

August 19, 2022

William Haberman, Managing Member
Valiant Idaho II, LLC, The Idaho Club
151 Clubhouse Way
Sandpoint, ID 83864
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**Re: Trestle Creek Project (RP57NR01E166160A; RPO31740000010A, RPO31740000020A, RPO31740000030A), T 57N, R 12E, portion of Section 16, Bonner County, ID:
Wetland Delineation Report - UPDATE for Classification of Wetland Areas**

Dear Mr. Haberman:

Per your request for environmental services, I am submitting this update to the July 26, 2022 Wetland Determination Report for the property referenced above. Based on a request from William Schrader (US Army Corps of Engineers) to identify and classify the wetland areas (including areal extents) determined in that report, I am submitting this update. There is no change to the delineation report — this update serves to clarify and document the National Wetland Inventory (NWI) wetland classifications.

This update and the NWI classifications are based on conversations with Mr. Schrader, in consultation with Mr. Rusty Griffin (Wetland Classification Steward, Ecological Services, National Wetland Inventory), as well as review of documentation from the US Fish and Wildlife Service (citation below Table 1). I also utilized InterMountain Resources: "Riparian Vegetation Restoration / Planting Plan" (February 25, 2008). In that document, photographs were taken in late fall 2007 which assisted in determining duration of hydrology in various areas (as my delineation occurred in spring 2022).

The NWI utilizes the Cowardin System (Cowardin et al 1979) to classify wetlands and deepwater habitats. I will not go into detail identifying the characteristics and definitions of the various systems and classes. Basically, the Lacustrine system requires depths of ≥ 2.5 m; and the Riverine system requires clear streambanks. These features were not observed in the slough-type areas and were therefore considered to be in the Palustrine system.

Using ArcMap I delineated the specific wetland areas within the Trestle Creek project area and constructed new polygons separating out the various different wetland classes. I used ArcMap to calculate the areal extent of each wetland separated by class. Figure 7 shows these areas, their locations, and areal extents. I determined the western extent of the (possibly) lake-influenced areas as near the ordinary high water mark, or in the case of the Main Branch of Trestle Creek, its mouth.

The information on Figure 7 is detailed and shown on Table 1, which summarizes the wetland areas, classification, areal extent, and rationale for the classification.

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PEND OREILLE LAKE AREA

Table 1. Wetland Areas, Classification, Areal Extent, and Rationale for NWI Classification
(see Figure 7)

Area	NWI Classification	Areal Extent	Rationale
East Oxbow / Slough	PUB3H (palustrine, unconsolidated bottom, mud, permanently flooded)	38,744 sf (0.89 ac)	lacks flow late season, not riverine or lacustrine due to not meeting requirements for 2.5 m depths; not riverine because it lacks streambanks
Boat Basin / Slough	PUB3H (palustrine, unconsolidated bottom, mud, permanently flooded)	20,416 sf (0.47 ac)	as above
North Branch Trestle Creek	R4SBC (riverine, intermittent, streambed, seasonally flooded)	6,006 sf (0.14 ac)	has streambanks, intermittent flow, streambed (cobbles/gravels)
small lobe north of North Branch	PEM1C (palustrine, emergent, persistent, seasonally flooded)	471 sf (0.01 ac)	small area outside North Branch, possibly high flow overflow area
small lobe south of North Branch	PUB3H (palustrine, unconsolidated bottom, mud, permanently flooded)	4,999 sf (0.11 ac)	possible high flow area draining into PFO1C through culvert, scant vegetation, mud bottom
Outlet of North Branch	R2UB1H (riverine, lower perennial, unconsolidated bottom, cobble-gravel, permanently flooded)	37,237 sf (0.85 ac)	riverine, perennial, lower in landscape, mostly clear streambanks; terminates at lake; flow still evident in fall 2007
Main Branch Trestle Creek	R2UB1H (riverine, lower perennial, unconsolidated bottom, cobble-gravel, permanently flooded)	57,221 sf 1.31 ac)	as above

These classifications were assisted by Rusty Griffin (Wetland Classification Steward, Ecological Services, National Wetland Inventory) (pers. comm. August 15, 2022) for clarification of whether or not to include bank vegetation as separate NWI designation and clarification of PUBH designations. Also documentation from Data Collection Requirements and Procedures for Mapping Wetland, Deepwater, and Related Habitats of the United States (version 3). U.S. Fish and Wildlife Services - Ecological Services Division of Budget and Technical Support Branch of Geospatial Mapping and Technical Support. Falls Church, VA 2204x, Revised July 2020.

Thank you for requesting my services. Let me know if you have any questions or need additional information.

Sincerely,

Tom Duebendorfer

Tom Duebendorfer, MA, PWS (Emeritus)

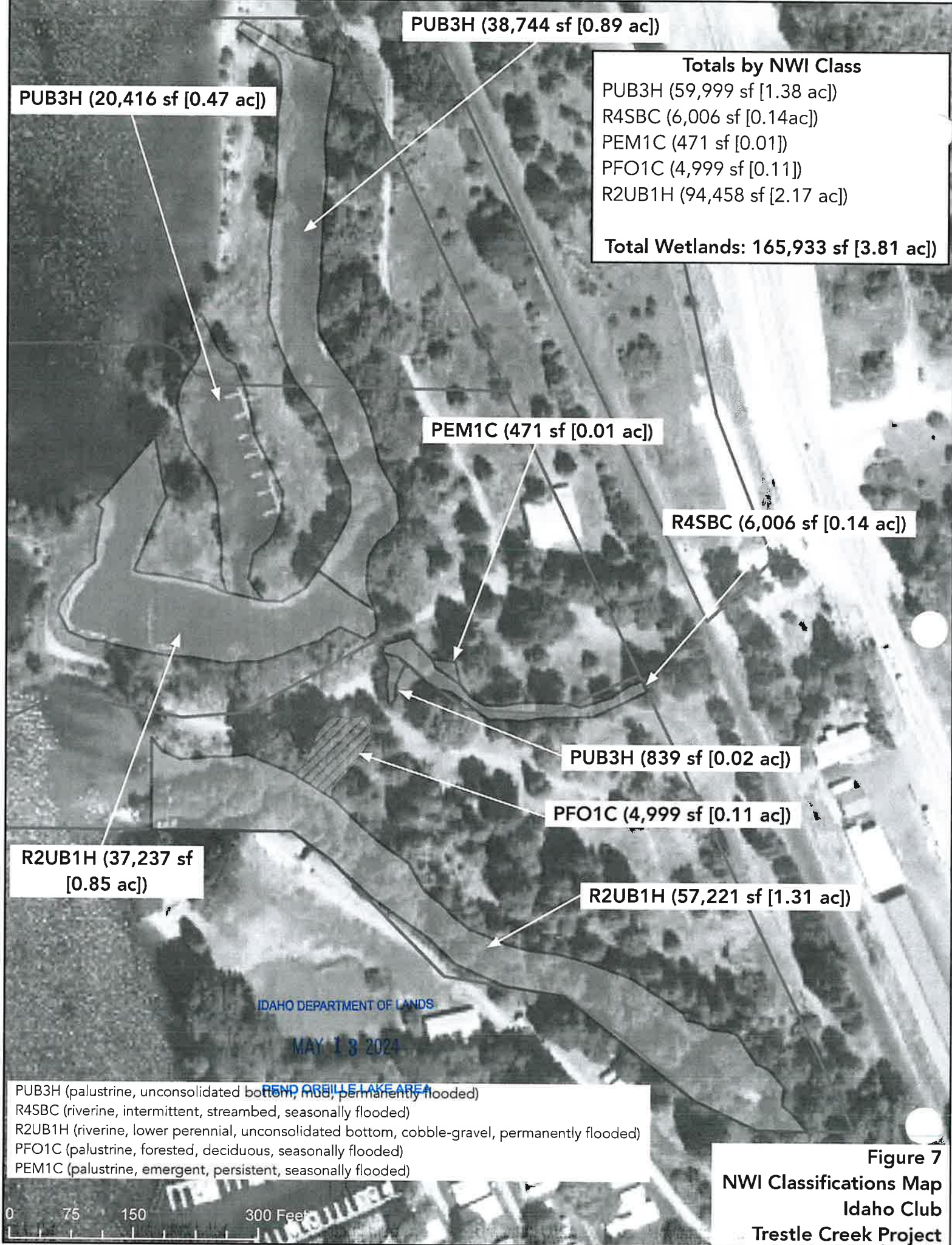


encls: Figure 7: NWI Wetland Classifications Map

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PEND OREILLE LAKE AREA



PUB3H (38,744 sf [0.89 ac])

PUB3H (20,416 sf [0.47 ac])

Totals by NWI Class
PUB3H (59,999 sf [1.38 ac])
R4SBC (6,006 sf [0.14ac])
PEM1C (471 sf [0.01])
PFO1C (4,999 sf [0.11])
R2UB1H (94,458 sf [2.17 ac])

Total Wetlands: 165,933 sf [3.81 ac])

PEM1C (471 sf [0.01 ac])

R4SBC (6,006 sf [0.14 ac])

PUB3H (839 sf [0.02 ac])

PFO1C (4,999 sf [0.11 ac])

R2UB1H (37,237 sf [0.85 ac])

R2UB1H (57,221 sf [1.31 ac])

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BEND OREILLE LAKE AREA

PUB3H (palustrine, unconsolidated bottom, mud, permanently flooded)
R4SBC (riverine, intermittent, streambed, seasonally flooded)
R2UB1H (riverine, lower perennial, unconsolidated bottom, cobble-gravel, permanently flooded)
PFO1C (palustrine, forested, deciduous, seasonally flooded)
PEM1C (palustrine, emergent, persistent, seasonally flooded)

Figure 7
NWI Classifications Map
Idaho Club
Trestle Creek Project

0 75 150 300 Feet

October 29, 2022

William Haberman, Managing Member
Valiant Idaho II, LLC, The Idaho Club
151 Clubhouse Way
Sandpoint, ID 83864
(407) 973-7875
william.haberman@me.com

**Re: Trestle Creek Project (RP57NR01E166160A; RPO31740000010A, RPO31740000020A, RPO31740000030A), T 57N, R 12E, portion of Section 16, Bonner County, ID:
Wetland Delineation Report - UPDATE for Additional Data Plots Requested by Corps**

Dear Mr. Haberman:

Per your request for environmental services, I am submitting this letter to summarize additional data gathered based on an email request from William Schrader (US Army Corps of Engineers) to complete 16 additional Wetland Data Plots. Mr. Schrader submitted to me (via email) locations these additional plots as .kmz files.

I inputted the .kmz files into ArcGIS, prepared a georeferenced field map, and completed the additional Data Plots at or very near those locations (Figure 1). Below is a summary of the three wetland parameters observed. The complete Data Plots Forms and Photographs at each Data Plot are also attached. A summary table of the Data Plots and the three wetland parameters is shown in Table 1.

