. ATTACHED WRITTEN STATEMENT. With all land use applications, the "burden of proof" is on the applicant. It is important that you provide information that clearly describes the nature of the request and indicates how the proposal complies with all of the applicable criteria within the Polk County Subdivision and Partition Ordinance (PCSO) and/or the Polk County Zoning Ordinance (PCZO). You must address each of the Ordinance criteria on a point-by-point basis in order for this application to be deemed complete. A planner will explain which sections of the Ordinance pertain to your specific request.

The information described below is required at the time you submit your application. The processing of your application does not begin until the application is determined to be complete.

An incomplete application will postpone the decision, or may result in denial of the request. *Please mark the items below to ensure your submittal is complete.*

Application Check List

- A. ☒ A written statement of intent, attached to this application, with necessary supporting evidence which fully and factually describes the following:
1. ☒ A complete explanation of how the request complies with the applicable provisions and criteria in the Zoning Ordinance. A planner will explain which sections of the Ordinance pertain to your specific request. You must address each of the Ordinance criteria on a point-by-point basis in order for this application to be deemed complete.
 2. ☒ A description of the property in question, including, but not limited to the following: size, vegetation, crops grown, access, existing buildings, topography, etc.
 3. ☒ A complete description of the request, including any new structures proposed.
 4. ☐ If applicable, documentation from sewer and water district showing availability for connection.
- B. ☒ A plot plan (map) of the property. Please indicate the following on your plot plan:
1. ☒ Location of all existing and proposed buildings and structures
 2. ☒ Existing County Road, public right-of-way or other means of legal access
 3. ☒ Location of any existing septic systems and designated repair areas
 4. ☒ Limits of 100-year floodplain elevation (if applicable)
 5. ☒ Vegetation on the property
 6. ☒ Location of any outstanding physical features
 7. ☒ Location and description (paved, gravel, etc.) of vehicular access to the dwelling location
- C. ☒ A copy of the current deed, including the legal description, of the subject property. Copies may be obtained at the Polk County Clerk's Office.

I certify that this application and its related documents are accurate to the best of my knowledge. I am aware that there is a twelve (12) day appeal period following the date of the Planning Director's decision on this land use action. I understand that the signature on this application authorizes representatives of the Polk County Community Development Department to enter upon the subject property to gather information pertinent to this request. If the application is signed by an agent, the owner's written authorization must be attached.

Signed original on file with county

Ray Fiori

Signatures of owners that appear on deed and/or authorized agent
*If signed by an agent, owner's written authorization must be attached.
*Electronic signatures are not accepted.

PLEASE NOTE: THIS APPLICATION MUST BE RETURNED IN PERSON.

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LAND USE PERMIT APPLICATION NARRATIVE

The intent of this project is to construct an 87.54-acre wetland mitigation bank on agriculture land. The Site lies within an Exclusive Farm Use (EFU) Zoning District. According to Ordinance 136.020 wetland creation/Restoration and Enhancement are authorized uses and Ordinance 136.030 states that Creation, Restoration and Enhancement of Wetlands is permitted.

The site also lies partially within the 100-year floodplain (Figure 2 attached). Polk County Ordinance 178.060 (A)(2) requires a landuse permit for Non-Structural development within the floodplain. Polk County Ordinance 178.060 (B)(4) states the non-structural development must meet certain provisions. The provisions include development (a) will be consistent with the need to minimize flood, (b) development will have adequate drainage to reduce flood damage and (c) the cumulative effect of development will not increase the water surface elevation of the base flood more than one (1) foot.

The proposed project is a wetland mitigation bank that will meet provisions (a) and (b) through the following actions. The project design will re-introduce micro-topographic complexity which will increase water storage capacity and retain runoff during peak rainfall events. Re-establishment of a wet prairie native plant community will slow runoff velocity and decrease peak river levels. Elimination of the annual soil disturbance from farming activities will re-establish a healthy soil structure that will promote water infiltration to recharge local aquifers and reduce flood potential. The design objective will be to slow runoff, reduce erosion and improve groundwater recharge.

The total disturbance planned to construct the mitigation bank will not add any new material to the landscape that would change the water surface elevation. Therefore, the project will meet provision (c) because net excavation and fill activities will not cause any increase in the base flood elevation. The site will be re-contoured to introduce what was once the natural undulating landform.

The proposed 87.54-acre project lies within two Polk County taxlots; 7420 00502 and 7421 00902 with 70.58 acres within Taxlot 502 and 16.96 acres within Taxlot 902. Currently, the site is cultivated for vetch seed. Previous crops were rye grass and corn.

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Access to the site is a dirt road on the east side of Highway 99W located approximately one mile north of Rickreall. Coordinates for the turn are 44.94726°, -123.228443°. The dirt road heads east approximately 1.3 miles, crossing Baskett Slough, and a north/south railroad track.

The site is an open agriculture field without any buildings or structures. Mud Slough forms the eastern boundary and Baskett Slough is located approximately 600 feet south of the southern boundary. Topographically the site is flat, gently sloping to the east with highest elevation of 181' on the west side and 172' near Mud Slough on the east side.

The request is to construct a wetland mitigation bank that will provide for compensatory wetland mitigation credits within Polk, Marion, Yamhill and Clackamas Counties. The bank will be an 87-acre native wet prairie ecosystem with a mix of vernal pool complexes and wet prairie habitat bordered by native shrub buffers and riparian forested areas adjacent to Mud Slough.

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Watermaster Alternate Reservoir Application Review Sheet

In lieu of the water right application process set forth in ORS 537.140 to 537.211, an owner of a reservoir may submit an alternate reservoir application for a reservoir that has a storage capacity less than 9.2 acre-feet or a dam or impoundment structure less than 10 feet in height. ORS 537.409 describes the criteria used to evaluate alternate reservoir applications.