Vegetation:

The vegetation ranges from non-hydrophytic (< 50% of dominant plant species as being listed as FAC or wetter) to hydrophytic (> 50% dominance by hydrophytes). The Prevalence Index in the 16 plots was not below 3.0 in any of the plots (thus only the Dominance test was met). Vegetation often consisted of cottonwood (FAC) over red fescue (FAC), with hydrophytes such as alder (FACW) and dogwood (FACW) in low cover amounts (which were often rooted at the base of the oxbow banks, and overhanging the plot). Considerable tansy, knapweed, goldenrod, and/or orchardgrass were often present in the groundlayer. Some plots were under one large tree (cedar, Douglas fir, or ornamental maple).

Soils:

Soils showed a shallow (2" - 4") layer of 10YR 3/2 or 3/3 silt loam. The next horizon was rounded cobbles in a loamy matrix (generally 10YR 3/3). Essentially all plots had the same profile of soil. No hydric indicators were observed.

Hydrology:

No evidence of hydrology was found in any of the plots. Most of the plots were located on higher benches or along a "peninsula" above oxbows or the lake. The elevation of the plots above the oxbow or lake areas was often 6'+. The plots adjacent the North Branch of Trestle Creek were about 3' above the "OHWM" of the creek.

Conclusion:

None of the 16 additional Data Plots were considered wetland. Although some showed >50% dominance of hydrophytes, these were, for the most part, FAC species (largely cottonwood and red fescue). Soils did not show any evidence hydric conditions, and were mostly low value and high chroma cobbly loams. No evidence of ponding or other hydrology indicators were observed.

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Table 1: Summary of Data Plots

Data Plot	Vegetation¹ (% hydrophytes)	Soils²	Hydrology³	Wetland ?
DP S 1	cottonwood, tansy, red fescue, snowberry, thimbleberry (40%)	4" 10YR 3/2 silo 12" 10YR 3/3 gr lo	absent	no
DP S 2	Douglas fir, orchardgrass, knapweed, snowberry (0%)	"	"	no
DP S 3	red fescue, cottonwood, snowberry, grandfir, larch (40%)	"	"	no
DP S 4	quackgrass, cottonwood, serviceberry (75%)	"	"	no
DP S 5	grandfir, red fescue, sweet pea (33%)	"	"	no
DP S 6	snowberry, goldenrod, hawthorn (33%)	"	"	no
DP S 7	snowberry, red fescue, trailing blackberry, tansy, alder (40%)	"	"	no
DP S 8	tansy, alder, cottonwood, grandfir (50%)	"	"	no
DP S 9	red fescue, ornamental maple, Douglas fir, grandfir (25%)	"	"	no
DP S 10	goldenrod, red fescue, snowberry, cedar, grandfir (40%)	"	"	no
DP S 11	red fescue, Douglas fir, ornamental maple, Oregon grape (40%)	"	"	no
DP S 12	red fescue, cedar, thimbleberry (67%)	"	"	no
DP S 13	tansy, cottonwood, rose, dogwood (50%)	"	"	no
DP S 14	cottonwood, bentgrass, snowberry, dogwood, serviceberry (67%)	"	"	no
DP S 15	tansy, snowberry, alder (33%)	"	"	no
DP S 16	tansy, red fescue, cottonwood, serviceberry (60%)	"	"	no

¹ dominants only (in order of decreasing cover); hydrophytes = FAC or wetter

² soils were all essentially the same (occasionally the upper layer was 2-3")

³ no hydrologic indicators as in evidence of ponding or redox in the soil

Thank you for requesting my services. Let me know if you have any questions or need additional information.

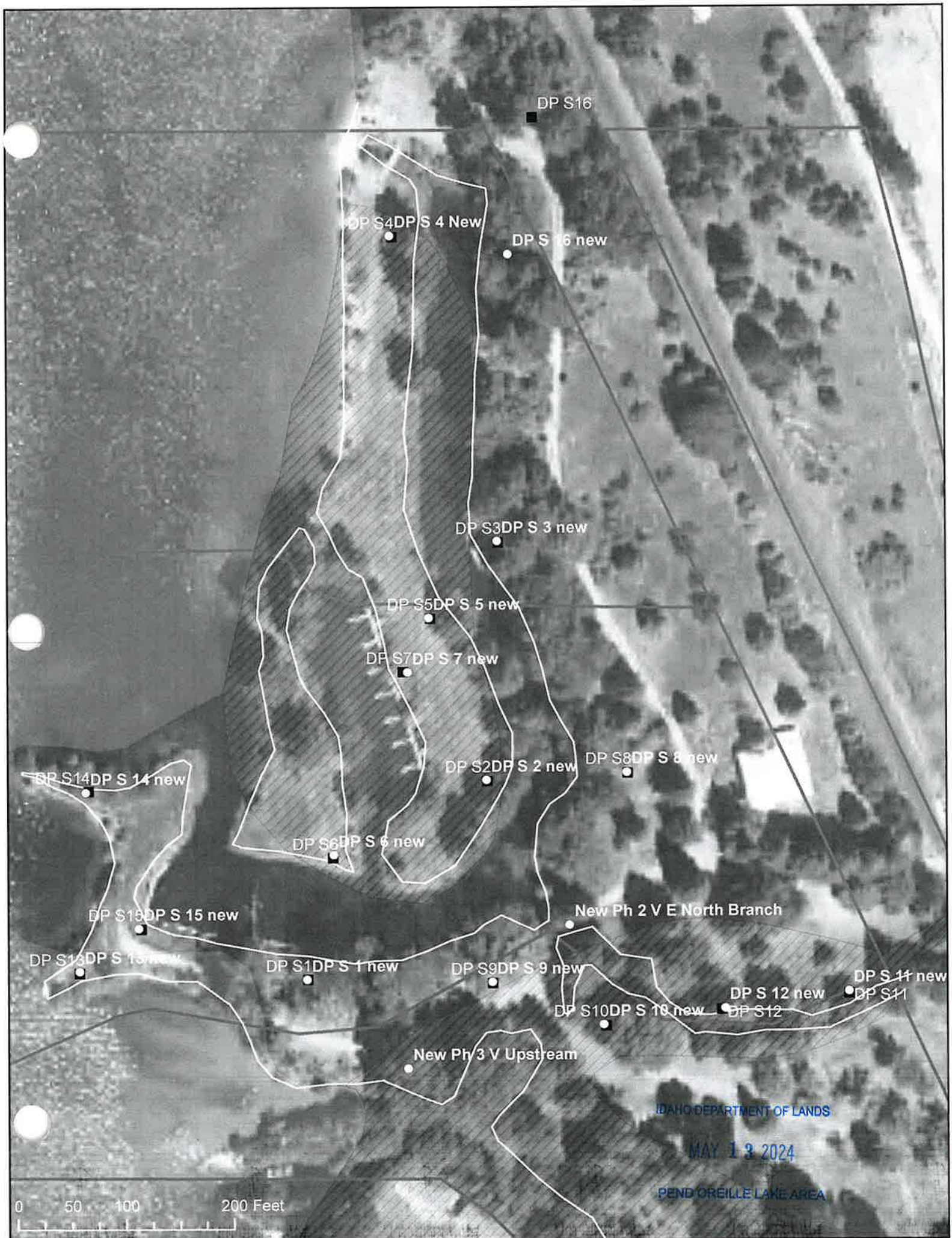
Sincerely,

Tom Duebendorfer

Tom Duebendorfer, MA, PWS (Emeritus)

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encls: Figure 1: Requested Additional Data Plots and Actual Data Plot Locations



DP S16

DP S4 DP S 4 New

DP S 16 new

DP S3 DP S 3 new

DP S5 DP S 5 new

DP S7 DP S 7 new

DP S2 DP S 2 new

DP S8 DP S 8 new

DP S14 DP S 14 new

DP S6 DP S 6 new

DP S15 DP S 15 new

DP S13 DP S 13 new

DP S1 DP S 1 new

DP S9 DP S 9 new

New Ph 2 V E North Branch

DP S10 DP S 10 new

DP S 12 new

DP S 11 new

DP S11

New Ph 3 V Upstream

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PEND OREILLE LAKE AREA

0 50 100 200 Feet

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

Project/Site: The Idaho Club NEW (RP03174000020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 1
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.282977 Long.: -116.353182 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: none

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. Located on bench above oxbow. Photo DP S 1.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel. Strat. Cover	Indicator Status	Dominance Test worksheet:	
1. <i>Populus balsamifera</i>	45	<input checked="" type="checkbox"/> 100.0%	FAC	Number of Dominant Species That are OBL, FACW, or FAC:	2 (A)
2. _____	0	<input type="checkbox"/> 0.0%		Total Number of Dominant Species Across All Strata:	5 (B)
3. _____	0	<input type="checkbox"/> 0.0%		Percent of dominant Species That are OBL, FACW, or FAC:	40.0% (A/B)
4. _____	0	<input type="checkbox"/> 0.0%			
			45 = Total Cover		
Sapling/Shrub Stratum (Plot size: 20')	Absolute % Cover	Dominant Species? Rel. Strat. Cover	Indicator Status	Prevalence Index worksheet:	
1. <i>Symphoricarpos albus</i>	10	<input checked="" type="checkbox"/> 35.7%	FACU	Total % Cover of:	Multiply by:
2. <i>Rubus parviflorus</i>	10	<input checked="" type="checkbox"/> 35.7%	FACU	OBL species	0 x 1 = 0
3. <i>Cornus alba</i>	5	<input type="checkbox"/> 17.9%	FACW	FACW species	5 x 2 = 10
4. <i>Populus balsamifera</i>	3	<input type="checkbox"/> 10.7%	FAC	FAC species	88 x 3 = 264
5. _____	0	<input type="checkbox"/> 0.0%		FACU species	65 x 4 = 260
			28 = Total Cover	UPL species	20 x 5 = 100
1. <i>Tanacetum vulgare</i>	40	<input checked="" type="checkbox"/> 38.1%	FACU	Column Totals:	178 (A) 634 (B)
2. <i>Festuca rubra</i>	30	<input checked="" type="checkbox"/> 28.6%	FAC	Prevalence Index = B/A =	3.562
3. <i>Poa pratensis</i>	10	<input type="checkbox"/> 9.5%	FAC		
4. <i>Centaurea maculosa</i>	10	<input type="checkbox"/> 9.5%	UPL		
5. <i>Bromus inermis</i>	10	<input type="checkbox"/> 9.5%	UPL		
6. <i>Dactylis glomerata</i>	5	<input type="checkbox"/> 4.8%	FACU		
7. _____	0	<input type="checkbox"/> 0.0%			
8. _____	0	<input type="checkbox"/> 0.0%			
9. _____	0	<input type="checkbox"/> 0.0%			
10. _____	0	<input type="checkbox"/> 0.0%			
11. _____	0	<input type="checkbox"/> 0.0%			
			105 = Total Cover		
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species? Rel. Strat. Cover	Indicator Status	Hydrophytic Vegetation Indicators:	
1. _____	0	<input type="checkbox"/> 0.0%		<input type="checkbox"/> 1 - Rapid Test for Hydrologic Vegetation	
2. _____	0	<input type="checkbox"/> 0.0%		<input type="checkbox"/> 2 - Dominance Test is > 50%	
				<input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹	
				<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
				<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹	
				<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
				Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
% Bare Ground in Herb Stratum: 0 Remarks: Vegetation is not hydrophytic - neither test met. IDAHO DEPARTMENT OF LANDS MAY 13 2024 PEND OREILLE LAKE AREA					

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 1

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			
0-4	10YR	3/2	100%				Silt Loam		
4-16	10YR	3/3	100%				cobbly 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.)			Indicators for Problematic Hydric Soils ³ :	
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)		
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)		
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1)	<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)			
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)			
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)			
<input type="checkbox"/> Sandy Muck Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)			
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox depressions (F8)			

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 ☒

Remarks:
no hydric indicators

Hydrology

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

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

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

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:
No hydrologic indicators - plot located about 8' higher than adjacent oxbow. No evidence of ponding.

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

Project/Site: The Idaho Club NEW (RP03174000020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 2
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.283480 Long.: -116.352489 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: PFO1C

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. Located on bench above oxbow. Photo DP S 2.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:	
1. <u>Pseudotsuga menziesii</u>	80	<input checked="" type="checkbox"/> 100.0%	FACU	Number of Dominant Species That are OBL, FACW, or FAC:	<u>0</u> (A)
2. _____	0	<input type="checkbox"/> 0.0%		Total Number of Dominant Species Across All Strata:	<u>4</u> (B)
3. _____	0	<input type="checkbox"/> 0.0%		Percent of dominant Species That Are OBL, FACW, or FAC:	<u>0.0%</u> (A/B)
4. _____	0	<input type="checkbox"/> 0.0%			
	80	= Total Cover			
Sapling/Shrub Stratum (Plot size: 20')					
1. <u>Symphoricarpos albus</u>	5	<input checked="" type="checkbox"/> 100.0%	FACU	Prevalence Index worksheet:	
2. _____		<input type="checkbox"/> 0.0%		Total % Cover of:	Multiply by:
3. _____		<input type="checkbox"/> 0.0%		OBL species <u>0</u>	x 1 = <u>0</u>
4. _____		<input type="checkbox"/> 0.0%		FACW species <u>0</u>	x 2 = <u>0</u>
5. _____	0	<input type="checkbox"/> 0.0%		FAC species <u>10</u>	x 3 = <u>30</u>
	5	= Total Cover		FACU species <u>115</u>	x 4 = <u>460</u>
Herb Stratum (Plot size: 0.1 ac)					
1. <u>Dactylis glomerata</u>	30	<input checked="" type="checkbox"/> 41.7%	FACU	UPL species <u>32</u>	x 5 = <u>160</u>
2. <u>Centaurea maculosa</u>	25	<input checked="" type="checkbox"/> 34.7%	UPL	Column Totals: <u>157</u> (A)	<u>650</u> (B)
3. <u>Festuca rubra</u>	10	<input type="checkbox"/> 13.9%	FAC	Prevalence Index = B/A = <u>4.140</u>	
4. <u>Saponaria officinalis</u>	5	<input type="checkbox"/> 6.9%	UPL		
5. <u>Tragopogon dubius</u>	2	<input type="checkbox"/> 2.8%	UPL		
6. _____		<input type="checkbox"/> 0.0%			
7. _____	0	<input type="checkbox"/> 0.0%			
8. _____	0	<input type="checkbox"/> 0.0%			
9. _____	0	<input type="checkbox"/> 0.0%			
10. _____	0	<input type="checkbox"/> 0.0%			
11. _____	0	<input type="checkbox"/> 0.0%			
	72	= Total Cover			
Woody Vine Stratum (Plot size: _____)					
1. _____	0	<input type="checkbox"/> 0.0%		Hydrophytic Vegetation Indicators:	
2. _____	0	<input type="checkbox"/> 0.0%		<input type="checkbox"/> 1 - Rapid Test for Hydrologic Vegetation	
	0	= Total Cover		<input type="checkbox"/> 2 - Dominance Test is > 50%	
				<input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹	
				<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
				<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹	
				<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
				Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
% Bare Ground in Herb Stratum: <u>0</u>					

Remarks:
Vegetation is not hydrophytic - neither test met

MAY 13 2024

PEND OREILLE LAKE AREA

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 2

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		
0-4	10YR	3/2	100%				Silt Loam	
4-16	10YR	3/3	100%				cobbly 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)
☐ Histic Epipedon (A2)
☐ Black Histic (A3)
☐ Hydrogen Sulfide (A4)
☐ Depleted Below Dark Surface (A11)
☐ Thick Dark Surface (A12)
☐ Sandy Muck Mineral (S1)
☐ Sandy Gleyed Matrix (S4)

☐ Sandy Redox (S5)
☐ Stripped Matrix (S6)
☐ Loamy Mucky Mineral (F1) (except in MLRA 1)
☐ Loamy Gleyed Matrix (F2)
☐ Depleted Matrix (F3)
☐ Redox Dark Surface (F6)
☐ Depleted Dark Surface (F7)
☐ Redox depressions (F8)

Indicators for Problematic Hydric Soils³:

☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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): _____

Remarks:

no hydric indicators

Hydric Soil Present? Yes ☐ No ☒

Hydrology

Wetland Hydrology Indicators:		Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry Season Water Table (C2)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Drift deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-neutral Test (D5)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)	
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost Heave Hummocks (D7)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)			

Field Observations:		Wetland Hydrology Present?	
Surface Water Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Depth (inches):	<input type="text"/>
Water Table Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Depth (inches):	<input type="text"/>
Saturation Present? (includes capillary fringe)	Yes <input type="radio"/> No <input checked="" type="radio"/>	Depth (inches):	<input type="text"/>

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

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

Project/Site: The Idaho Club NEW (RP03174000010A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 3
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.284089 Long.: -116.352438 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: none

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. Located on bench above oxbow. Photo DP S 3.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>40.0%</u> (A/B)
1. <u>Populus balsamifera</u>	<u>50</u>	<input checked="" type="checkbox"/> 100.0%	<u>FAC</u>	
2. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
3. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
4. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
Sapling/Shrub Stratum (Plot size: 20')		<u>50</u> = Total Cover		Prevalence Index worksheet: 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>145</u> x 3 = <u>435</u> FACU species <u>23</u> x 4 = <u>92</u> UPL species <u>2</u> x 5 = <u>10</u> Column Totals: <u>170</u> (A) <u>537</u> (B) Prevalence Index = B/A = <u>3.159</u>
1. <u>Symphoricarpos albus</u>	<u>5</u>	<input checked="" type="checkbox"/> 33.3%	<u>FACU</u>	
2. <u>Abies grandis</u>	<u>5</u>	<input checked="" type="checkbox"/> 33.3%	<u>FACU</u>	
3. <u>Larix occidentalis</u>	<u>3</u>	<input checked="" type="checkbox"/> 20.0%	<u>FACU</u>	
4. <u>Pseudotsuga menziesii</u>	<u>2</u>	<input type="checkbox"/> 13.3%	<u>FACU</u>	
5. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
Herb Stratum (Plot size: 0.1 ac)		<u>15</u> = Total Cover		Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrologic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Festuca rubra</u>	<u>90</u>	<input checked="" type="checkbox"/> 85.7%	<u>FAC</u>	
2. <u>Agrostis stolonifera</u>	<u>5</u>	<input type="checkbox"/> 4.8%	<u>FAC</u>	
3. <u>Dactylis glomerata</u>	<u>3</u>	<input type="checkbox"/> 2.9%	<u>FACU</u>	
4. <u>Plantago lanceolata</u>	<u>3</u>	<input type="checkbox"/> 2.9%	<u>FACU</u>	
5. <u>Tragopogon dubius</u>	<u>2</u>	<input type="checkbox"/> 1.9%	<u>UPL</u>	
6. <u>Festuca pratensis</u>	<u>2</u>	<input type="checkbox"/> 1.9%	<u>FACU</u>	
7. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
8. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
9. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
10. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
11. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
Woody Vine Stratum (Plot size: _____)		<u>105</u> = Total Cover		Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
1. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
2. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
% Bare Ground in Herb Stratum: <u>0</u>		<u>0</u> = Total Cover		

Remarks:
Vegetation is not hydrophytic - neither test met

IDAHO DEPARTMENT OF LANDS

MAY 13 2024

*Indicator suffix = National status or professional decision. Not defined by FWS.

Soil

Sampling Point: DP S 3

[illegible]

Hydrology

Wetland Hydrology Indicators:			Wetland Hydrology Indicators:						
Primary Indicators (minimum of one required; check all that apply)			Secondary Indicators (minimum of two required)						
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) <input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-neutral Test (D5) <input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) <input type="checkbox"/> Frost Heave Hummocks (D7)							
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>Field Observations:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Surface Water Present? Yes <input type="radio"/> No <input checked="" type="radio"/></p> <p>Water Table Present? Yes <input type="radio"/> No <input checked="" type="radio"/></p> <p>Saturation Present? (includes capillary fringe) Yes <input type="radio"/> No <input checked="" type="radio"/></p> </div> <div style="width: 45%;"> <p>Depth (inches): <input style="width: 80px;" type="text"/></p> <p>Depth (inches): <input style="width: 80px;" type="text"/></p> <p>Depth (inches): <input style="width: 80px;" type="text"/></p> </div> </div> <div style="width: 35%; text-align: right;"> <p>Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/></p> </div> </div> <p>Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspections), if available:</p> </div> <tr> <td colspan="5" style="padding: 10px;"> <p>Remarks:</p> <p>No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.</p> </td> </tr>					<p>Remarks:</p> <p>No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.</p>				
<p>Remarks:</p> <p>No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.</p>									

MAY 13 2024

PEND OREILLE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP03174000010A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 4
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.284870 Long.: -116.352831 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: PFO1C

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: Vegetation is hydrophytic (FAC-dominated). Hydric soils not observed. No hydrologic indicators. Plot is several feet higher than adjacent oxbow and not in a wetland. Located on bench above oxbow. Photo DP S 4.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
1. Populus balsamifera	35	<input checked="" type="checkbox"/> 100.0%	FAC	
2. _____	0	<input type="checkbox"/> 0.0%		
3. _____	0	<input type="checkbox"/> 0.0%		
Sapling/Shrub Stratum (Plot size: 20') 1. Populus balsamifera 10 <input checked="" type="checkbox"/> 55.6% FAC 2. Amelanchier alnifolia 5 <input checked="" type="checkbox"/> 27.8% FACU 3. Symphoricarpos albus 3 <input type="checkbox"/> 16.7% FACU 4. _____ <input type="checkbox"/> 0.0% 5. _____ <input type="checkbox"/> 0.0% 18 = Total Cover				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 105 x 3 = 315 FACU species 31 x 4 = 124 UPL species 2 x 5 = 10 Column Totals: 138 (A) 449 (B) Prevalence Index = B/A = 3.254
Herb Stratum (Plot size: 0.1 ac) 1. Elymus repens 50 <input checked="" type="checkbox"/> 58.8% FAC 2. Poa pratensis 10 <input type="checkbox"/> 11.8% FAC 3. Plantago lanceolata 10 <input type="checkbox"/> 11.8% FACU 4. Festuca pratensis 10 <input type="checkbox"/> 11.8% FACU 5. Achillea millefolium 3 <input type="checkbox"/> 3.5% FACU 6. Centaurea maculosa 2 <input type="checkbox"/> 2.4% UPL 7. _____ 0 <input type="checkbox"/> 0.0% 8. _____ 0 <input type="checkbox"/> 0.0% 9. _____ 0 <input type="checkbox"/> 0.0% 10. _____ 0 <input type="checkbox"/> 0.0% 11. _____ 0 <input type="checkbox"/> 0.0% 85 = Total Cover				
Woody Vine Stratum (Plot size: _____) 1. _____ 0 <input type="checkbox"/> 0.0% 2. _____ 0 <input type="checkbox"/> 0.0% 0 = Total Cover				
% Bare Ground in Herb Stratum: 0				

Remarks: IDAHO DEPARTMENT OF LANDS

Vegetation is hydrophytic - dominance test met (prevalence index is >3.0).