The review shall be limited to issues pertaining to: a) water availability, b) potential detrimental impact to existing fishery resources; and c) potential injury to existing water rights. (ORS 537.409 (6))

Within 60 days after the Water Resources Department provides public notice, any person may submit detailed, legally obtained information in writing, requesting the Department to deny the application for a permit on the basis that the reservoir: (a) Would result in injury to an existing water right; or (b) Would pose a significant detrimental impact to existing fishery resources. (ORS 537.409 (5))

Applicant's Name: <u>7S 4W Sec 20 Pool #2</u>	
1. Does the proposed reservoir have the potential to injure existing water rights?	☐ YES ☒ NO
2. Can conditions be applied to mitigate the potential injury to existing water rights?	☐ YES ☐ NO ☒ N/A
3. Is water available for the proposed reservoir?	☒ YES ☐ NO
4. If yes, during what period? Beginning:	<u>November 1</u> End: <u>June 30</u>
Attach a WARS printout at 50% exceedance. If WARS does not cover the proposed location, make a recommendation for a storage season based upon regulation history and your knowledge of the location. (Water Availability for Reservoir Policy found under OAR 690-410-0070(2)(c))	

Watermaster Name: Joel Plahn

Watermaster Signature:  **Joel Plahn** Digitally signed by Joel Plahn
DN: OU=District 22 Watermaster,
O=Oregon Water Resources, CN=Joel
Plahn,
E=joel.m.plahn@water.oregon.gov
Reason: I am the author of this document
Location: District 22 Watermaster
Date: 2026.06.29 13:02:26-0700
Foxit PDF Editor Version: 11.2.12 Date: _____

NOTE: This completed form must be returned to the applicant

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ODFW Alternate Reservoir Application Review Sheet

This portion to be completed by the applicant.

Applicant Name: Mud Slough 5 LLCAddress: 2190 Dawnwood Dr. Philomath OR. 97370Phone/Email: 541-760-1777 / rayf@oregon-wetland.comReservoir Name: Vernal Pool #2Source: Run OffBasin Name: Mid WillametteTwp Rng Sec QQ: 7S 4W 20 NWSEVolume (AF): 8.8☐ in-channel☒ off-channel

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Note: It is unlikely that ODFW will be able to complete this form while you wait, nevertheless we recommend making an appointment to submit the form so as to provide any necessary clarifications. See pg. 6 of Instructions for contact information.

This portion to be completed by Oregon Department of Fish and Wildlife (ODFW) staff.

- 1) Is the proposed project and AO¹ off channel?.....☒ YES* ☐ NO
(if yes then proceed to #4; if no then proceed to #2)

**Based on available information, the proposed use does not appear to involve instream structures that would create or maintain an artificial obstruction. However, if the applicant creates or maintains an artificial obstruction to fish passage for the proposed use, the applicant will need to address Oregon's fish passage laws.*

- 2) Is the proposed project or AO located where NMF² are or were historically present?.....☐ YES ☐ NO
(if yes then proceed to #3; if no then proceed to #4)

3) If NMF are or were historically present:

- a. Is there an ODFW-approved fish-passage plan?.....☐ YES ☐ NO
b. Is there an ODFW-approved fish-passage waiver or exemption?.....☐ YES ☐ NO

If fish passage is required under ORS 509.580 through .910, then either 3(a) or 3(b) must be "Yes" to move forward with the application. If responses to 3(a) and 3(b) are "No", then the proposed reservoir does not meet the requirements of Oregon Fish Passage Law and shall not be constructed as proposed.

- 4) Would the proposed project pose any other significant detrimental impact to an existing fishery resource locally or downstream?.....☒ YES ☐ NO
Explain below (for example, list STE species or other existing fishery resources that would be impacted negatively.)

☒ Any diversion or appropriation of water for storage during the period July through October poses a significant detrimental impact to existing fishery resources. (For example, if diversion of water for storage during a

¹ AO = Artificial Obstruction means any dam, diversion, culvert or other human-made device placed in waters of this state that precludes or prevents the migration of native migratory fish. ORS 509.580 (1)

² NMF = Native Migratory Fish Species in Oregon as defined by OAR 635 - 412 - 0005 (32)

certain time period would cause a significant detrimental impact to an existing fishery resource, then ODFW should recommend conditions or limitations.) If NMF fish are present at the project site or point

of water diversion then the applicant should be advised that a fish screen consistent with screening criteria will be required.

- ☐ This proposed pond or reservoir contemplates impounding water in the Columbia Basin above Bonneville Dam. ODFW has determined that additional diversions of water in this area pose a significant detrimental impact to existing fishery resources during the period April 15 through September 30.

Based on parameters assessed, ODFW has determined that although the project will reduce season flows to the lower part of Mud Slough, the proposed reduction in flow will not pose a significant detrimental impact to existing fishery resources during the fill period of January-June & November - December. The proposed restoration activity is solely intended to restore or enhance natural processes, will provide a net ecological benefit and long-term habitat benefits, and ODFW has identified the applicant as an individual, agency or restoration entity having experience or skills in durable habitat restoration. Therefore, ODFW concurs with the Watermaster's assessment that water is available for the use January-June & November-December. Additional conditions apply (see pages 3-4 of this review). If OWRD's determination regarding water availability changes, ODFW will need to re-assess the proposed use.

Impairment to Fishery Resource	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Water Quantity												
Water Quality												

If YES, can conditions be applied to mitigate the significant detrimental impact to an existing fishery resource?

☐ NO (explain) ☒ YES (select from Menu of Conditions on next page)

☒ See applicable conditions selected from "Menu of Conditions" on next page

describe Mitigation Obligation here, if applicable

Janna
Guzman

Digitally signed
by Janna
Guzman

Date: 2026.07.21

14:53:13 -07'00'

ODFW Signature: _____

Print Name: Janna Guzman

ODFW Title: Water Planning Coordinator

Date: 7/21/2026

NOTE: This completed form must be returned to the applicant.

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MENU OF CONDITIONS FOR WRD, ODFW, DEQ AND ODA

Revised May 12, 2020, March 25, 2021

Use this menu to identify appropriate conditions to be included in the permit:

- ☒ **Agricultural Water Quality Management Area Rules:** The permittee shall comply with basin-specific Agricultural Water Quality Management Area Rules described in Oregon Administrative Rule Chapter 603-095. The permittee shall protect riparian areas, including through irrigation practices and the management of any livestock, allowing site capable vegetation to establish and grow along streams, while providing the following functions: shade (on perennial and some intermittent streams), bank stability, and infiltration or filtration of overland runoff.
- ☐ **b52** Water may be diverted only when Department of Environmental Quality sediment standards are being met.
- ☐ **b5** The water user shall install and maintain adequate treatment facilities meeting current DEQ requirements to remove sediment before returning the water to the stream.
- ☒ **b51a** The period of use has been limited to January - June & November - December.
- ☐ **b57** Before water use may begin under this permit, a totalizing flow meter must be installed at each diversion point.
- ☐ **b58** Before water use may begin under this permit, a staff gage that measures the entire range and stage between full reservoir level and dead-pool storage must be installed in the reservoir. The staff gage shall be United States Geological Survey style porcelain enamel iron staff gage style A, C, E or I.
- ☐ **blv:** Water must be diverted to a trough or tank through an enclosed water delivery system. The delivery system must be equipped with an automatic shutoff or limiting flow control mechanism or include a means for returning water to the stream source through an enclosed delivery system. The use of water shall not exceed 0.10 cubic feet per second per 1000 head of livestock.
- ☐ **Bypass Flows:** Per 690-410-0070 (2)(c), the following flows shall be bypassed or passed through the reservoir during the filling season:
- 1) When the biologically necessary flows identified below are not available immediately upstream of the impacted area, the permittee shall pass all live flow downstream at a rate equal to the inflow, minus the amount of mitigation water provided upstream, if applicable, and
 - 2) When the biologically necessary flows identified below are available immediately upstream of the impacted area, the permittee shall pass flow downstream at a rate equal to or greater than the biologically necessary flows.
- Once the reservoir has reached the permitted volume, all live flow shall be passed downstream at a rate equal to the inflow.
- The permittee shall quantify and document inflow and outflow and maintain the bypass flows for the life of the permit and subsequent certificate per the approved Bypass Plan. The bypass flow data shall be available upon request by the Oregon Water Resources Department, Oregon Department of Fish and Wildlife, Oregon Department of Environmental Quality, or Oregon Department of Agriculture.
- ☐ **fence:** The stream and its adjacent riparian area shall be fenced to exclude livestock.
- ☐ **fishapprove:** The permittee shall install, maintain, and operate fish screening and by-pass devices consistent with current Oregon Department of Fish and Wildlife (ODFW) standards. Fish screening is to prevent fish from entering the proposed diversion while by-pass devices provide adequate upstream and downstream passage for fish. The required screen and by-pass devices are to be in place and functional, and approved in writing by ODFW prior to diversion of any water. The permittee may submit evidence in writing that ODFW has determined screens and/or by-pass devices are not necessary.
- ☐ **fishmay:** Notwithstanding that ODFW has made a determination that fish screens and/or by-pass devices are not necessary at the time of permit issuance, the permittee may be required in the future to install, maintain, and operate fish screening and by-pass devices to prevent fish from entering the proposed diversion and to provide adequate upstream and downstream passage for fish.
- ☐ **fishpass:** As required by ORS 509.585, a person owning or operating an artificial obstruction (AO) may not construct or maintain any AO across any waters of this state that are inhabited, or historically inhabited, by native migratory fish (NMF) without providing passage for NMF. A person owning or operating an AO shall, prior to construction, fundamental change in permit status or abandonment of the AO in any waters of this state, obtain a determination from ODFW as to whether NMF are or historically have been present in the waters. If ODFW determines that NMF are or historically have been present in the waters, the person owning or operating the AO shall either submit a proposal for fish passage to ODFW or apply for a waiver or exemption. Approval of the proposed fish-passage facility, waiver, or exemption must be obtained from the department prior to construction, permit modification or abandonment of the AO. Approved fish-passage plans, waivers, and exemptions shall maintain adequate passage of NMF at all times (ORS 509.601) as per the approved plan, waiver or exemption.
- ☐ **fishself:** The permittee shall install, maintain, and operate fish screening and by-pass devices consistent with current Oregon Department of Fish and Wildlife (ODFW) standards. Fish screening is to prevent fish from entering the proposed diversion while by-pass devices provide adequate upstream and downstream passage for fish. The required screen and by-pass devices are to be in place and functional prior to diversion of any water. Permittee

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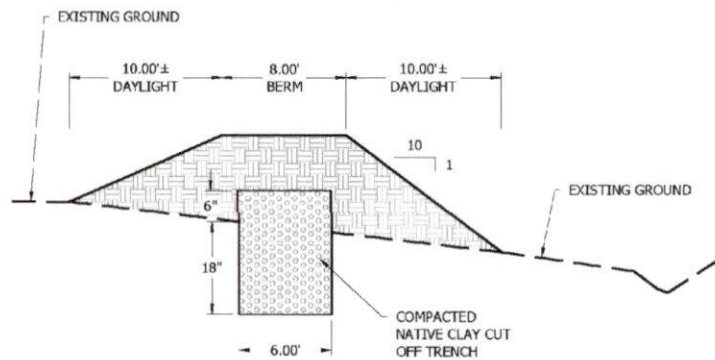
AUG 17 2026

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shall obtain written approval from ODFW that the installation of the required screen and by-pass devices meets the state's criteria or the permittee shall submit documentation that ODFW has determined screens and/or by-pass devices are not necessary.

- ☒ **Fish Stocking:** Per ORS 498.222 and OAR 635-007-0600, all persons transporting live fish in Oregon shall have a Fish Transport Permit (FTP) issued by the Oregon Department of Fish and Wildlife (ODFW). The permittee shall not stock fish in the reservoir without an FTP approved by ODFW. As part of the FTP permitting process, the permittee may be required to screen the inlet and outlet of the reservoir to ensure that fish cannot escape into public waters and/or to keep wild fish from entering the reservoir.
- ☐ **futile call:** The use of water allowed herein may be made only at times when waters from the (NAME OF SURFACE WATER) would not otherwise flow into a tributary of the type here River or sufficient water is available to satisfy all prior rights, including rights for maintaining instream flows.
- ☒ **In-Water Work:** Any in-water work related to construction, development, or maintenance of the proposed use shall be conducted during the preferred work period of July-October unless an alternate time period is approved by the Oregon Department of Fish and Wildlife.
- ☒ **Live Flow:** Once the allocated volume has been stored, permittee shall pass all live flow downstream at a rate equal to inflow, using methods that protect instream water quality.
- ☒ **Off-Channel Stored Water Releases:** The permittee shall not release polluted water from this off-channel reservoir into waters of the state except when the release is directed by the State Engineer to prevent dam failure.
- ☐ **On-Channel Reservoir:** The permittee shall design and operate the water storage facility such that all waters within and below the reservoir meet water quality criteria. The permittee shall develop a reservoir operations plan that details how water quality criteria and standards will be met. A Certified Water Rights Examiner shall verify that the reservoir operations are consistent with the plan before a certificate is issued. The reservoir operator shall maintain a copy of the plan and make it available for review upon request.
- ☒ **riparian:** If the riparian area is disturbed in the process of developing a point of diversion, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR 635-415, shall be followed.
- ☒ **Water Quality:** All water use under this permit shall comply with state and federal water quality laws. The permittee shall not violate any state and federal water quality standards, shall not cause pollution of any waters of the state, and shall not place or cause to be placed any wastes in a location where such wastes are likely to escape or be carried into the waters of the state by any means. The use may be restricted if the quality of source stream or downstream waters decrease to the point that those waters no longer meet existing state or federal water quality standards.
- ☐ **wq:** The use may be restricted if the quality of the source stream or downstream waters decrease to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.