MAY 13 2024

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 4

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		
0-4	10YR	3/2	100%					Silt Loam	
4-16	10YR	3/3	100%					cobbly 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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

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

Depth (inches): _____

Water Table Present? Yes ☐ No ☒

Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☒

Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

IDAHO DEPARTMENT OF LANDS

US Army Corps of Engineers

MAY 13 2024

PEND OREILLE LAKE AREA

Western Mountains, Valleys, and Coast - Version 2.0

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

Project/Site: The Idaho Club NEW (RP03174000020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 5
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.283895 Long.: -116.352701 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: PFO1C

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. Located on bench above oxbow. Photo DP S 5.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:
1. <i>Abies grandis</i>	90	<input checked="" type="checkbox"/> 100.0%	FACU	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2.	0	<input type="checkbox"/> 0.0%		Total Number of Dominant Species Across All Strata: 3 (B)
3.	0	<input type="checkbox"/> 0.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
4.	0	<input type="checkbox"/> 0.0%		
90 = Total Cover				
Sapling/Shrub Stratum (Plot size: 20')				Prevalence Index worksheet:
1. <i>Rubus ursinus</i>	3	<input type="checkbox"/> 100.0%	FACU	Total % Cover of: Multiply by:
2.		<input type="checkbox"/> 0.0%		OBL species 0 x 1 = 0
3.		<input type="checkbox"/> 0.0%		FACW species 0 x 2 = 0
4.		<input type="checkbox"/> 0.0%		FAC species 70 x 3 = 210
5.	0	<input type="checkbox"/> 0.0%		FACU species 103 x 4 = 412
3 = Total Cover				UPL species 35 x 5 = 175
				Column Totals: 208 (A) 797 (B)
				Prevalence Index = B/A = 3.832
Herb Stratum (Plot size: 0.1 ac)				Hydrophytic Vegetation Indicators:
1. <i>Festuca rubra</i>	70	<input checked="" type="checkbox"/> 60.9%	FAC	<input type="checkbox"/> 1 - Rapid Test for Hydrologic Vegetation
2. <i>Lathyrus laetiflorus</i>	30	<input checked="" type="checkbox"/> 26.1%	UPL	<input type="checkbox"/> 2 - Dominance Test is > 50%
3. <i>Dactylis glomerata</i>	10	<input type="checkbox"/> 8.7%	FACU	<input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹
4. <i>Centaurea maculosa</i>	5	<input type="checkbox"/> 4.3%	UPL	<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5.		<input type="checkbox"/> 0.0%		<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹
6.		<input type="checkbox"/> 0.0%		<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
7.	0	<input type="checkbox"/> 0.0%		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8.	0	<input type="checkbox"/> 0.0%		
9.	0	<input type="checkbox"/> 0.0%		
10.	0	<input type="checkbox"/> 0.0%		
11.	0	<input type="checkbox"/> 0.0%		
115 = Total Cover				Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
Woody Vine Stratum (Plot size:)				
1.	0	<input type="checkbox"/> 0.0%		
2.	0	<input type="checkbox"/> 0.0%		
0 = Total Cover				
% Bare Ground in Herb Stratum: 0				

Remarks:
Vegetation is not hydrophytic - neither test met

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MAY 13 2024

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 5

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		
0-4	10YR	3/2	100%				Silt Loam	
4-16	10YR	3/3	100%				cobbly 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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

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

Depth (inches): _____

Water Table Present? Yes ☐ No ☒

Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☒

Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

IDAHO DEPARTMENT OF LANDS

MAY 13 2024

Western Mountains, Valleys, and Coast - Version 2.0

US Army Corps of Engineers

PEND OREILLE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP03174000020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 6
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.283294 Long.: -116.353074 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: PFO1C

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. Located on bench above oxbow. Photo DP S 6.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:
1. _____	_____	<input type="checkbox"/> 0.0%	_____	Number of Dominant Species That are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	0	<input type="checkbox"/> 0.0%	_____	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
3. _____	0	<input type="checkbox"/> 0.0%	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)
4. _____	0	<input type="checkbox"/> 0.0%	_____	
= Total Cover				
Sapling/Shrub Stratum (Plot size: 20')				Prevalence Index worksheet:
1. <u>Symphoricarpos albus</u>	35	<input checked="" type="checkbox"/> 50.0%	FACU	Total % Cover of: Multiply by:
2. <u>Crataegus douglasii</u>	15	<input checked="" type="checkbox"/> 21.4%	FAC	OBL species <u>0</u> x 1 = <u>0</u>
3. <u>Ulmus americana</u>	10	<input type="checkbox"/> 14.3%	FAC	FACW species <u>5</u> x 2 = <u>10</u>
4. <u>Amelanchier alnifolia</u>	5	<input type="checkbox"/> 7.1%	FACU	FAC species <u>35</u> x 3 = <u>105</u>
5. <u>Rubus ursinus</u>	5	<input type="checkbox"/> 7.1%	FACU	FACU species <u>89</u> x 4 = <u>356</u>
= Total Cover				UPL species <u>7</u> x 5 = <u>35</u>
Herb Stratum (Plot size: 0.1 ac)				Column Totals: <u>136</u> (A) <u>506</u> (B)
1. <u>Solidago canadensis</u>	35	<input checked="" type="checkbox"/> 53.0%	FACU	Prevalence Index = B/A = <u>3.721</u>
2. <u>Agrostis stolonifera</u>	10	<input type="checkbox"/> 15.2%	FAC	
3. <u>Centaurea maculosa</u>	5	<input type="checkbox"/> 7.6%	UPL	
4. <u>Hypericum perforatum</u>	5	<input type="checkbox"/> 7.6%	FACU	
5. <u>Phalaris arundinacea</u>	5	<input type="checkbox"/> 7.6%	FACW	
6. <u>Saponaria officinalis</u>	2	<input type="checkbox"/> 3.0%	UPL	
7. <u>Achillea millefolium</u>	2	<input type="checkbox"/> 3.0%	FACU	
8. <u>Verbascum thapsus</u>	2	<input type="checkbox"/> 3.0%	FACU	
9. _____	0	<input type="checkbox"/> 0.0%	_____	
10. _____	0	<input type="checkbox"/> 0.0%	_____	
11. _____	0	<input type="checkbox"/> 0.0%	_____	
= Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	0	<input type="checkbox"/> 0.0%	_____	
2. _____	0	<input type="checkbox"/> 0.0%	_____	
= Total Cover				
% Bare Ground in Herb Stratum: <u>0</u>				

Hydrophytic Vegetation Indicators:
☐ 1 - Rapid Test for Hydrologic Vegetation
☐ 2 - Dominance Test is > 50%
☐ 3 - Prevalence Index is ≤ 3.0 ¹
☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
☐ 5 - Wetland Non-Vascular Plants¹
☐ Problematic Hydrophytic Vegetation¹ (Explain)
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☒

Remarks:
Vegetation is not hydrophytic - neither test met

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MAY 13 2024

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 6

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

[illegible]

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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

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

Depth (inches):

Water Table Present? Yes ☐ No ☒

Depth (inches):

Saturation Present? Yes ☐ No ☒
(includes capillary fringe)

Depth (inches):

Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

IDAHO DEPARTMENT OF LANDS

US Army Corps of Engineers

MAY 13 2024

Western Mountains, Valleys, and Coast - Version 2.0

PEND OREILLE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP03174000020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 7
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.283757 Long.: -116.352784 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: PFO1C

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. Located on bench above oxbow. Photo DP S 7.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>40.0%</u> (A/B)
1. <u>Alnus incana</u>	10	<input checked="" type="checkbox"/> 100.0%	FACW	
2. _____	0	<input type="checkbox"/> 0.0%		
3. _____	0	<input type="checkbox"/> 0.0%		
4. _____	0	<input type="checkbox"/> 0.0%		
Sapling/Shrub Stratum (Plot size: 20')				
1. <u>Symphoricarpos albus</u>	50	<input checked="" type="checkbox"/> 50.0%	FACU	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>20</u> x 2 = <u>40</u> FAC species <u>40</u> x 3 = <u>120</u> FACU species <u>123</u> x 4 = <u>492</u> UPL species <u>27</u> x 5 = <u>135</u> Column Totals: <u>210</u> (A) <u>787</u> (B) Prevalence Index = B/A = <u>3.748</u>
2. <u>Rubus ursinus</u>	30	<input checked="" type="checkbox"/> 30.0%	FACU	
3. <u>Cornus alba</u>	10	<input type="checkbox"/> 10.0%	FACW	
4. <u>Rosa canina</u>	10	<input type="checkbox"/> 10.0%	UPL	
5. _____		<input type="checkbox"/> 0.0%		
Herb Stratum (Plot size: 0.1 ac)				
1. <u>Festuca rubra</u>	40	<input checked="" type="checkbox"/> 40.0%	FAC	
2. <u>Tanacetum vulgare</u>	25	<input checked="" type="checkbox"/> 25.0%	FACU	
3. <u>Solidago canadensis</u>	15	<input type="checkbox"/> 15.0%	FACU	
4. <u>Potentilla recta</u>	10	<input type="checkbox"/> 10.0%	UPL	
5. <u>Centaurea maculosa</u>	5	<input type="checkbox"/> 5.0%	UPL	
6. <u>Cirsium vulgare</u>	3	<input type="checkbox"/> 3.0%	FACU	
7. <u>Tragopogon dubius</u>	2	<input type="checkbox"/> 2.0%	UPL	
8. _____		<input type="checkbox"/> 0.0%		
9. _____	0	<input type="checkbox"/> 0.0%		
10. _____	0	<input type="checkbox"/> 0.0%		
11. _____	0	<input type="checkbox"/> 0.0%		
Woody Vine Stratum (Plot size: _____)				
1. _____	0	<input type="checkbox"/> 0.0%		
2. _____	0	<input type="checkbox"/> 0.0%		
% Bare Ground in Herb Stratum: 0				

Remarks:
Vegetation is not hydrophytic - neither test met. The hydrophytic alder and dogwood are located at the base of the slope at the oxbow - not rooted in plot but overhanging

*Indicator suffix = National status or professional decision assigned, because Regional status not defined by FWS.

Soil

Sampling Point: DP S 7

[illegible]

Hydrology

Wetland Hydrology Indicators		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one required; check all that apply)		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		
Field Observations: <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> Surface Water Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Water Table Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Saturation Present? (includes capillary fringe) Yes <input type="radio"/> No <input checked="" type="radio"/> </div> <div style="width: 30%;"> Depth (inches): <input style="width: 80px;" type="text"/> Depth (inches): <input style="width: 80px;" type="text"/> Depth (inches): <input style="width: 80px;" type="text"/> </div> <div style="width: 35%; text-align: right;"> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/> </div> </div>		
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspections), if available:		
Remarks: No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.		

MAY 13 2024

Western Mountains, Valleys, and Coast - Version 2.0

PEND OREILLE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP03174000020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 8
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.283497 Long.: -116.351953 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: PFO1C

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. Located on bench above oxbow. Photo DP S 8.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
1. <u>Alnus incana</u>	<u>15</u>	<input checked="" type="checkbox"/> 100.0%	FACW	
2. _____	<u>0</u>	<input type="checkbox"/> 0.0%		
3. _____	<u>0</u>	<input type="checkbox"/> 0.0%		
4. _____	<u>0</u>	<input type="checkbox"/> 0.0%		
Sapling/Shrub Stratum (Plot size: 20')		<u>15</u> = Total Cover		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>15</u> x 2 = <u>30</u> FAC species <u>18</u> x 3 = <u>54</u> FACU species <u>115</u> x 4 = <u>460</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>148</u> (A) <u>544</u> (B) Prevalence Index = B/A = <u>3.676</u>
1. <u>Populus balsamifera</u>	<u>15</u>	<input checked="" type="checkbox"/> 40.5%	FAC	
2. <u>Abies grandis</u>	<u>15</u>	<input checked="" type="checkbox"/> 40.5%	FACU	
3. <u>Symphoricarpos albus</u>	<u>5</u>	<input type="checkbox"/> 13.5%	FACU	
4. <u>Pseudotsuga menziesii</u>	<u>2</u>	<input type="checkbox"/> 5.4%	FACU	
5. _____		<input type="checkbox"/> 0.0%		
Herb Stratum (Plot size: 0.1 ac)		<u>37</u> = Total Cover		Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrologic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Tanacetum vulgare</u>	<u>90</u>	<input checked="" type="checkbox"/> 93.8%	FACU	
2. <u>Festuca rubra</u>	<u>3</u>	<input type="checkbox"/> 3.1%	FAC	
3. <u>Dactylis glomerata</u>	<u>3</u>	<input type="checkbox"/> 3.1%	FACU	
4. _____		<input type="checkbox"/> 0.0%		
5. _____		<input type="checkbox"/> 0.0%		
6. _____		<input type="checkbox"/> 0.0%		
7. _____		<input type="checkbox"/> 0.0%		
8. _____		<input type="checkbox"/> 0.0%		
9. _____	<u>0</u>	<input type="checkbox"/> 0.0%		
10. _____	<u>0</u>	<input type="checkbox"/> 0.0%		
11. _____	<u>0</u>	<input type="checkbox"/> 0.0%		
Woody Vine Stratum (Plot size: _____)		<u>96</u> = Total Cover		Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
1. _____	<u>0</u>	<input type="checkbox"/> 0.0%		
2. _____	<u>0</u>	<input type="checkbox"/> 0.0%		
3. _____	<u>0</u>	<input type="checkbox"/> 0.0%		
% Bare Ground in Herb Stratum: <u>0</u>				

Remarks: **IDAHO DEPARTMENT OF LANDS**
 Vegetation is not hydrophytic - neither test met. Exactly 50% of dominants are FAC or wetter - needs > 50%.

MAY 13 2024

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 8

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

[illegible]

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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

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

Depth (inches):

Water Table Present? Yes ☐ No ☒

Depth (inches):

Saturation Present? Yes ☐ No ☒
(includes capillary fringe)

Depth (inches):

Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

IDAHO DEPARTMENT OF LANDS

MAY 13 2024

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

Project/Site: The Idaho Club NEW (RP03174000030A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 9
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.282965 Long.: -116.352476 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: none

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. Located on bench about 10' higher than oxbow. Photo DP S 9.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Ref.Strat. Cover	Indicator Status	Dominance Test worksheet:	
1. <u>Acer grandidentatum</u>	70	<input checked="" type="checkbox"/> 100.0%	FACU	Number of Dominant Species That are OBL, FACW, or FAC:	<u>1</u> (A)
2. _____	0	<input type="checkbox"/> 0.0%		Total Number of Dominant Species Across All Strata:	<u>4</u> (B)
3. _____	0	<input type="checkbox"/> 0.0%		Percent of dominant Species That Are OBL, FACW, or FAC:	<u>25.0%</u> (A/B)
4. _____	0	<input type="checkbox"/> 0.0%			
			70 = Total Cover		
Sapling/Shrub Stratum (Plot size: 20')	Absolute % Cover	Dominant Species? Ref.Strat. Cover	Indicator Status	Prevalence Index worksheet:	
1. <u>Pseudotsuga menziesii</u>	5	<input checked="" type="checkbox"/> 41.7%	FACU	Total % Cover of:	Multiply by:
2. <u>Abies grandis</u>	3	<input checked="" type="checkbox"/> 25.0%	FACU	OBL species <u>0</u> x 1 = <u>0</u>	
3. <u>Amelanchier alnifolia</u>	2	<input type="checkbox"/> 16.7%	FACU	FACW species <u>0</u> x 2 = <u>0</u>	
4. _____	2	<input type="checkbox"/> 16.7%		FAC species <u>80</u> x 3 = <u>240</u>	
5. _____		<input type="checkbox"/> 0.0%		FACU species <u>90</u> x 4 = <u>360</u>	
			12 = Total Cover	UPL species <u>3</u> x 5 = <u>15</u>	
Herb Stratum (Plot size: 0.1 ac)	Absolute % Cover	Dominant Species? Ref.Strat. Cover	Indicator Status	Column Totals:	<u>173</u> (A) <u>615</u> (B)
1. <u>Festuca rubra</u>	80	<input checked="" type="checkbox"/> 86.0%	FAC	Prevalence Index = B/A = <u>3.555</u>	
2. <u>Tanacetum vulgare</u>	5	<input type="checkbox"/> 5.4%	FACU		
3. <u>Dactylis glomerata</u>	5	<input type="checkbox"/> 5.4%	FACU		
4. <u>Saponaria officinalis</u>	3	<input type="checkbox"/> 3.2%	UPL		
5. _____		<input type="checkbox"/> 0.0%			
6. _____		<input type="checkbox"/> 0.0%			
7. _____		<input type="checkbox"/> 0.0%			
8. _____		<input type="checkbox"/> 0.0%			
9. _____	0	<input type="checkbox"/> 0.0%			
10. _____	0	<input type="checkbox"/> 0.0%			
11. _____	0	<input type="checkbox"/> 0.0%			
			93 = Total Cover		
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species? Ref.Strat. Cover	Indicator Status		
1. _____	0	<input type="checkbox"/> 0.0%			
2. _____	0	<input type="checkbox"/> 0.0%			
			0 = Total Cover		
% Bare Ground in Herb Stratum: <u>0</u>					

Hydrophytic Vegetation Indicators:
☐ 1 - Rapid Test for Hydrologic Vegetation
☐ 2 - Dominance Test is > 50%
☐ 3 - Prevalence Index is ≤ 3.0¹
☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
☐ 5 - Wetland Non-Vascular Plants¹
☐ Problematic Hydrophytic Vegetation¹ (Explain)
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☒

Remarks:
Vegetation is not hydrophytic - neither test met.

IDAHO DEPARTMENT OF LANDS

MAY 13 2024

PEND OREILLE LAKE AREA

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Sampling Point: DP S 9

Hydrology

IDAHO DEPARTMENT OF LANDS

MAY 13 2024

PEND ORSHIRE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP03174000030A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 10
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.282854 Long.: -116.352052 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: PFO1C

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. Photo DP S 10.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>40.0%</u> (A/B)
1. <u>Thuja plicata</u>	15	<input checked="" type="checkbox"/> 50.0%	FAC	
2. <u>Abies grandis</u>	15	<input checked="" type="checkbox"/> 50.0%	FACU	
3. _____	0	<input type="checkbox"/> 0.0%		
4. _____	0	<input type="checkbox"/> 0.0%		
		30 = Total Cover		
Sapling/Shrub Stratum (Plot size: 20')				Prevalence Index worksheet: 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>53</u> x 3 = <u>159</u> FACU species <u>133</u> x 4 = <u>532</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>186</u> (A) <u>691</u> (B) Prevalence Index = B/A = <u>3.715</u>
1. <u>Symphoricarpos albus</u>	25	<input checked="" type="checkbox"/> 92.6%	FACU	
2. <u>Populus balsamifera</u>	2	<input type="checkbox"/> 7.4%	FAC	
3. _____		<input type="checkbox"/> 0.0%		
4. _____		<input type="checkbox"/> 0.0%		
5. _____		<input type="checkbox"/> 0.0%		
		27 = Total Cover		
Herb Stratum (Plot size: 0.1 ac)				Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrologic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
1. <u>Solidago canadensis</u>	80	<input checked="" type="checkbox"/> 62.0%	FACU	
2. <u>Festuca rubra</u>	30	<input checked="" type="checkbox"/> 23.3%	FAC	
3. <u>Festuca pratensis</u>	5	<input type="checkbox"/> 3.9%	FACU	
4. <u>Lactuca biennis</u>	3	<input type="checkbox"/> 2.3%	FAC	
5. <u>Maianthemum stellatum</u>	3	<input type="checkbox"/> 2.3%	FACU	
6. <u>Tanacetum vulgare</u>	3	<input type="checkbox"/> 2.3%	FACU	
7. <u>Dactylis glomerata</u>	3	<input type="checkbox"/> 2.3%	FACU	
8. <u>Verbascum thapsus</u>	2	<input type="checkbox"/> 1.6%	FACU	
9. _____	0	<input type="checkbox"/> 0.0%		
10. _____	0	<input type="checkbox"/> 0.0%		
11. _____	0	<input type="checkbox"/> 0.0%		
		129 = Total Cover		
Woody Vine Stratum (Plot size: _____)				
1. _____	0	<input type="checkbox"/> 0.0%		
2. _____	0	<input type="checkbox"/> 0.0%		
		0 = Total Cover		
% Bare Ground in Herb Stratum: <u>0</u>				