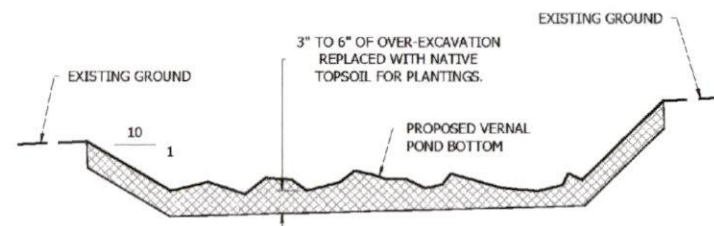
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1
C600

VERNAL POOL BERM

NTS



2
C601

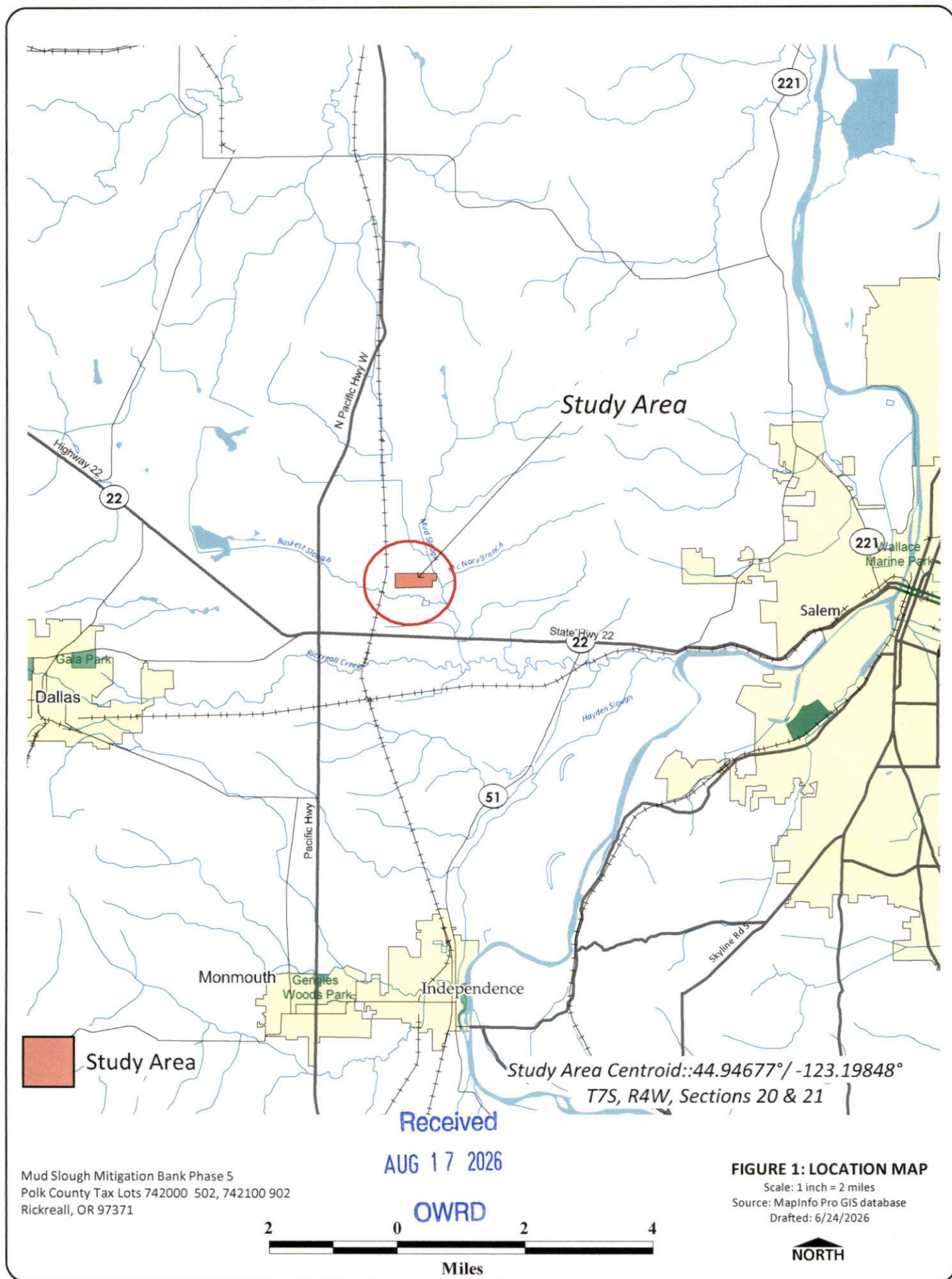
VERNAL POND BOTTOM

NTS

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Berm Cross Section

EXHIBIT C





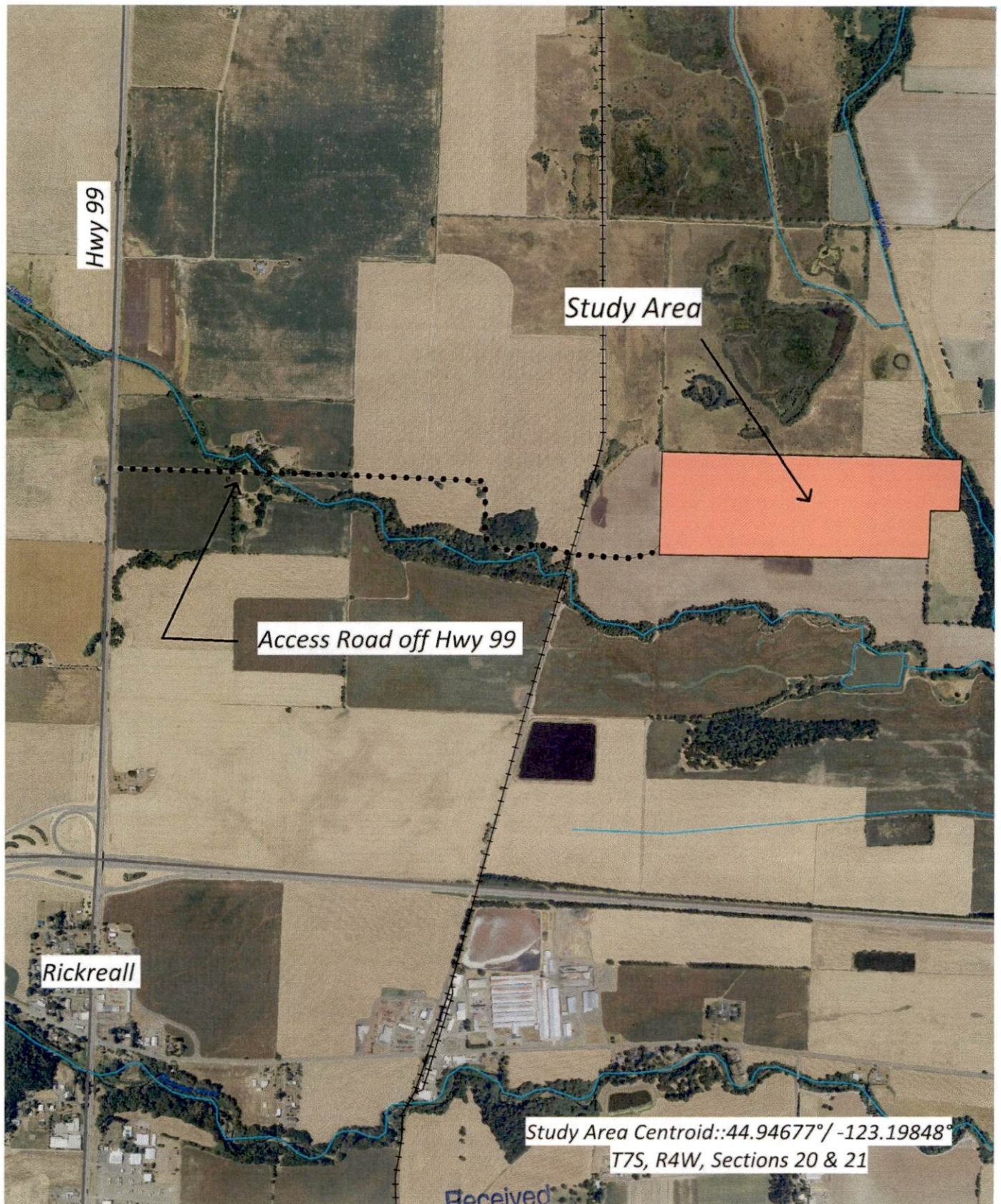
Mud Slough Mitigation Bank Phase 5
 Polk County Tax Lots 742000 502, 742100 902
 Rickreall, OR 97371



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 OWRD