Remarks:
Vegetation is not hydrophytic - neither test met. MAY 13 2024

*Indicator suffix = National status or professional status assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 10

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		
0-4	10YR	3/2	100%				Silt Loam	
4-16	10YR	3/3	100%				cobbly 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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- | |
|---|
| <input type="checkbox"/> 2 cm Muck (A10) |
| <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

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

Secondary Indicators (minimum of two required)

- | |
|--|
| <input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| <input type="checkbox"/> Drainage Patterns (B10) |
| <input type="checkbox"/> Dry Season Water Table (C2) |
| <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Geomorphic Position (D2) |
| <input type="checkbox"/> Shallow Aquitard (D3) |
| <input type="checkbox"/> FAC-neutral Test (D5) |
| <input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) |
| <input type="checkbox"/> Frost Heave Hummocks (D7) |

Field Observations:

Surface Water Present? Yes ☐ No ☒Depth (inches): Water Table Present? Yes ☐ No ☒Depth (inches): Saturation Present?
(includes capillary fringe) Yes ☐ No ☒Depth (inches): Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

IDAHO DEPARTMENT OF LANDS

Western Mountains, Valleys, and Coast - Version 2.0

US Army Corps of Engineers

MAY 13 2024

PEND OREILLE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP03174000030A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 11
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.282931 Long.: -116.351114 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: PFO1C

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters met. Plot is not in a wetland. About 3' higher than North Branch. Photo DP S 11.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:	
1. <i>Pseudotsuga menziesii</i>	25	<input checked="" type="checkbox"/> 50.0%	FACU	Number of Dominant Species That are OBL, FACW, or FAC:	2 (A)
2. <i>Acer grandidentatum</i>	15	<input checked="" type="checkbox"/> 30.0%	FACU	Total Number of Dominant Species Across All Strata:	5 (B)
3. <i>Thuja plicata</i>	10	<input checked="" type="checkbox"/> 20.0%	FAC	Percent of dominant Species That Are OBL, FACW, or FAC:	40.0% (A/B)
4.	0	<input type="checkbox"/> 0.0%			
			50 = Total Cover		
Sapling/Shrub Stratum (Plot size: 20')				Prevalence Index worksheet:	
1. <i>Berberis repens</i>	10	<input checked="" type="checkbox"/> 100.0%	UPL	Total % Cover of:	Multiply by:
2.		<input type="checkbox"/> 0.0%		OBL species	0 x 1 = 0
3.		<input type="checkbox"/> 0.0%		FACW species	0 x 2 = 0
4.		<input type="checkbox"/> 0.0%		FAC species	70 x 3 = 210
5.		<input type="checkbox"/> 0.0%		FACU species	50 x 4 = 200
			10 = Total Cover	UPL species	15 x 5 = 75
Herb Stratum (Plot size: 0.1 ac)				Column Totals:	135 (A) 485 (B)
1. <i>Festuca rubra</i>	60	<input checked="" type="checkbox"/> 80.0%	FAC	Prevalence Index = B/A = 3.593	
2. <i>Dactylis glomerata</i>	10	<input type="checkbox"/> 13.3%	FACU		
3. <i>Tragopogon dubius</i>	5	<input type="checkbox"/> 6.7%	UPL		
4.		<input type="checkbox"/> 0.0%			
5.		<input type="checkbox"/> 0.0%			
6.		<input type="checkbox"/> 0.0%			
7.		<input type="checkbox"/> 0.0%			
8.		<input type="checkbox"/> 0.0%			
9.	0	<input type="checkbox"/> 0.0%			
10.	0	<input type="checkbox"/> 0.0%			
11.	0	<input type="checkbox"/> 0.0%			
			75 = Total Cover		
Woody Vine Stratum (Plot size:)				Hydrophytic Vegetation Indicators:	
1.	0	<input type="checkbox"/> 0.0%		<input type="checkbox"/> 1 - Rapid Test for Hydrologic Vegetation	
2.	0	<input type="checkbox"/> 0.0%		<input type="checkbox"/> 2 - Dominance Test is > 50%	
			0 = Total Cover	<input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 ¹	
% Bare Ground in Herb Stratum: 0				<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
				<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹	
				<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
				Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	

Remarks:
Vegetation is not hydrophytic - neither test met.

*Indicator suffix = National status or professional decision assigned because Regional Status not defined by FWS.

Soil

Sampling Point: DP S 11

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		
0-4	10YR	3/2	100%				Silt Loam	
4-16	10YR	3/3	100%				cobbly 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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

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

Depth (inches): _____

Water Table Present? Yes ☐ No ☒

Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☒

Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

IDAH0 DEPARTMENT OF LANDS

MAY 13 2024

PEND OREILLE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP0317400020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 12
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.282892 Long.: -116.351588 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: PFO1C

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: Hydrophytic vegetation is present (1 cedar tree over red fescue). Soils not showing hydric indicators (cobbly); no evidence of hydrology or ponding. Plot is not in a wetland. About 3' higher than North Branch. Photo DP S 12.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
1. <u>Thuja plicata</u>	<u>50</u>	<input checked="" type="checkbox"/> 83.3%	FAC	
2. <u>Acer grandidentatum</u>	<u>10</u>	<input type="checkbox"/> 16.7%	FACU	
3. _____	_____	<input type="checkbox"/> 0.0%	_____	
4. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
Sapling/Shrub Stratum (Plot size: 20')				
1. <u>Rubus parviflorus</u>	<u>30</u>	<input checked="" type="checkbox"/> 90.9%	FACU	Prevalence Index worksheet: 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>113</u> x 3 = <u>339</u> FACU species <u>53</u> x 4 = <u>212</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>166</u> (A) <u>551</u> (B) Prevalence Index = B/A = <u>3.319</u>
2. <u>Abies grandis</u>	<u>3</u>	<input type="checkbox"/> 9.1%	FACU	
3. _____	_____	<input type="checkbox"/> 0.0%	_____	
4. _____	_____	<input type="checkbox"/> 0.0%	_____	
5. _____	_____	<input type="checkbox"/> 0.0%	_____	
Herb Stratum (Plot size: 0.1 ac)				
1. <u>Festuca rubra</u>	<u>60</u>	<input checked="" type="checkbox"/> 82.2%	FAC	
2. <u>Dactylis glomerata</u>	<u>10</u>	<input type="checkbox"/> 13.7%	FACU	
3. <u>Lactuca biennis</u>	<u>3</u>	<input type="checkbox"/> 4.1%	FAC	
4. _____	_____	<input type="checkbox"/> 0.0%	_____	
5. _____	_____	<input type="checkbox"/> 0.0%	_____	
6. _____	_____	<input type="checkbox"/> 0.0%	_____	
7. _____	_____	<input type="checkbox"/> 0.0%	_____	
8. _____	_____	<input type="checkbox"/> 0.0%	_____	
9. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
10. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
11. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
Woody Vine Stratum (Plot size: _____)				
1. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
2. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
% Bare Ground in Herb Stratum: <u>0</u>				

Hydrophytic Vegetation Indicators:
☐ 1 - Rapid Test for Hydrologic Vegetation
☒ 2 - Dominance Test is > 50%
☐ 3 - Prevalence Index is ≤ 3.0¹
☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
☐ 5 - Wetland Non-Vascular Plants¹
☐ Problematic Hydrophytic Vegetation¹ (Explain)
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks:
 Vegetation is hydrophytic - dominance test met, though prevalence index is > 3.0.
 MAY 13 2024

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 12

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		
0-4	10YR	3/2	100%				Silt Loam	
4-16	10YR	3/3	100%				cobbly 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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

- | | |
|--|---|
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Salt Crust (B11) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Aquatic Invertebrates (B13) |
| <input type="checkbox"/> Water Marks (B1) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) |
| <input type="checkbox"/> Sediment Deposits (B2) | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) |
| <input type="checkbox"/> Drift deposits (B3) | <input type="checkbox"/> Presence of Reduced Iron (C4) |
| <input type="checkbox"/> Algal Mat or Crust (B4) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) |
| <input type="checkbox"/> Iron Deposits (B5) | <input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A) |
| <input type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | |
| <input type="checkbox"/> 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 ☒Depth (inches): Water Table Present? Yes ☐ No ☒Depth (inches): Saturation Present?
(includes capillary fringe) Yes ☐ No ☒Depth (inches): Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

IDAHO DEPARTMENT OF LANDS

MAY 13 2024

Western Mountains, Valleys, and Coast - Version 2.0

US Army Corps of Engineers

PEND OREILLE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP03174000020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 13
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.283005 Long.: -116.354046 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: "water"

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters observed. Plot is not in a wetland. About 10' higher than lake on top of peninsula. Photo DP S 13.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:
1. Populus balsamifera	30	<input checked="" type="checkbox"/> 100.0%	FAC	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
2.		<input type="checkbox"/> 0.0%		Total Number of Dominant Species Across All Strata: 4 (B)
3.		<input type="checkbox"/> 0.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
4.	0	<input type="checkbox"/> 0.0%		
30 = Total Cover				
Sapling/Shrub Stratum (Plot size: 20')				Prevalence Index worksheet:
1. Rosa canina	10	<input checked="" type="checkbox"/> 50.0%	UPL	Total % Cover of: Multiply by:
2. Cornus alba	10	<input checked="" type="checkbox"/> 50.0%	FACW	OBL species 0 x 1 = 0
3.		<input type="checkbox"/> 0.0%		FACW species 13 x 2 = 26
4.		<input type="checkbox"/> 0.0%		FAC species 35 x 3 = 105
5.		<input type="checkbox"/> 0.0%		FACU species 65 x 4 = 260
20 = Total Cover				UPL species 20 x 5 = 100
Herb Stratum (Plot size: 0.1 ac)				Column Totals: 133 (A) 491 (B)
1. Tanacetum vulgare	60	<input checked="" type="checkbox"/> 72.3%	FACU	Prevalence Index = B/A = 3.692
2. Centaurea maculosa	10	<input type="checkbox"/> 12.0%	UPL	
3. Festuca rubra	5	<input type="checkbox"/> 6.0%	FAC	
4. Hypericum perforatum	5	<input type="checkbox"/> 6.0%	FACU	
5. Phalaris arundinacea	3	<input type="checkbox"/> 3.6%	FACW	
6.		<input type="checkbox"/> 0.0%		
7.		<input type="checkbox"/> 0.0%		
8.		<input type="checkbox"/> 0.0%		
9.	0	<input type="checkbox"/> 0.0%		
10.	0	<input type="checkbox"/> 0.0%		
11.	0	<input type="checkbox"/> 0.0%		
83 = Total Cover				
Woody Vine Stratum (Plot size:)				
1.	0	<input type="checkbox"/> 0.0%		
2.	0	<input type="checkbox"/> 0.0%		
0 = Total Cover				
% Bare Ground in Herb Stratum: 0				
Remarks: Vegetation is not hydrophytic - neither test met.				Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 13