FIGURE 2: 2025 AERIAL
 Scale: 1" = 800'
 Source: Google Earth aerial
 Flown: August 19, 2025
 Drafted: 7/22/2026

NORTH



Mud Slough Mitigation Bank Phase 5
Polk County Tax Lots 742000 502, 742100 902
Rickreall, OR 97371

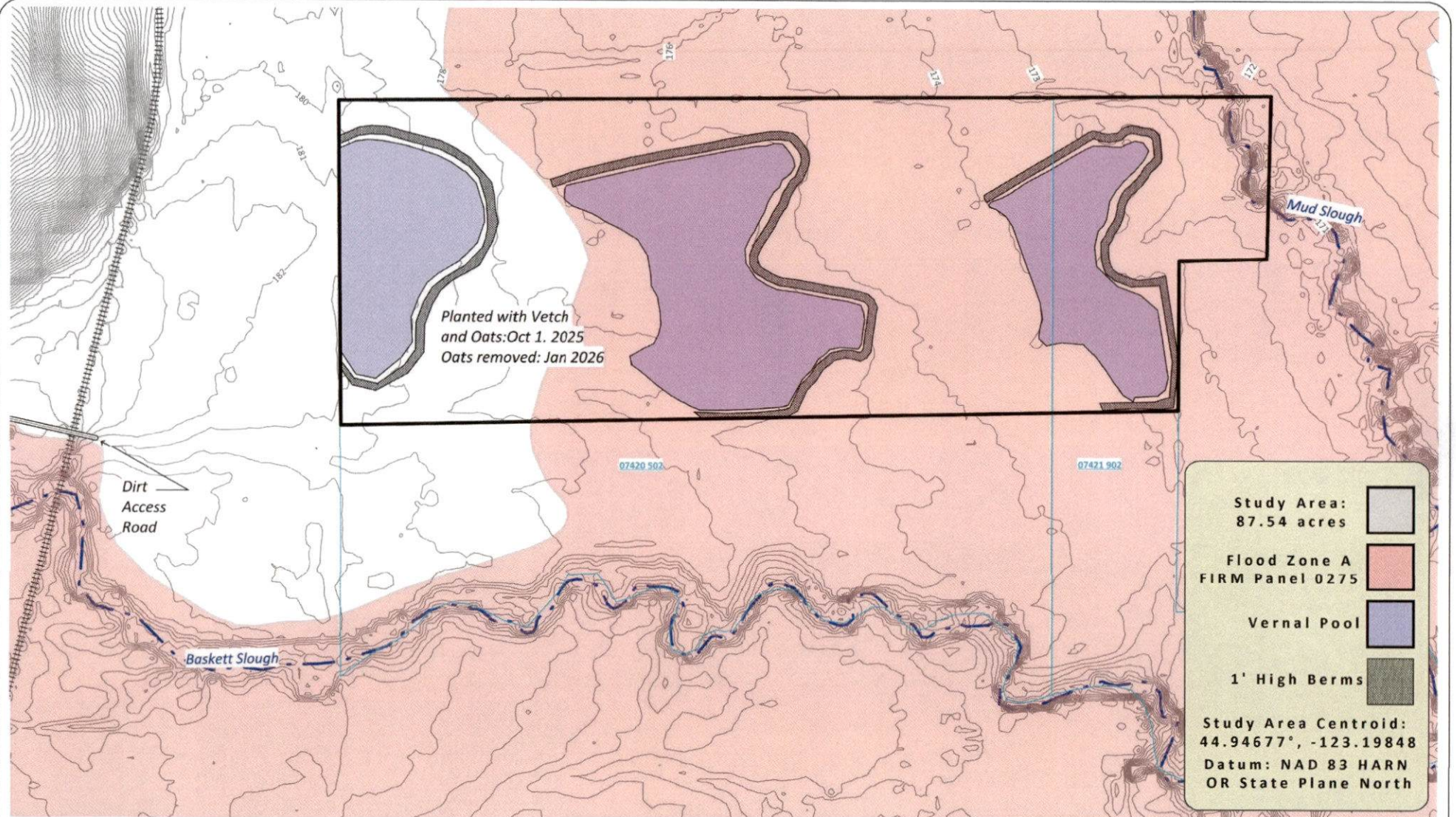
AUG 17 2026



FIGURE 1: LOCATION MAP

Scale: 1 inch = 0.3 miles
Source: MapInfo Pro GIS database
Drafted: 6/24/2026





Mud Slough Mitigation Bank Phase 5
Polk County Tax Lots 742000 502, 742100 902
Rickreall, OR 97371