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		
0-4	10YR	3/2	100%				Silt Loam	
4-16	10YR	3/3	100%				cobbly 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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

- | | |
|--|---|
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Salt Crust (B11) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Aquatic Invertebrates (B13) |
| <input type="checkbox"/> Water Marks (B1) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) |
| <input type="checkbox"/> Sediment Deposits (B2) | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) |
| <input type="checkbox"/> Drift deposits (B3) | <input type="checkbox"/> Presence of Reduced Iron (C4) |
| <input type="checkbox"/> Algal Mat or Crust (B4) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) |
| <input type="checkbox"/> Iron Deposits (B5) | <input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A) |
| <input type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | |
| <input type="checkbox"/> 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 ☒Depth (inches): Water Table Present? Yes ☐ No ☒Depth (inches): Saturation Present? (includes capillary fringe) Yes ☐ No ☒Depth (inches): Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

IDAHO DEPARTMENT OF LANDS

MAY 13 2024

Western Mountains, Valleys, and Coast - Version 2.0

PEND OREILLE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP03174000020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 14
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.283460 Long.: -116.354016 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: none

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: Vegetation is hydrophytic though some hydrophytes are at the base of the slope to the lake (overhanging). No hydric soils or hydrologic indicators. Plot is not in a wetland. About 6'+ higher than lake (dry now) on top of peninsula (narrow spit of land). Photo DP S 14.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:	
1. <i>Populus balsamifera</i>	75	<input checked="" type="checkbox"/> 100.0%	FAC	Number of Dominant Species That are OBL, FACW, or FAC:	4 (A)
2. _____	_____	<input type="checkbox"/> 0.0%	_____	Total Number of Dominant Species Across All Strata:	6 (B)
3. _____	_____	<input type="checkbox"/> 0.0%	_____	Percent of dominant Species That Are OBL, FACW, or FAC:	66.7% (A/B)
4. _____	0	<input type="checkbox"/> 0.0%	_____		
			75 = Total Cover		
Sapling/Shrub Stratum (Plot size: 20')	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Prevalence Index worksheet:	
1. <i>Symphoricarpos albus</i>	5	<input checked="" type="checkbox"/> 35.7%	FACU	Total % Cover of:	Multiply by:
2. <i>Cornus alba</i>	3	<input checked="" type="checkbox"/> 21.4%	FACW	OBL species	0 x 1 = 0
3. <i>Populus balsamifera</i>	3	<input checked="" type="checkbox"/> 21.4%	FAC	FACW species	3 x 2 = 6
4. <i>Amelanchier alnifolia</i>	3	<input checked="" type="checkbox"/> 21.4%	FACU	FAC species	123 x 3 = 369
5. _____	_____	<input type="checkbox"/> 0.0%	_____	FACU species	13 x 4 = 52
			14 = Total Cover	UPL species	5 x 5 = 25
1. <i>Agrostis stolonifera</i>	35	<input checked="" type="checkbox"/> 63.6%	FAC	Column Totals:	144 (A) 452 (B)
2. <i>Elymus repens</i>	10	<input type="checkbox"/> 18.2%	FAC	Prevalence Index = B/A = 3.139	
3. <i>Centaurea maculosa</i>	5	<input type="checkbox"/> 9.1%	UPL		
4. <i>Hypericum perforatum</i>	3	<input type="checkbox"/> 5.5%	FACU		
5. <i>Verbascum thapsus</i>	2	<input type="checkbox"/> 3.6%	FACU		
6. _____	_____	<input type="checkbox"/> 0.0%	_____		
7. _____	_____	<input type="checkbox"/> 0.0%	_____		
8. _____	_____	<input type="checkbox"/> 0.0%	_____		
9. _____	0	<input type="checkbox"/> 0.0%	_____		
10. _____	0	<input type="checkbox"/> 0.0%	_____		
11. _____	0	<input type="checkbox"/> 0.0%	_____		
			55 = Total Cover		
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status		
1. _____	0	<input type="checkbox"/> 0.0%	_____		
2. _____	0	<input type="checkbox"/> 0.0%	_____		
			0 = Total Cover		
% Bare Ground in Herb Stratum: 0					

Remarks:
 Vegetation is hydrophytic - dominance test met.

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*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 14

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		
0-4	10YR	3/2	100%				Silt Loam	
4-16	10YR	3/3	100%				cobbly 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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

- | | |
|--|---|
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Salt Crust (B11) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Aquatic Invertebrates (B13) |
| <input type="checkbox"/> Water Marks (B1) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) |
| <input type="checkbox"/> Sediment Deposits (B2) | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) |
| <input type="checkbox"/> Drift deposits (B3) | <input type="checkbox"/> Presence of Reduced Iron (C4) |
| <input type="checkbox"/> Algal Mat or Crust (B4) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) |
| <input type="checkbox"/> Iron Deposits (B5) | <input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A) |
| <input type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | |
| <input type="checkbox"/> 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 ☒Depth (inches): Water Table Present? Yes ☐ No ☒Depth (inches): Saturation Present? Yes ☐ No ☒
(includes capillary fringe)Depth (inches): Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

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MAY 13 2024

Western Mountains, Valleys, and Coast - Version 2.0

PEND OREILLE LAKE AREA

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

Project/Site: The Idaho Club NEW (RP03174000020A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 15
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.283113 Long.: -116.353821 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: none

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: None of required parameters observed. Plot is not in a wetland. Photo DP S 15.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel. Strat. Cover	Indicator Status	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>3</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)
1. <u>Alnus incana</u>	<u>10</u>	<input checked="" type="checkbox"/> 100.0%	<u>FACW</u>	
2. _____	_____	<input type="checkbox"/> 0.0%	_____	
3. _____	_____	<input type="checkbox"/> 0.0%	_____	
4. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
			<u>10</u> = Total Cover	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>13</u> x 2 = <u>26</u> FAC species <u>3</u> x 3 = <u>9</u> FACU species <u>100</u> x 4 = <u>400</u> UPL species <u>5</u> x 5 = <u>25</u> Column Totals: <u>121</u> (A) <u>460</u> (B) Prevalence Index = B/A = <u>3.802</u>
Sapling/Shrub Stratum (Plot size: 20')				
1. <u>Symphoricarpos albus</u>	<u>20</u>	<input checked="" type="checkbox"/> 64.5%	<u>FACU</u>	
2. <u>Rosa canina</u>	<u>5</u>	<input type="checkbox"/> 16.1%	<u>UPL</u>	
3. <u>Populus balsamifera</u>	<u>3</u>	<input type="checkbox"/> 9.7%	<u>FAC</u>	
4. <u>Cornus alba</u>	<u>3</u>	<input type="checkbox"/> 9.7%	<u>FACW</u>	
5. _____	_____	<input type="checkbox"/> 0.0%	_____	
			<u>31</u> = Total Cover	
Herb Stratum (Plot size: 0.1 ac)				
1. <u>Tanacetum vulgare</u>	<u>80</u>	<input checked="" type="checkbox"/> 100.0%	<u>FACU</u>	
2. _____	_____	<input type="checkbox"/> 0.0%	_____	
3. _____	_____	<input type="checkbox"/> 0.0%	_____	
4. _____	_____	<input type="checkbox"/> 0.0%	_____	
5. _____	_____	<input type="checkbox"/> 0.0%	_____	
6. _____	_____	<input type="checkbox"/> 0.0%	_____	
7. _____	_____	<input type="checkbox"/> 0.0%	_____	
8. _____	_____	<input type="checkbox"/> 0.0%	_____	
9. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
10. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
11. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
			<u>80</u> = Total Cover	
Woody Vine Stratum (Plot size: _____)				
1. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
2. _____	<u>0</u>	<input type="checkbox"/> 0.0%	_____	
			<u>0</u> = Total Cover	
% Bare Ground in Herb Stratum: <u>0</u>				

Remarks:
Vegetation is not hydrophytic - neither test met. Alder and dogwood are rooted at base of slope to oxbow.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: DP S 15

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		
0-4	10YR	3/2	100%				Silt Loam	
4-16	10YR	3/3	100%				cobbly 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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

- | | |
|--|---|
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Salt Crust (B11) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Aquatic Invertebrates (B13) |
| <input type="checkbox"/> Water Marks (B1) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) |
| <input type="checkbox"/> Sediment Deposits (B2) | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) |
| <input type="checkbox"/> Drift deposits (B3) | <input type="checkbox"/> Presence of Reduced Iron (C4) |
| <input type="checkbox"/> Algal Mat or Crust (B4) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) |
| <input type="checkbox"/> Iron Deposits (B5) | <input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A) |
| <input type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | |
| <input type="checkbox"/> 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 ☒Depth (inches): Water Table Present? Yes ☐ No ☒Depth (inches): Saturation Present? (includes capillary fringe) Yes ☐ No ☒Depth (inches): Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

IDAHO DEPARTMENT OF LANDS

US Army Corps of Engineers

MAY 13 2024

PEND OREILLE LAKE AREA

Western Mountains, Valleys, and Coast - Version 2.0

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

Project/Site: The Idaho Club NEW (RP03174000010A) - Trestle Creek City/County: Bonner Sampling Date: 27-Oct-22
 Applicant/Owner: The Idaho Club State: ID Sampling Point: DP S 16
 Investigator(s): Tom Duebendorfer, PWS Section, Township, Range: S 16 T 57N R 1E
 Landform (hillslope, terrace, etc.): Lowland Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 °
 Subregion (LRR): LRR E Lat.: 48.284819 Long.: -116.352380 Datum: WGS 84
 Soil Map Unit Name: Bonner silt loam NWI classification: none

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: Vegetation is hydrophytic (FAC-dominated; cottonwood over red fescue). No indicators of hydric soils or wetland hydrology. Plot is not in a wetland. Photo DP S 16.	