Geo Resources, LLC

340 0 340 680
Feet

FIGURE 2: MITIGATION SITE PLAN

Scale: 1" = 340'
Source: DOGAMI bare earth
Drafted: 6/24/2026



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‘Study Area’ Legal Description

AN AREA OF LAND LOCATED IN THE SOUTHWEST AND SOUTHEAST QUARTERS OF SECTION 20, AND THE SOUTHWEST QUARTER OF SECTION 21 TOWNSHIP 7 SOUTH, RANGE 4 WEST OF THE WILLAMETTE MERIDIAN, OREGON AND BEING MORE SPECIFICALLY DESCRIBED AS FOLLOWS:

BEGINNING AT A 5/8" IRON ROD MARKING THE CENTER QUARTER CORNER OF SECTION 20, LYING ON THE EAST LINE OF THAT TRACT OF LAND CONVEYED TO MARK A. KNAUPP, PER DEED INSTRUMENT NO. 2007-002319, POLK COUNTY DEED RECORDS AND THE WEST LINE OF THE LAND CONVEYED TO RICKREALL DAIRY, LLC, PER DEED INSTRUMENT NO. 2004-002311, POLK COUNTY DEED RECORDS; THENCE NORTH 88°24'30" WEST 305.05 FEET; THENCE SOUTH 45°46'19" WEST 195.64 FEET; THENCE SOUTH 01°44'19" WEST 1867.43 FEET TO THE CENTER OF BASKETT SLOUGH; THENCE 3646.75 FEET, MORE OR LESS, ALONG THE CENTER OF BASKETT SLOUGH TO A POINT WHICH BEARS SOUTH 87°41'31" WEST 666.87 FEET FROM A 5/8" IRON ROD ON THE EAST BOUNDARY OF THE SAID DAIRY PROPERTY; THENCE NORTH 01°23'26" EAST 308.74 FEET; THENCE SOUTH 87°27'22" EAST 668.86 FEET TO A POINT ON THE EAST LINE OF SAID DAIRY PROPERTY WHICH BEARS NORTH 02°07'37" EAST 252.28 FEET OF THE ABOVE REFERENCED 5/8" IRON ROD ON SAID EAST LINE; THENCE NORTH 02°07'37" EAST 1031.16 FEET TO 5/8 IRON ROD; THENCE SOUTH 89°30'32" EAST 330.00 FEET TO A STONE WITH AN "X"; THENCE NORTH 03°22'45" EAST 593.88 TO THE WESTERLY SOUTHWEST CORNER OF THE ALLEN DONATION LAND CLAIM NO. 42; THENCE NORTH 88°26'47" WEST 841.82 FEET TO A 3 1/4" ALUMINUM CAP MARKING THE 1/4 CORNER BETWEEN SAID SECTIONS 20 AND 21; THENCE NORTH 88°24'30" WEST 2633.99 FEET TO THE POINT OF BEGINNING.

DESCRIBED AREA CONTAINS 156.85 ACRES

BEARING BASED ON GRID NORTH, OREGON STATE COORDINATE SYSTEM, NORTH ZONE, NAD83(2011)(EPOCH:2010)

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Kyle Latimer

Digitally signed by Kyle Latimer
DN: cn=lat@udelleng.com, cn=Kyle
Latimer, o=Udell Engineering & Land
Surveying, LLC, st=Oregon,
serial=146959, hash=SHA256, c=US
Date: 2024.12.13 10:58:56 -0800

OREGON
JUNE 12, 2013
KYLE W. LATIMER
80442

RENEWS: 12/31/24

Received

AUG 17 2026

OWRD

Udell Engineering & Land Surveying, LLC
63 East Ash Street, Lebanon, OR 97355
Ph: 541-451-5125 • Fax: 541-451-1366

EXHIBIT A

'Study Area' Legal Description

AN AREA OF LAND LOCATED IN THE SOUTHWEST AND SOUTHEAST QUARTERS OF SECTION 20, AND THE SOUTHWEST QUARTER OF SECTION 21 TOWNSHIP 7 SOUTH, RANGE 4 WEST OF THE WILLAMETTE MERIDIAN, OREGON AND BEING MORE SPECIFICALLY DESCRIBED AS FOLLOWS:

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DESCRIBED AREA CONTAINS 156.85 ACRES

BEARING BASED ON GRID NORTH, OREGON STATE COORDINATE SYSTEM, NORTH ZONE, NAD83(2011)(EPOCH:2010)

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Kyle Latimer

Digitally signed by Kyle Latimer
DN: E=kyle@udelleng.com, CN=Kyle
Latimer, O=Udell Engineering & Land
Surveying, LLC, L=Lebanon, St=Oregon,
SERIALNUMBER=MA52024022739233,
C=US
Date: 2024.12.13 10:59:56-0800

OREGON
JUNE 12, 2013
KYLE W. LATIMER
80442

RENEWS: 12/31/24

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Udell Engineering & Land Surveying, LLC
63 East Ash Street, Lebanon, OR 97355
Ph: 541-451-5125 • Fax: 541-451-1366

EXHIBIT A



Articles of Organization - Limited Liability Company

Secretary of State - Corporation Division - 255 Capitol St. NE, Suite 151 - Salem, OR 97310-1327 - SOS Oregon and Business - Phone: (503) 826-2700

FILED: FEB 18, 2025

OREGON SECRETARY OF STATE



236793196-27380176

REGISTRY NUMBER: 236793196

In accordance with Oregon Revised Statute 192.410-192.490, the information on this application is public. We must release this information to all parties upon request and it will be posted on our website.

MUD SLOUGH 5, LLC

NEWORG

Please Type or Print Legibly in Black Ink. Attach Additional Sheet if Necessary.

1. **NAME OF LIMITED LIABILITY COMPANY:** (Must contain the words "Limited Liability Company" or the abbreviations "LLC" or "L.L.C.")

Mud Slough 5, LLC

2. **DURATION:** (Please check one.)

☒ Duration shall be perpetual.

☐ Latest date upon which the Limited Liability Company

is to dissolve is _____

3. **PRINCIPAL OFFICE:** (Must be a physical street address)

2190 Dawnwood Dr., Philomath, OR 97370

4. **REGISTERED AGENT:** (Individual or entity that will accept legal service for this business)

Raymond T. Fiori, Jr.

5. **REGISTERED AGENT'S PUBLICLY AVAILABLE ADDRESS:**

(Must be an Oregon Street Address, which is identical to the registered agent's office.)

2190 Dawnwood Drive

Philomath, OR 97370

6. **ADDRESS WHERE THE DIVISION MAY MAIL NOTICES:**

2190 Dawnwood Drive

Philomath, OR 97370

7. **HOW WILL THIS LIMITED LIABILITY COMPANY BE MANAGED?**

☒ This LLC will be member-managed by one or more members.

☐ This LLC will be manager-managed by one or more managers.

8. **IF RENDERING A LICENSED PROFESSIONAL SERVICE OR SERVICES, DESCRIBE THE SERVICE(S) BEING RENDERED:**

ORS 58.015(5)(m)

9. **OPTIONAL PROVISIONS:** (Attach a separate sheet if necessary.)

BENEFIT COMPANY: The Limited Liability Company is a benefit company subject to ORS 60.750 - 60.770.

(additional requirements apply)

INDEMNIFICATION: The company elects to indemnify its members, managers, employees, agents for liability and related expenses under ORS 63.160 - 63.170.

SEE ATTACHED

10. **NAME AND ADDRESS OF EACH PERSON WHO IS FORMING THIS BUSINESS: (ORGANIZER)**

Mark A. Knaupp

1875 N. Greenwood Road

Rickreall, OR 97371

LIST MEMBERS AND/OR MANAGERS NAMES AND ADDRESSES (MAY BE REQUIRED BY YOUR BANK)

11. **OWNERS: (MEMBERS)** (Names and Addresses)

Mark A. Knaupp, (address in #10)

Raymond T. Fiori, Jr. (address in #5)

12. **MANAGERS: (MANAGERS)** (Names and Addresses)

13. **INDIVIDUAL WITH DIRECT KNOWLEDGE** (Name and Address) List the name and address of at least one individual who is a member or manager of the LLC or an authorized representative with direct knowledge of the operations and business activities of the LLC.

Mark A. Knaupp

1875 N. Greenwood Rd.

Rickreall, OR 97371

14. **EXECUTION/SIGNATURE OF EACH PERSON WHO IS FORMING THIS BUSINESS: (Organizer)**

I declare as an authorized signer, under penalty of perjury, that this document does not fraudulently conceal, fraudulently obscure, fraudulently alter or otherwise misrepresent the identity of the person or any members, managers, employees or agents of the limited liability company. This filing has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete. Making false statements in this document is against the law and may be penalized by fines, imprisonment or both.

SIGNATURE:

Mark Knaupp

PRINTED NAME:

Mark A. Knaupp

TITLE:

organizer

CONTACT NAME: (To resolve questions with this filing)

Clark B. Williams or Karen Neill

PHONE NUMBER: (Include area code)

(503) 585-4422

Articles of Organization - Limited Liability Company 11/17

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FEES

Required Processing Fee \$100

Processing Fees are nonrefundable. Please make check payable to "Corporation Division".

Free copies are available at sos.oregon.gov/business using the Business Name Search program.

Business Registry Business Name Search

[New Search](#)

Business Entity Data

06-26-2026

12:24

Registry Nbr	Entity Type	Entity Status	Jurisdiction	Registry Date	Next Renewal Date	Renewal Due?
2367931-96	DLLC	ACT	OREGON	02-18-2025	02-18-2027	
Entity Name MUD SLOUGH 5, LLC						
Foreign Name						

[New Search](#)

Associated Names

Type	PPB	PRINCIPAL PLACE OF BUSINESS				
Addr 1	2190 DAWNWOOD DR.					
Addr 2						
CSZ	PHILOMATH	OR	97370		Country	UNITED STATES OF AMERICA

Please click [here](#) for general information about registered agents and service of process.

Type	AGT	REGISTERED AGENT			Start Date	02-18-2025	Resign Date	
Name	RAYMOND		T.	FIORI		JR.		
Addr 1	2190 DAWNWOOD DR.							
Addr 2								
CSZ	PHILOMATH	OR	97370			Country	UNITED STATES OF AMERICA	

Type	MAL	MAILING ADDRESS				
Addr 1	2190 DAWNWOOD DRIVE					
Addr 2						
CSZ	PHILOMATH	OR	97370		Country	UNITED STATES OF AMERICA

Type	MEM	MEMBER			Resign Date	
Name	MARK	A.	KNAUPP			
Addr 1	1875 N. GREENWOOD ROAD					
Addr 2						
CSZ	RICKREALL	OR	97371	Country	UNITED STATES OF AMERICA	

Type	MEM	MEMBER			Resign Date	
Name	RAYMOND	T.	FIORI	JR.		
Addr 1	2190 DAWNWOOD DRIVE					
Addr 2						
CSZ	PHILOMATH	OR	97370	Country	UNITED STATES OF AMERICA	

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Name History

EXHIBIT B

Business Entity Name	Name Type	Name Status	Start Date	End Date
MUD SLOUGH 5, LLC	EN	CUR	02-18-2025	

Please [read](#) before ordering [Copies](#).

[New Search](#)

Summary History

Image Available	Action	Transaction Date	Effective Date	Status	Name/Agent Change	Dissolved By
	AMENDED ANNUAL REPORT	02-24-2026		FI		
	ARTICLES OF ORGANIZATION	02-18-2025		FI	Agent	

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Minimum Requirements Checklist

Minimum Requirements (ORS 537.409 and OAR 690-305-0010)

Include this checklist with the application

Check that each of the following items are included. The application will be returned as incomplete if all required items are not included. Please submit the original application and signatures to the Oregon Water Resources Department. Applicants are encouraged to keep a copy of the completed application. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

- ☒ SECTION 1: Applicant Information and Signature
- ☒ SECTION 2: Property Ownership and Signatory Authority
- ☒ SECTION 3: Source of Water
- ☒ SECTION 4: Water Use
- ☒ SECTION 5: Environmental Impact
- ☒ SECTION 6: Within a District
- ☒ SECTION 7: Description
- ☒ SECTION 8: Remarks

A COMPLETE APPLICATION INCLUDES THE FOLLOWING ITEMS:

Additional information may be required.