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species? Rel. Strat. Cover	Indicator Status	Dominance Test worksheet:
1. <u>Populus balsamifera</u>	40	<input checked="" type="checkbox"/> 100.0%	FAC	Number of Dominant Species That are OBL, FACW, or FAC: <u>3</u> (A)
2. _____		<input type="checkbox"/> 0.0%		Total Number of Dominant Species Across All Strata: <u>5</u> (B)
3. _____		<input type="checkbox"/> 0.0%		Percent of dominant Species That are OBL, FACW, or FAC: <u>60.0%</u> (A/B)
4. _____	0	<input type="checkbox"/> 0.0%		
	40	= Total Cover		
Sapling/Shrub Stratum (Plot size: 20')				Prevalence Index worksheet:
1. <u>Populus balsamifera</u>	10	<input checked="" type="checkbox"/> 76.9%	FAC	Total % Cover of: Multiply by:
2. <u>Amelanchier alnifolia</u>	3	<input checked="" type="checkbox"/> 23.1%	FACU	OBL species <u>0</u> x 1 = <u>0</u>
3. _____		<input type="checkbox"/> 0.0%		FACW species <u>3</u> x 2 = <u>6</u>
4. _____		<input type="checkbox"/> 0.0%		FAC species <u>105</u> x 3 = <u>315</u>
5. _____		<input type="checkbox"/> 0.0%		FACU species <u>68</u> x 4 = <u>272</u>
	13	= Total Cover		UPL species <u>1</u> x 5 = <u>5</u>
Herb Stratum (Plot size: 0.1 ac)				Column Totals: <u>177</u> (A) <u>598</u> (B)
1. <u>Tanacetum vulgare</u>	65	<input checked="" type="checkbox"/> 52.4%	FACU	Prevalence Index = B/A = <u>3.379</u>
2. <u>Festuca rubra</u>	55	<input checked="" type="checkbox"/> 44.4%	FAC	
3. <u>Phalaris arundinacea</u>	3	<input type="checkbox"/> 2.4%	FACW	
4. <u>Veronica persica</u>	1	<input type="checkbox"/> 0.8%	UPL	
5. _____		<input type="checkbox"/> 0.0%		
6. _____		<input type="checkbox"/> 0.0%		
7. _____		<input type="checkbox"/> 0.0%		
8. _____		<input type="checkbox"/> 0.0%		
9. _____	0	<input type="checkbox"/> 0.0%		
10. _____	0	<input type="checkbox"/> 0.0%		
11. _____	0	<input type="checkbox"/> 0.0%		
	124	= Total Cover		
Woody Vine Stratum (Plot size: _____)				
1. _____	0	<input type="checkbox"/> 0.0%		
2. _____	0	<input type="checkbox"/> 0.0%		
		= Total Cover		
% Bare Ground in Herb Stratum: <u>0</u>				

Hydrophytic Vegetation Indicators:
☐ 1 - Rapid Test for Hydrologic Vegetation
☒ 2 - Dominance Test is > 50%
☐ 3 - Prevalence Index is ≤ 3.0¹
☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
☐ 5 - Wetland Non-Vascular Plants¹
☐ Problematic Hydrophytic Vegetation¹ (Explain)
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks:
Vegetation is hydrophytic - dominance test met.

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MAY 13 2024

PEND OREILLE LAKE AREA

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

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		
0-4	10YR	3/2	100%				Silt Loam	
4-16	10YR	3/3	100%				cobbly 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.)

- | | |
|--|--|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except in MLRA 1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) |
| <input type="checkbox"/> Sandy Muck Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox depressions (F8) |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10)
☐ Red Parent Material (TF2)
☐ 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 ☒

Remarks:

no hydric indicators

Hydrology

Wetland Hydrology Indicators:

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

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

Depth (inches):

Water Table Present? Yes ☐ No ☒

Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒

Depth (inches):

Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrologic indicators - plot located about 6' higher than adjacent oxbow. No evidence of ponding.

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Photo DP S1: View north toward Data Plot 1. Dominated mostly by cottonwood (both mature and saplings) with red fescue. Considerable tansy, knapweed, bluegrass, brome, and thimbleberry. Vegetation is not hydrophytic (40% FAC); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot about 8' higher than adjacent oxbow. Plot not in wetland.



Photo DP S2: View east toward Data Plot 2. Plot is located under large Douglas fir, with orchardgrass, knapweed, and red fescue in groundlayer. Vegetation is not hydrophytic (0% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot not in wetland.



Photo DP S3: View north toward Data Plot 3. Plot is located under cottonwood with red fescue, Douglas fir and grandfir saplings, with some snowberry. Vegetation is not hydrophytic (40% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot not in wetland.



Photo DP S4: View south toward Data Plot 4. Plot is located under cottonwood (both mature and saplings) with quackgrass, serviceberry, bluegrass, plantain, and meadow fescue. Vegetation is hydrophytic (75% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot located much higher than oxbow. Plot not in wetland.

PEND OREILLE LAKE AREA



Photo DP S5: View east toward Data Plot 5. Dominated mostly by one large grandfir with red fescue. Considerable sweet pea and orchardgrass. Vegetation is not hydrophytic (33% FAC); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot about 6' higher than adjacent oxbow. Plot not in wetland.



Photo DP S6: View south toward Data Plot 6. Plot is dominated by snowberry and goldenrod. Vegetation is not hydrophytic (33% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot not in wetland.



Photo DP S7: View west toward Data Plot 7. Plot contains alder (rooted at base of oxbow, overhanging plot), snowberry and trailing blackberry. Vegetation is not hydrophytic (40% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot about 6' higher than adjacent oxbow. Plot not in wetland.



Photo DP S8: View north toward Data Plot 8. Plot contains alder and dogwood (rooted at base of oxbow, overhanging plot), some cottonwood saplings, large amounts of tansy. Vegetation is not hydrophytic (50% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot located much higher than oxbow. Plot not in wetland.

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PEND OREILLE LAKE AREA

Photosheet 2
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Photo DP S9: View north toward Data Plot 9. Dominated mostly by one large ornamental maple with red fescue, over Douglas fir and grandfir saplings and tansy. Vegetation is not hydrophytic (25% FAC); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot about 10' higher than adjacent oxbow on bench. Plot not in wetland.



Photo DP S10: View south toward Data Plot 10. Plot is dominated by cedar and grandfir, over snowberry and goldenrod. Vegetation is not hydrophytic (40% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot not in wetland.



Photo DP S11: View south toward Data Plot 11. Plot contains Douglas fir and ornamental maple, over Oregon grape and red fescue. Vegetation is not hydrophytic (40% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot about 3' higher than North Branch Trestle Creek (dry now). Plot not in wetland.



Photo DP S12: View east toward Data Plot 12. Plot contains one large cedar with ornamental maple, over red fescue and thimbleberry. Vegetation is hydrophytic (67% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot about 3' higher than North Branch Trestle Creek (dry now). Plot not in wetland.

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PEND OREILLE LAKE AREA

Photosheet 3
Trestle Creek Project
NEW DATA PLOTS
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Photo DP S13: View southwest toward Data Plot 13. Dominated by cottonwood, dogwood, and rose over considerable amount of tansy. Vegetation is not hydrophytic (50% FAC); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot about 10' higher than adjacent oxbow on a peninsula. Plot not in wetland.



Photo DP S14: View north toward Data Plot 14. Plot is dominated by cottonwood and bentgrass over snowberry and quackgrass. Vegetation is hydrophytic (67% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot about 6' higher than adjacent lake area (dry now). Plot not in wetland.



Photo DP S15: View northeast toward Data Plot 15. Plot contains alder (rooted at base of slope), snowberry, and considerable amounts of tansy. Vegetation is not hydrophytic (33% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot about 10' higher than oxbow. Plot not in wetland.



Photo DP S16: View south toward Data Plot 16. Plot contains cottonwood (both mature and saplings) over tansy and red fescue. Vegetation is hydrophytic (60% hydrophytes); soils are cobbly loams below shallow silt loam (not hydric); no hydrologic indicators. Plot not in wetland.

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PEND OREILLE LAKE AREA

Photosheet 4
Trestle Creek Project
NEW DATA PLOTS
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New Ph 2: View east into North Branch Trestle Creek. Dry in October.



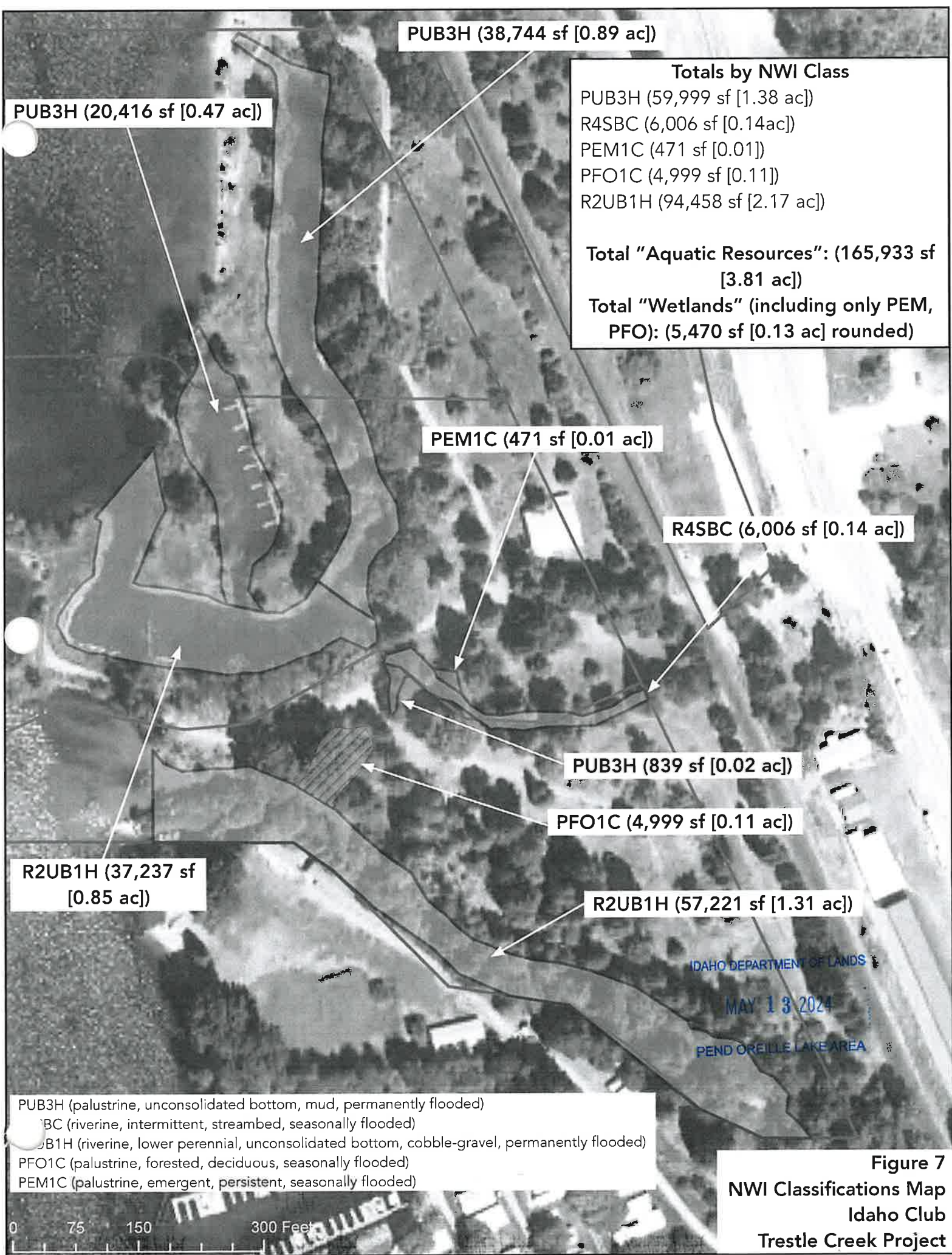
New Ph 3: View southeast into Main Branch Trestle Creek.

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PEND OREILLE LAKE AREA

Photosheet
Photos of North Branch and Main Branch Trestle Creek
10/27/22



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PEND OREILLE LAKE AREA