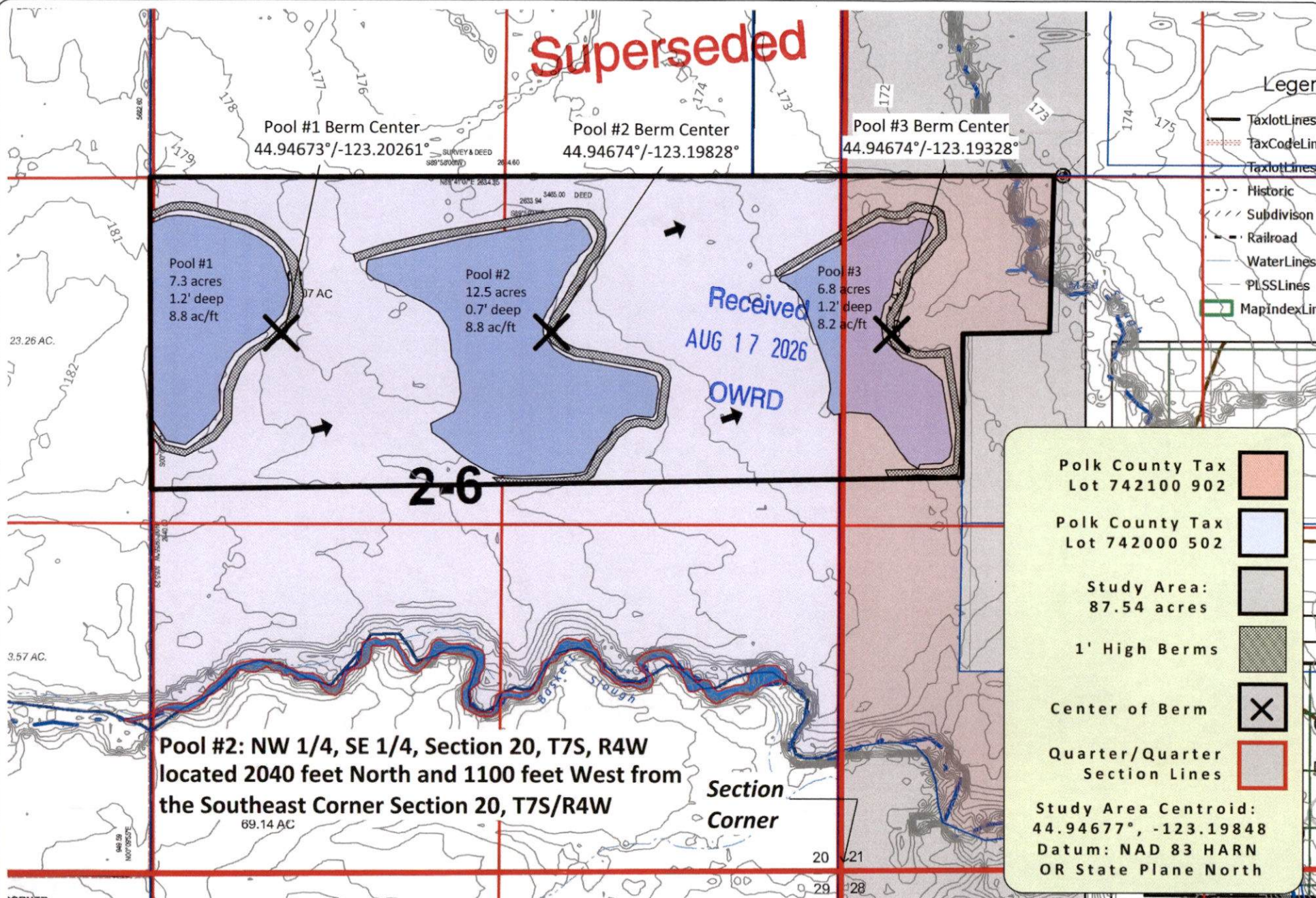
- ☒ Completed ***Application for a Permit to Store Water in a Reservoir (Alternate Review)*** (including Sections 1-8, as described above).
- ☒ Completed ***Land Use Information Form*** with original signature of local planning department. This form must be dated no more than one year prior to application submission.
- ☒ **Legal Description** of: (1) the property(ies) from which the water is to be diverted, (2) any property(ies) crossed by the proposed ditch, canal or other work, and (3) any property(ies) on which the water is to be used as depicted on the map.
- ☒ **Evidence of signatory authority** or a signed statement that such authority exists for applications submitted on behalf of an entity (e.g., organization).
- ☒ **Application Map** that includes all required elements as described in [OAR 690-305-0010](#).
- ☒ **Application Fees** – Please use the Fee Calculators at apps.wrd.state.or.us/apps/misc/wrd_fee_calculator/ or contact the Customer Service Group at wrddl_customerservice@water.oregon.gov or (503) 986-0900.

Total Examination Fee: \$ 2193.00

Recording Fee: \$ 915.00

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Superseded



Legen

- TaxlotLines
- TaxCodeLin
- TaxlotLines
- Historic
- Subdivision
- Railroad
- WaterLines
- PLSSLines
- MapIndexLin

Polk County Tax
Lot 742100 902

Polk County Tax
Lot 742000 502

Study Area:
87.54 acres

1' High Berms

Center of Berm

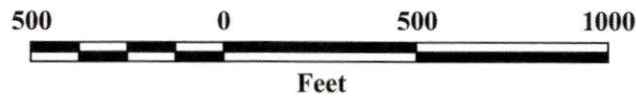
Quarter/Quarter
Section Lines

Study Area Centroid:
44.94677°, -123.19848
Datum: NAD 83 HARN
OR State Plane North

Pool #2: NW 1/4, SE 1/4, Section 20, T7S, R4W
located 2040 feet North and 1100 feet West from
the Southeast Corner Section 20, T7S/R4W

Section
Corner

Mud Slough Mitigation Bank Phase 5
Polk County Tax Lots 742000 502, 742100 902
Rickreall, OR 97371



VERNAL POOL #2 SITE PLAN
Scale: 1" = 500'
Source: DOGAMI bare earth
Drafted: 8/10/2026

Geo Resources, LLC

EXHIBIT E

